Appendix G

Air Quality Impact Assessment

Air Quality Impact Assessment Report

Highway 401 Improvements from 1 km East of Highway 16 to 3.3 km West of Maitland Road

Ontario Ministry of Transportation

60638228

June, 2024

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Revision History

Rev #	Revision Date	Revised By:	Revision Description
1	February 13th, 2024	AECOM	Draft Air Quality Impact Assessment Report
2	May 23rd, 2024	AECOM	To address MTO's comments
3	June 3rd, 2024	AECOM	Final Air Quality Impact Assessment Report

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Highway 401 Improvements from 1 km East of Highway 16 to 3.3 km West of Maitland Road

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Executive Summary

The Ontario Ministry of Transportation (MTO) has retained AECOM Canada Ltd. (AECOM) to undertake a Planning, Preliminary Design, and Class Environmental Assessment (Class EA) Study for Highway 401 from 1 km east of Highway 16 to 3.3 km west of Maitland Road for a total length of approximately 20.75 km, located within the Township of Augusta, Town of Prescott, and the Township of Edwardsburgh Cardinal ('the Project'). The Project will look to address current and future transportation needs by developing a plan for the rehabilitation and/or replacement of 14 structures, determining the long-term plans for the Maitland Road, Edward Street and Highway 16 interchanges, and will establish the future footprint for interim six lanes and ultimate eight lanes of Highway 401.

This Project will follow the approved planning process for a Group 'B' project under the MTO Class Environmental Assessment for Provincial Transportation Facilities (amended 2000) (Class EA) and will include the preparation of an updated Preliminary Design, undertake an updated EA, and complete a Transportation Environmental Study Report (TESR).

The Study Area extends from Highway 401 West, travelling east to Highway 16 between Maitland Rd and Edward St North within the Township of Edwardsburg Cardinal. This Study Area includes a 500-metre buffer to be able to capture air quality impacts and effects from traffic within in the Township of Augusta, Town of Prescott, and the Township of Edwardsburgh Cardinal and the surrounding area. The 500-metre buffer is recommended through the MTO's Environmental Guide for Assessing and Mitigating the Air Quality Impacts and Greenhouse Gas Emissions of Provincial Transportation Projects (2020) ("MTO Air Quality Guideline"). Within this Study Area, a total of seventy four (74) sensitive receptors and two (2) critical receptors were identified.

Based on recommendations within the MTO Air Quality Guideline, the air quality impact assessment included the following contaminants of concern from vehicle emissions:

1. Nitrogen dioxide, NO_2 (assessed over 1-hour, 24-hour, and annual averaging periods)
2. Carbon monoxide, CO (assessed over 1-hour and 8-hour averaging periods)
3. Sulphur Dioxide, SO_2 (assessed over 10-minute, 1-hour, and annual averaging periods)
4. Particulate matter (<10 microns), PM_{10} (assessed over 24-hour period)
5. Particulate matter (<2.5 microns), $PM_{2.5}$ (assessed over 24-hour and annual averaging periods)
6. Acetaldehyde (assessed over ½ hour and 24-hour averaging periods)
7. Acrolein (assessed over 1-hour and 24-hour averaging periods)
8. Benzene (assessed over 24-hour and annual averaging periods)

9. Benzo(a) pyrene, B(a)P (assessed over 24-hour and annual averaging periods)
10. Formaldehyde (assessed over 24-hour averaging period); and
11. 1,3-Butadiene (assessed over 24-hour and annual averaging periods).

These contaminants of concern are considered Criteria Air Contaminants (CAC), which have the corresponding Ambient Air Quality Criteria (AAQC) and Federal Canadian Ambient Air Quality Standards (CAAQS).

The results of the Air Quality Impact Assessment show that the addition of the proposed infrastructure will, overall, have a lower impact on the sensitive and critical receptors within the Study Area in comparison to Existing Conditions for most contaminants, and a higher impact in comparison to Future No-Build Conditions, depending on where a receptor is located along the route. This impact is due primarily to the traffic increase within the Study Area with a 35% increase in Highway 401 West between Sharpe's Ln and County Rd 15, a 16% increase in Highway 401 between Edward St N and Highway 16, and a slight decrease in traffic volumes for a few of the on-ramps, and off-ramps between Future No-Build and Future Build conditions. Highway 401 mainly shows an overall increase in traffic volume between Future No-Build and Future Build conditions. Most of the impacts on the sensitive and critical receptors are expected to be concentrated around Highway 401 between County Rd 15 and Edward Street North.

There are two (2) CACs with modelled cumulative concentrations above the respective provincial and/or federal air quality criteria, specifically the 1-hour and annual averaging period of Nitrogen Dioxide (NO_2), and the 24-hour and annual averaging periods of Benzo(a)pyrene.

The exceedances of NO_2, and Benzo(a)pyrene are due predominately to elevated existing ambient air quality concentrations, which already exceed the provincial and/or federal air quality criteria prior to including the project contributions:

- NO_2 is at 232% (CAAQS 2025) and 162% (CAAQS 2020) of the CAAQS limit for the 1-hr averaging period and 125% for the annual averaging period.
- Benzo(a)pyrene is at 310% of the AAQC limit for the 24-hr period and at 667% for the annual averaging period.

However, even with these exceedances, when compared to Existing Conditions, the concentrations for these contaminants decrease in the Future Build Conditions.

Table ES-1 summarizes the modelled air quality impacts which are expected to result from the implementation of this project.

Table ES-1: Summary of Potential Air Quality Impacts and Mitigation Options

Air Quality Condition	Potential Effect	Mitigation Measure(s)	Monitoring
Operating Conditions: Increased Traffic Vehicular Emissions	• Increased NO_2, CO, SO_2, particulate matter, and VOC impact levels at nearby receptors.	• Implementation of vegetation (such as plantings through screening and/or barriers) within the Study Area to decrease ground level dispersion of particulates. • Carpool lots may also be included for the project which can facilitate ridesharing, transit and active transportation uses. • Continued promotion of increased electric vehicle purchase and infrastructure within Ontario.	• No other specific monitoring implementation recommended at this time.
Construction Conditions: Vehicle Operation and Surface Particulate Disruption	Construction related air pollution include diesel combustion and particulate emissions. Odour and visible dust may cause public annoyance at existing sensitive receptors within the Study Area during construction phase.	• Prior to commencement of construction, a detailed Construction Air Quality Management Plan (AQMP) will be developed. The AQMP will: ○ Define the project's air quality impact zone and identify all sensitive and critical receptors within this area. ○ Assess the requirement for continuous monitoring during project construction. ○ Provide mitigation measures and identify requirements for implementation of these measures. Examples of proposed mitigation measures are provided in **Section 6.4**. ○ Include explicit commitment to implementation of applicable best practices identified Environment *Canada's Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities*	• The Air Quality Management Plan will provide details on specific monitoring requirements during construction. The following should be considered during the development of the plan: ○ Regular reporting on any continuous monitoring reports, to be provided to the Ministry of the Environment Conservation and Parks (MECP) for their records. ○ The construction related air contaminants of primary concern is in the form of particulate matter, with the fractions of $PM_{2.5}$ and PM_{10} - particulate matter of less than 2.5 and 10 micron in diameter, respectively. Other contaminants of concern include crystalline silica and oxides of nitrogen. ○ Application of threshold "Action Level" triggers for implementation of specific and increasing intensity mitigation activities. ○ If continuous monitoring is deemed necessary, on-site meteorological

Air Quality Condition	Potential Effect	Mitigation Measure(s)	Monitoring
		(Cheminfo Services Inc., 2005) and the MECP' Technical Bulletin *Management Approaches for Industrial Fugitive Dust Sources*. ○ If applicable, include a commitment to follow guidelines on hot mix asphalt outlined in the Ontario Hot Mix Producers Association's Environmental Practices Guide: Ontario Hot Mix Asphalt Plants, Fifth Edition (Ontario Hot Mix Producers Association, 2015) ○ Develop a Communications Protocol and a Complaints Protocol in accordance with the Project Agreement.	monitoring should be performed in conjunction with real-time continuous monitoring representative of receptor impacts. ○ If continuous monitoring is deemed necessary, monitors both upwind and downwind of construction activities, where possible, should be placed. ○ If continuous monitoring is deemed necessary, baseline monitoring should be performed for a minimum of one week prior to construction activities. • If continuous monitoring is deemed necessary, siting of the monitors should generally follow the guidelines provided in the MECP *Operations Manual for Air Quality Monitoring in Ontario* (2018).

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1. Overview of Undertaking

The Ontario Ministry of Transportation (MTO) has retained AECOM Canada Ltd. (AECOM) to undertake a Planning, Preliminary Design, and Class Environmental Assessment (Class EA) Study for Highway 401 from 1 km east of Highway 16 to 3.3 km west of Maitland Road for a total length of approximately 20.75 km, located within the Township of Augusta, Town of Prescott, and the Township of Edwardsburgh Cardinal ('the Project'). The Project will look to address current and future transportation needs by developing a plan for the rehabilitation and/or replacement of 14 structures, determining the long-term plans for the Maitland Road, Edward Street and Highway 16 interchanges, and will establish the future footprint for interim six lanes and ultimate eight lanes of Highway 401.

This Project will follow the approved planning process for a Group 'B' project under the MTO Class Environmental Assessment for Provincial Transportation Facilities (amended 2000) (Class EA) and will include the preparation of an updated Preliminary Design, undertake an updated EA, and complete a Transportation Environmental Study Report (TESR).

This Report and its findings are based on the project footprint identified within this Report. Should the footprint change or be modified in any way, a review of the changes shall be undertaken, and the Report will be updated to reflect the changes, impacts, mitigation measures, and any commitments to future work.

The purpose of the Air Quality Impact Assessment is to determine the impacts of the project on regional air quality and greenhouse gases (GHG) with the Study Area. The Study Area extends from Highway 401 West, travelling east to Highway 16 between Maitland Rd and Edward St North within the Town of Edwardsburgh Cardinal, as shown in **Figure 1-1**. This Study Area includes a 500-metre buffer to be able to capture air quality impacts and effects from traffic within the Township of Augusta, Town of Prescott, and the Township of Edwardsburgh Cardinal and the surrounding area. The 500-metre buffer is recommended through the MTO's Environmental Guide for Assessing and Mitigating the Air Quality Impacts and Greenhouse Gas Emissions of Provincial Transportation Projects (2020) ("MTO Air Quality Guideline"). Within this Study Area, a total of seventy four (74) sensitive receptors and two (2) critical receptors were identified.

A comprehensive analysis assessment, using the CAL3QHCR model, was conducted by incorporating traffic study data, collected by AECOM as part of this Preliminary Design study, combined with a configuration of traffic-links.

The analysis identified regional air quality impacts on sensitive and critical receptors present within the Study Area for three (3) conditions (Current, Future No-Build, Future Build). Air quality data collected from 2016 to 2021 at the nearest representative ambient air monitoring stations was used as background data. Emission rates were calculated using the Motor Vehicle Emission Simulator (MOVES 4.0) developed by the United States Environmental Protection Agency (US EPA).

The analysis assessment included the following air quality contaminants of concern:

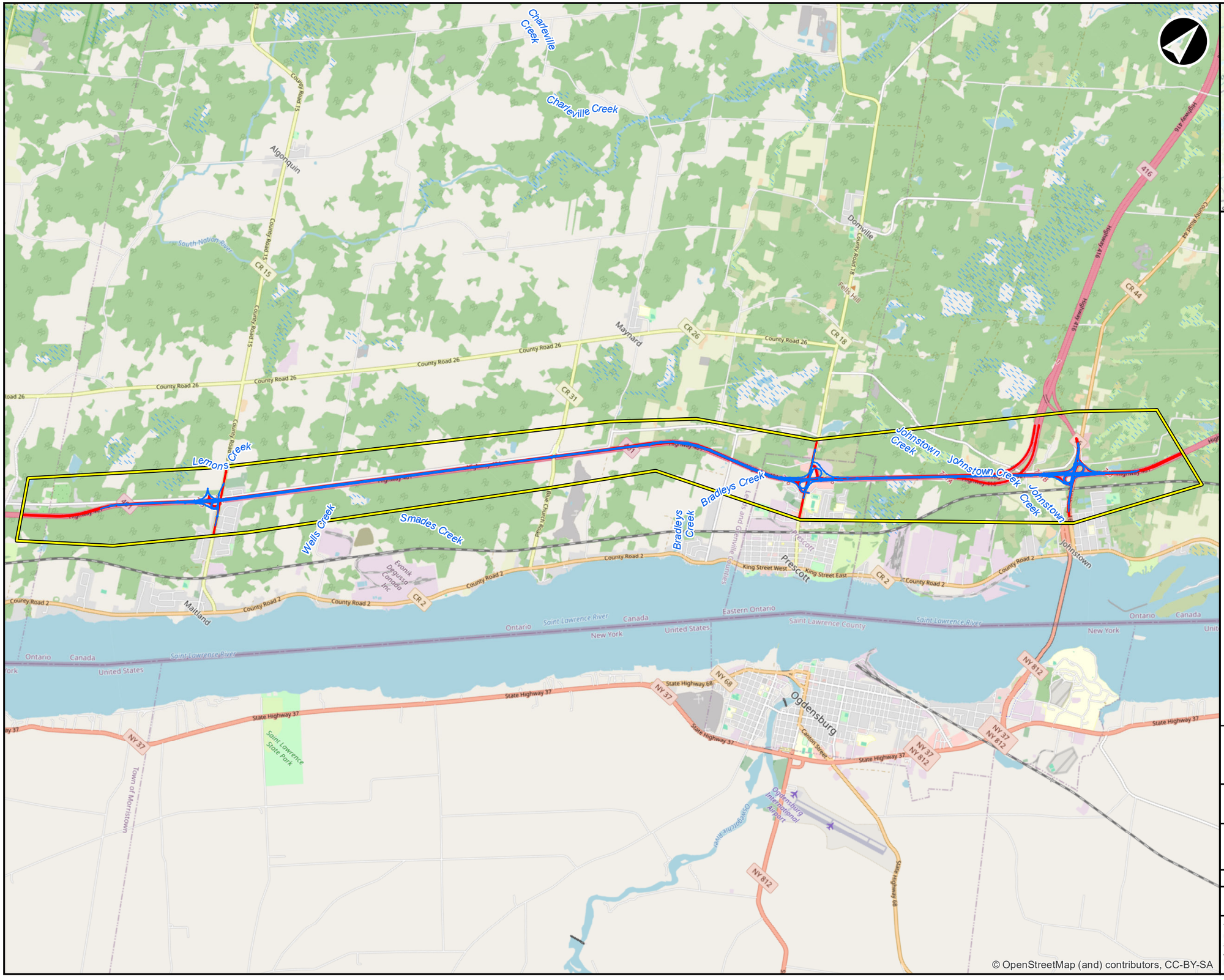
- Carbon monoxide (CO)
- Nitrogen dioxide (NO_2)
- Particulate matter with diameter less than 10 micron (PM_{10})
- Particulate matter with diameter less than 2.5 micron ($PM_{2.5}$)
- Sulphur dioxide (SO_2)
- Formaldehyde
- Acetaldehyde
- Benzene
- 1,3-Butadiene
- Benzo(a)pyrene, and
- Acrolein

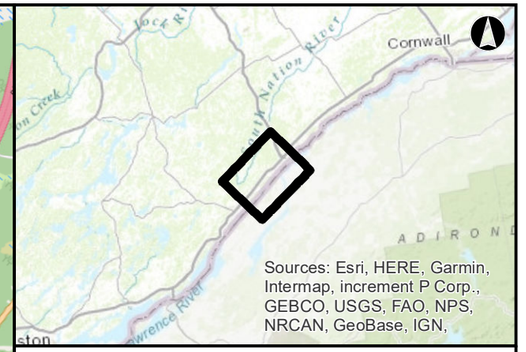
The GHG emissions included carbon dioxide (CO_2), methane (CH_4) and nitrous oxide (N_2O). Regional air quality and GHG emission impacts were determined based on an emission inventory, also referred to as a burden analysis, in accordance with the "Environmental Guide for Assessing and Mitigating the Air Quality Impacts and Greenhouse Gas Emissions of Provincial Transportation Projects" [1] ("MTO Air Quality Guideline").

The quantitative assessment of air quality impacts included the following additional tasks:

- Estimation of emissions of identified contaminants of concern including greenhouse gases, from the identified air quality sources (existing roadways, future roadways, and ramps) within the Study Area.
- Air dispersion modelling of estimated emissions in the Existing, Future No-Build, and Future Build Conditions to model the point of impingement (POI) concentrations for each contaminant of concern.
- Regional impact assessment for specified contaminants of concern and greenhouse gases to determine the project's impacts in relation to provincial targets and existing contributions from the Transportation Sector.
    - Specific contaminants of concern that are expected to exceed their Ambient Air Quality Criteria (AAQC) and/or the Canadian Ambient Air Quality Standards (CAAQS) (values shown in brackets) are: NO_2 (83 µg/m^3, 1-hour averaging period) (24 µg/m^3, annual averaging period), and Benzo(a)pyrene (0.00005 µg/m^3, 24-hour averaging period) (0.00001 µg/m^3, annual averaging period).

[1] *Ministry of Transportation, "Environmental Guide for Assessing and Mitigating the Air Quality Impacts and Greenhouse Gas Emissions of Provincial Transportation Projects" (Environmental Policy Office, May 2020)*





Legend

- Existing Link
- Future Link
- Study Area Boundary

0 0.5 1 2 3 4 5
Kilometres

Highway 401 Improvements between Highway 16 Interchange to Maitland

Air Quality Study Area

Jan, 2024	1:69,369 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 18N Source: MNRF, Henson, B.L. and Tellier, D., 2014
P#: 60638228		**Figure 1-1**

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2. Methodology

The overall objective of the Air Quality Impact Assessment was to determine the impacts of the project on regional air quality and GHG. This was done by incorporating traffic study data combined with a configuration of traffic-links in the CAL3QHCR model. Through this analysis, regional air quality impacts were predicted at the identified sensitive and critical receptors present within the Study Area for the three (3) conditions (Current, Future No-Build, Future Build).

All potential sources of vehicular emissions were identified including proposed on-ramps and off-ramps, existing and proposed signalized interchanges, and adjacent arterial roads to Highway 401. These were identified as significant air emission sources which would contribute to the overall air quality impact within the Study Area, as defined in **Section 2.1**.

Nearby existing sensitive and critical receptors were identified within the Study Area. As per the MTO Air Quality Guideline, sensitive receptors are defined as all permanent locations of residence (e.g., detached housing, apartments, and condominiums, etc.) and critical receptors included health care facilities, educational institutions, childcare facilities, or nursing/long-term care facilities. Within the Study Area, seventy-four (74) sensitive receptors and two (2) critical receptors were identified.

The background air quality concentrations within the Study Area were determined from existing Environment and Climate Change Canada (ECCC) air monitoring station data operating under the National Air Pollution Surveillance (NAPS) network. Five years of existing data sets were analysed from stations within the region, and the complete data set from the closest station or most representative station for each contaminant of concern was selected to represent the background air quality for the Study Area. As this project is located close to Highway 401, monitoring stations closest to the study area were given preference as the one of the most representative locations for the air quality contaminants of concern. As such, Montréal-Rivière-Des-Prairies, Ottawa Downtown, and Memorial Park Cornwall monitoring station (all located approximately 50 – 177 km from the Study Area) were used. The closest monitoring station used was located in Ottawa, approximately 75 km from the Study Area.

Meteorological data, including wind speed and wind direction, from the nearest meteorological station (Brockville meteorological station located in Brockville, Ontario) was also selected to provide the predominant wind direction and wind speed frequency for the Study Area. This provides a more informed identification of the potential sensitive and critical receptors which may be impacted within the Study Area.

The following three conditions were assessed:

1. Existing Conditions (2021) – Assessment of air quality impacts from vehicular emissions on identified sources within 500 m of the Study Area
2. Future No-Build Conditions (2051) – Assessment of predicted future air quality impacts from vehicular emissions of identified sources within 500 m of the Study

Area. Traffic data from 2036 was used as representative of 2051 data as there were no significant changes expected in traffic at the Future No Build condition; and

3. Future Build Conditions (2051) – Assessment of predicted future air quality impacts from vehicular emissions of identified sources within 500 m of the Study Area, including new proposed on-ramps, off-ramps, and connecting roads.

The Future Build and Future No-Build scenarios for the year 2061 (20 years from inauguration) was not included in this assessment as traffic data was not available for that horizon year and traffic projections were not expected to change significantly between future years (2041 vs 2051 vs 2061). The selected three conditions provide a comprehensive assessment of air quality impacts for the study area, as anticipated improvements in vehicle combustion efficiency with older models retire from the vehicle fleet as years progress. Therefore, the expected impact from emissions in 2061 should result in greater reductions than presented for the 2051 scenario.

The following sections outline the identification of the Study Area, sources of contaminants of concern for the three conditions, identified sensitive and critical receptors, Federal and Provincial ambient air quality criteria and/or standards, and guidelines applicable to the air quality contaminants, the methodology used to calculate emission estimates and complete dispersion modelling for each condition, and all assumptions made as part of the assessment.

2.1 Study Area and Representative Receptors

The Study Area contains land use zoned by the Township of Augusta, Town of Prescott, and the Township of Edwardsburgh Cardinal. The land use is primarily zoned as either agricultural or rural, natural areas and open spaces, industrial and commercial, or residential.

Table 2-1 and **Table A-1**, in **Appendix A**, list the identified critical receptors and sensitive receptors, respectively. The location of the identified critical receptors, such as schools, day cares, or nursing homes, and sensitive receptors, are shown in **Figure A1**, in **Appendix A**. Existing sensitive and critical receptors were included as discrete receptors within the air dispersion modelling.

Table 2-1: Identified Critical Receptors within Study Area

Receptor ID	Type	Address	Description	UTM Coordinates	
				Easting (m)	Northing (m)
CR1	Critical	1000 Edward St N Prescott, ON K0E 1T0, Canada	School	458678.00	4951959.00
CR2	Critical	990 Edward St N Prescott, ON K0E 1T0	Retirement Home	458823.00	4951870.00

2.2 Assessment of Contaminants

The primary air emission sources within the Study Area are the vehicular emissions from the road network, both existing infrastructure and proposed Highway 401 infrastructure. Based on recommendations within the MTO Air Quality Guideline, the air quality impact assessment included the following criteria air contaminants from vehicle emissions:

- Nitrogen dioxide, NO_2 (assessed over 1-hour, 24-hour, and annual averaging periods)
- Carbon monoxide, CO (assessed over 1-hour and 8-hour averaging periods)
- Sulphur Dioxide, SO_2 (assessed over 10-minute, 1-hour, and annual averaging periods)
- Particulate matter (<10 microns), PM_{10} (assessed over 24-hour period)
- Particulate matter (<2.5 microns), $PM_{2.5}$ (assessed over 24-hour and annual averaging periods)
- Acetaldehyde (assessed over ½ hour and 24-hour averaging periods)
- Acrolein (assessed over 1-hour and 24-hour averaging periods)
- Benzene (assessed over 24-hour and annual averaging periods)
- Benzo(a)pyrene, B(a)P (assessed over 24-hour and annual averaging periods)
- Formaldehyde (assessed over 24-hour averaging period); and
- 1,3-Butadiene (assessed over 24-hour and annual averaging periods)

Emissions of the coarse fraction of particulates (PM_{10}) are emitted mostly from tire wear, brake wear, and road dust fugitives, whereas the fine fraction ($PM_{2.5}$) is mostly attributed to vehicle emission exhausts.

In addition to the above, impacts of pollutants contributing to the regional GHG levels including carbon dioxide (CO_2), nitrous oxide (N_2O), and methane (CH_4) should be assessed within the assessment. The impacts of these pollutants are compared to the MECP projected transportation emissions for the Future Build year, in units of carbon equivalent, CO_2e, as shown in the Ontario's Climate Change Strategy[2].

2.3 Relevant Air Quality Guidelines

Provincial Ambient Air Quality Criteria (AAQC) and Federal Canadian Ambient Air Quality Standards (CAAQS) for the criteria air contaminants are presented in **Table 2-2**.

2. *Ministry of the Environment and Climate Change "Ontario's Climate Change Strategy" accessed April 2022* https://dr6j45jk9xcmk.cloudfront.net/documents/4914/climate-change-strategy-report.pdf

Table 2-2: Air Quality Criteria and Standards

Criteria Air Contaminants	Averaging Period (hr)	Limit (ug/m^3)	Source
NO_2	1	400	AAQC
	1	119	CAAQS (2020)
	1	83.2	CAAQS (2025)[1]
	24	200	AAQC
	Annual	33.7	CAAQS (2020)
	Annual	23.8	CAAQS (2025)[1]
CO	1	36200	AAQC
	8	15700	AAQC
SO_2	1	193	CAAQS (2020)
	1	179	CAAQS (2025)[2]
	1	106	AAQC
	10 min	178	AAQC
	Annual	10.6	AAQC
	Annual	13.8	CAAQS (2020)
	Annual	11.0	CAAQS (2025)
PM_{10}	24	50.0	AAQC
$PM_{2.5}$	24	27.0	CAAQS[3]
	Annual	8.80	CAAQS[3]
Acetaldehyde	30 min	500	AAQC
	24	500	AAQC
Acrolein	1	4.50	AAQC
	24	0.40	AAQC
Benzene	24	2.30	AAQC
	Annual	0.45	AAQC
Benzo(a)pyrene	24	5.00E-05	AAQC
	Annual	1.00E-05	AAQC
1,3-Butadiene	24	10.0	AAQC
	Annual	2.00	AAQC
Formaldehyde	24	65.0	AAQC

Notes: (1) *Standard value from CAAQS for NO_2 is 42 ppb for the 1-hour averaging period and 12 ppb for the Annual averaging period. Standard converted to µg/m^3 using a temperature of 10°C and pressure of 1 atm. The statistical form of the 1-hour standard is based on a 3-year average of the 98th percentile of the daily maximum 1-hour average concentrations. The annual standard is based on an average over a single calendar year of all 1-hour average concentrations.*

(2) *Standard value from CAAQS for SO_2 is 65 ppb for the 1-hour averaging period and 4.0 ppb for the Annual averaging period. Standard converted to µg/m^3 using a temperature of 10°C and pressure of 1 atm. The statistical form of the 1-hour standard is based on a 3-year average of the 99th percentile of the daily maximum 1-hour average concentrations.*

(3) *The statistical form of the $PM_{2.5}$ 24-hour CAAQS standard is based on a 3-year average of the 98th percentile of the daily 24-hour average concentrations. The annual CAAQS standard is based on a 3-year average of the daily 24-hour average concentrations.*

The AAQCs are acceptable effects-based levels in ambient air. Limits are set based on the “limiting effect” and are the lowest concentrations at which an adverse effect may be experienced. Effects considered may be health, odour, vegetation, soiling, visibility,

corrosion or others and limits have variable averaging times appropriate for the effect that they are intended to protect against. AAQCs are used for assessing general air quality and the potential for causing an adverse effect. They are set at levels below which adverse health and/or environmental effects are not expected. If a contaminant has an AAQC for more than one averaging time, all averaging times must be used for assessment purposes, as each time averaging period may represent a different type of effect.

The Canadian Council of Ministers of the Environment (CCME) has developed Canada-wide standards for a variety of contaminants. These standards are developed jointly by various provincial jurisdictions based on a scientific and risk-based approach. The CCME has developed standards for fine particulate matter ($PM_{2.5}$), nitrogen dioxide (NO_2) and sulphur dioxide (SO_2), under the CAAQS. The CAAQS are established as voluntary objectives under the Canadian Environmental Protection Act, 1999.

2.4 Emissions Inventory Assessment Methodology

Emission inventories estimate the quantities (in mass units) of CACs emitted over a given period and provide information about contributions from various sources. Emissions are estimated by multiplying emission factors by source activity levels. An emission factor represents the emissions from a single source for a unit of time or distance (e.g., grams of CO per vehicle mile traveled). The source activity is the number of vehicle-miles-traveled (VMT) on a roadway segment in a given time period, such as one day.

The emissions inventory for this air quality impact assessment was prepared in accordance with the MTO Air Quality Guideline. Annual emissions inventories were prepared for each CAC for the Existing Conditions year (2021) and Future No-Build (2051) and Build conditions horizon year (2051). A copy of the emission inventory tables is included in **Appendix B** and the MOVES.4.0 output is provided in **Appendix C**.

The motor vehicle emission inventory was developed using available project design details, traffic data for identified sources within the Study Area, and emission factors produced from the U.S. EPA emissions modeling software MOVES.4.0 for the Existing Conditions year (2021) and Future Conditions horizon year (2051). This software provides emission rates for a wide variety of source types (i.e., passenger cars, motorcycles, long-haul trucks, etc.), speed bins, road types, and emission types (i.e., running emissions, idling emissions, tire wear, brake wear, etc.). Emission rates were developed for all contaminants of concern and greenhouse gas compounds from passenger vehicle, and heavy vehicle source types shown in **Table 2-3**.

Table 2-3: MOVES Source IDs

MOVES Source ID	Source Description
11	Motorcycle
21	Passenger Car
31	Passenger Truck

32	Light Commercial Truck
41	Other Buses
42	Transit Bus
43	School Bus
51	Refuse Truck
52	Single Unit Short-haul Truck
53	Single Unit Long-haul Truck
54	Motor Home
61	Combination Short-haul Truck
62	Combination Long-haul Truck

Source: U.S. EPA emissions modeling software MOVES.4.0

The U.S. EPA emissions modelling software MOVES calculates emissions from mobile sources using a variety of factors: time span, geographic bounds, vehicle type, road type, and emission or process type. The time span calculates emission using default fleet composition and fuel criteria specific to a pre-selected year, month, hour, and weekday/weekend profile. Fleet composition and fuel criteria are also specific to geographic location, with default database data provided for each county in the United States.

For Canada, the closest US County to the Study Area is expected to provide fleet and fuel characteristics as close of a match as possible; therefore, St. Lawrence County in New York State was selected. Since MOVES is developed in the U.S., Canadian-specific county data are not available. It is typical for Canadian air quality transportation environmental assessment projects to assume a similar vehicle fleet and fuel characteristics to that of the closest U.S. based county. This approach has been accepted by the MECP for previously submitted assessments for other transportation projects.

There are thirteen vehicle types and five fuel types in MOVES. The various vehicle types encompass passenger vehicles (motorcycles, cars, and trucks); light, medium and heavy commercial trucks; buses (intercity, transit, and school); and other vehicle types such as refuse trucks and motor homes. The fuels include diesel, gasoline, electricity, compressed natural gas (for transit buses only), and ethanol (E-85) fuel. The percentage of E-85 fuel used by the project fleet was eliminated in emissions estimation for this project as flex-fuel cars and fuelling stations are not as readily available in Ontario as they are in the United States.

Emissions in MOVES are divided into four major categories:

1. Running emissions
2. Start emissions
3. Evaporative emissions; and
4. Particulate emissions from brake wear and tire wear

Vehicular emissions from the project were estimated using the MOVES.4.0 County Scale methodology. An averaged 24-hour emission profile was generated for each

pollutant, for each vehicle type (passenger car and heavy vehicle). The maximum emissions from January and July were compared and the higher of the two was selected for inclusion in air dispersion modelling, to capture the worst-case emissions from both the coldest (January) and warmest (July) ambient temperatures.

Evaporative emissions include the following sub-categories: evaporative permeation, fuel vapour venting, fuel leaks, refuelling displacement vapour loss, refuelling spillage loss, vapour loss during running emissions, and vapour loss during idling. All types of evaporative emissions were included within the calculated MOVES running and idling emission factors used in the assessment.

A range of emission rates depending on posted vehicle speed are designated by seventeen 'speed bins' (Speed Bin ID 0 through 16). This assessment included:

- Speed Bin ID 0, representing idling emissions for all source types (within signalized Interchange queues)
- Speed Bin ID 5, representing vehicles travelling at 40 km/hr
- Speed Bin ID 7, representing vehicles travelling at 50 km/hr
- Speed Bin ID 8, representing vehicles travelling at 60 km/hr
- Speed Bin ID 11, representing vehicles travelling at 80 km/hr
- Speed Bin ID 13, representing vehicles travelling at 100 km/hr; and
- Speed Bin ID 15, representing vehicles travelling at 110 km/hr

2.5 Dispersion Modelling Assessment Methodology

The calculated emission inventory for all CACs were modelled using the U.S. EPA CALINE3 based dispersion model, CAL3QHCR version 6.5.0[3]. The model is a CO and $PM_{2.5}$ based model with queuing and hot spot calculations and a traffic model to calculate delays and queues that occur at signalized Interchanges. CAL3QHCR is a refined version of CAL3QHC which requires local meteorological data input and can model a 24-hour distribution of emission rates and traffic data. The main dispersion algorithm for this model is Gaussian and therefore is known to produce inaccurate average concentration results for situations where wind speeds are below 1.0 m/s.

A five-year site-specific meteorological data set was pre-processed by the MECP for direct use in CAL3QHCR for the years 2018 – 2022 using raw meteorological data from the Brockville data station located closest to the Study Area.

Emission sources identified within the model were based on road traffic and idling emissions from vehicle emission sources within the Study Area, including:

- Highway 401 – Highway 16

[3] *Support Centre for Regulatory Atmospheric Modeling (SCRAM) "Air Quality Dispersion Modeling – Preferred and Recommended Models" Accessed May 2021: https://wUpdaww.epa.gov/scram/air-quality-dispersion-modeling-preferred-and-recommended-models*

- Highway 401 – Between Sharpe's Ln and Rooney Rd, and
- Reconfiguration of Highway 401 On/Off Ramps on Maitland Rd, 2nd Concession Rd, and Edward St. N

For each source, an hourly profile of emission rates and traffic data was input into the model, along with other pertinent source information such as road width, signalized Interchange data, etc. in accordance with the U.S. EPA's recommended methodologies[4].

2.6 Assumptions

The traffic data and other air quality impact assessment inputs contained within this report are based on the best available data. In general, predictions of this nature are inherently best estimates and are subject to uncertainties due to variability in key inputs and projections of future traffic conditions. During the preparation of this Air Quality Impact Assessment the following assumptions were made:

1. Vehicle type distributions for passenger vehicles and heavy vehicles were based on MOVES.4.0 default database inputs.
2. Traffic assessments for the existing conditions year of 2021 remain representative of current-day traffic conditions; COVID-19 traffic influences on today's traffic conditions are excluded. Traffic data for Future No Build was based on 2036 data as representative of a 2051 horizon year.
3. The 24-hour distribution of traffic data for Highway 401 was assumed to be equal to AADT distribution percentages gathered based on traffic data from previous years (2016) to represent highways. Data from the United States Federal Highway Association for Rural and Urban AADT percentages was used for community and rural road percentages.
4. Re-suspended particulates from each source were estimated using representative passenger vehicle and heavy truck weights, with weighted average per source matching the identified heavy vehicle percentage for each source.
5. Fuel type E-85 (ethanol-based fuels) were excluded from assessment within the emission inventory due to the lack of vehicles supporting this fuel in the Canadian/Ontario vehicle fleet.
6. Posted speed limits were used to determine speed bins for Existing, Future No Build Conditions and proposed posted speed limits were used to determine Future Build Conditions.

[4] *Peter A. Eckhoff and Thomas N. Braverman, U.S. EPA "Addendum to the User's Guide to CAL3QHC Version 2.0 (CAL3QHCR User's Guide)" (September 1995)*

3. Ambient Existing Conditions

3.1 Existing Ambient Air Quality

The baseline ambient air quality levels were based on publicly available historical data from ambient air quality monitoring stations within Ontario. Data utilized is the most recent publicly available at the time of the preparation of this assessment (November 2023). The following National Air Pollution Surveillance (NAPS) air quality monitoring stations were selected as representative of the ambient air quality within the Study Area:

- Montréal-Rivière-Des-Prairies (NAPS ID 50129)
- Ottawa Downtown (NAPS ID 60104)
- Memorial Park Cornwall (NAPS ID 61201)

These stations are located nearest to the Study Area and monitored (in combination) all relevant CACs for the assessment, since one station is unable to monitor all CACs. Where multiple stations were found to monitor a common CAC, the closest representative station was selected for the assessment.

Details of the air quality monitoring stations closest to the Study Area for each station are provided in **Table 3-1** and are shown on **Figure 3-1**.

A copy of the air quality monitoring data is provided in **Appendix D**.

Table 3-1: Air Quality NAPS Monitoring Stations' Information

Station Information	Montréal-Rivière-Des-Prairies			Ottawa Downtown		
NAPS ID	50129			60104		
Address	Montréal-Rivière-Des-Prairies			Ottawa Downtown		
Years of Data Available	2015-2019	2014-2017	2016-2020	2016-2020	2017-2021	2018-2022
Latitude	45.652			45.434		
Longitude	-73.574			-75.676		
Station Type	Urban			Urban		
CACs Measured	Acetaldehyde, Formaldehyde	Acrolein	Benzo(a)pyrene	Benzene, 1,3-Butadiene	CO, SO_2, NO_2, $PM_{2.5}$	Ozone
Distance from Study Area	177 km			75 km		

Ambient monitoring data was collected for all contaminants from the most recent data available, as per the averaging period(s) listed in **Table 3-2** through **Table 3-8**, and the following methodology was used for the calculations:

- 1 hour, 8 hour, and 24 hour ambient concentrations for the contaminants were obtained from the 90th percentile of hourly measurements from the representative

air monitoring stations (the average value was calculated from the available years).

- Annual ambient concentrations for the contaminants were obtained from the mean measurements from the representative air monitoring station:
  - The average value was calculated from the available years, when compared to the AAQC.
  - The average of the most recent 3 years used for $PM_{2.5}$, when compared to CAAQS; and
  - The maximum annual average value from the available years used for NO_2 and SO_2, when compared to the CAAQS.

Table 3-2: 90th Percentile Background Ambient Air Quality Concentrations (2017-2021)

CAC	Station ID	Averaging Period [1]	90th Percentile Concentrations (µg/m³)					
		(hr)	2017	2018	2019	2020	2021	5-Year Average
NO_2	60104	1	29.7	33.7	29.7	25.7	25.7	27.7
	60104	24	27.0	29.8	27.8	24.0	23.7	26.6
	60104	Annual[1]	14.0	14.4	13.3	11.7	11.3	12.9
PM_{10} [2]	60104	24	19.2	18.5	18.8	18.6	20.9	19.4
$PM_{2.5}$	60104	24	10.4	10.0	10.2	10.0	11.3	10.5
	60104	Annual	5.93	5.93	5.93	6.04	6.26	6.02
CO	60104	1	286	298	286	298	263	286
	60104	8	288	298	282	292	313	292
SO_2	60104	1	1.10	1.10	0.827	0.827	0.827	0.827
	60104	10 min	1.82	1.82	1.37	1.37	1.37	1.37

Notes: (1) Annual values were based on average of all available data and was not based on 90th percentile concentration for all contaminants.

(2) PM_{10} was not included in NAPS Station measurements, and therefore was estimated using $PM_{2.5}$ measurements, assuming a ratio of 1 µg/m³ PM_{10} per 0.54 µg/m³ of $PM_{2.5}$ as per Lall et. al, "Estimation of historical annual $PM_{2.5}$ exposures for health effects assessment", Atmospheric Environment 38 (2004). [5]

Table 3-3: 90th Percentile Background Ambient Air Quality Concentrations (2016-2020)

CAC	Station ID	Averaging Period [1]	90th Percentile Concentrations (µg/m3)					
		(hr)	2016	2017	2018	2019	2020	5-Year Average
Benzene	60104	24	0.63	0.69	0.71	0.54	0.90	0.70

5. *Lall, R., M. Kendall, K. Ito and G.D. Thurston, 2004: Estimation of historical annual PM2.5 exposures for health effects assessment (Atmospheric Environment. 38, 2004), 5217-5226.*

CAC	Station ID	Averaging Period [1]	90th Percentile Concentrations (µg/m3)					
		(hr)	2016	2017	2018	2019	2020	5-Year Average
	60104	Annual	0.38	0.39	0.41	0.34	0.53	0.41
1,3-Butadiene	60104	24	0.05	0.04	0.06	0.04	0.08	0.05
	60104	Annual	0.03	0.03	0.03	0.02	0.04	0.03
Benzo(a)pyrene	50129	24	5.76E-05	2.04E-04	1.12E-04	6.86E-05	8.93E-05	1.18E-04
	50129	Annual	3.33E-05	7.73E-05	6.87E-05	3.00E-05	7.12E-05	5.61E-05

Notes: (1) Annual values were based on average of all available data and was not based on 90th percentile concentration for all contaminants.

Table 3-4: 90th Percentile Background Ambient Air Quality Concentrations (2015-2019)

CAC	Station ID	Averaging Period [1]	90th Percentile Concentrations (µg/m3)					
		(hr)	2015	2016	2017	2018	2019	5-Year Average
Acetaldehyde	50129	0.5	4.97	5.64	4.51	4.42	3.99	4.45
	50129	24	1.68	1.91	1.52	1.50	1.35	1.51
Formaldehyde	50129	24	2.76	2.79	1.50	2.48	2.16	2.41

Table 3-5: 90th Percentile Background Ambient Air Quality Concentrations (2014-2018)

CAC	Station ID	Averaging Period	90th Percentile Concentrations (µg/m3)					
		(hr)	2014	2015	2016	2017	2018	4-Year Average
Acrolein	50129	1	0.272	0.291	0.104	0.0224	No Data	0.131
	50129	24	0.112	0.120	0.043	0.00920	No Data	0.0540

Table 3-6: 90th Percentile Background Ambient Air Quality Concentrations (2018-2022)

CAC	Station ID	Averaging Period	90th Percentile Concentrations (µg/m3)					
		(hr)	2018	2019	2020	2021	2022	5-Year Average
Ozone	60104	1	84.7	80.6	80.6	82.6	82.6	82.6
	60104	24	79.0	74.1	73.9	75.2	74.1	75.7
	60104	Annual	54.5	53.5	52.1	53.3	53.8	53.5

Table 3-7: 98th Percentile Background Ambient Air Quality Concentration (2017-2021)

CAC	Station ID	Averaging Period	98th Percentile Concentrations (µg/m³)					3-Year Avg. (1-Hour/24-Hour) or Max Annual [1]
		(hr)	2017	2018	2021	2020	2021	
NO_2	60104	1	81.2	80.6	84.6	78.0	74.7	82.1
NO_2	60104	Annual	14.0	14.4	13.3	11.7	11.3	14.4
$PM_{2.5}$	60104	24	14.8	16.0	14.9	17.0	17.5	16.8
$PM_{2.5}$	60104	Annual	5.93	5.93	5.93	6.04	6.26	6.08

Table 3-8: 99th Percentile Background Ambient Air Quality Concentration (2017-2021)

CAC	Station ID	Averaging Period	99th Percentile Concentrations (µg/m³)					Annual Maximum
		(hr)	2017	2018	2021	2020	2021	
SO_2	60104	1	7.17	5.46	4.14	5.35	7.55	6.73

The background concentrations for each contaminant were also compared to the applicable Provincial AAQC and Federal CAAQS for the time averaging periods, as shown in **Table 3-9.**

Table 3-9: Comparison of Background Ambient Air Quality Data to Relevant Ambient Air Criteria/Standard

CAC	Station ID	Averaging Period	Years	Average of Background Data (10 °C & 1 atm)	Percentile	Standard Limit	Standard Source	% of Standard Limit
		(hr)		(µg/m³)		(µg/m³)		
NO_2	60104	1	2017-2021	27.7	90th	400	AAQC	7%
		1	2017-2021	82.1	98th	119	CAAQS (2020)	69%
		1	2017-2021	82.1	98th	83.2	CAAQS (2025)	99%
		24	2017-2021	26.6	90th	200	AAQC	13%
		Annual	2017-2021	14.4	Mean	33.7	CAAQS (2020)	43%
		Annual	2017-2021	14.4	Mean	23.8	CAAQS (2025)	61%
CO	60104	1	2017-2021	301	90th	36200	AAQC	1%
		8	2017-2021	307	90th	15700	AAQC	2%
SO_2	60104	1	2017-2021	6.73	99th	193	CAAQS (2020)	3%

CAC	Station ID	Averaging Period (hr)	Years	Average of Background Data (10 °C & 1 atm) (µg/m³)	Percentile	Standard Limit (µg/m³)	Standard Source	% of Standard Limit
		1	2017-2021	6.73	99th	179	CAAQS (2025)	4%
		1	2017-2021	0.83	90th	106	AAQC	1%
		10 min	2017-2021	1.37	90th	178	AAQC	1%
		Annual	2017-2021	0.45	Mean	10.6	AAQC	4%
		Annual	2017-2021	0.51	Mean	13.8	CAAQS (2020)	4%
		Annual	2017-2021	0.51	Mean	11.0	CAAQS (2025)	5%
PM_{10}	60104	24	2017-2021	19.44	90th	50.0	AAQC	39%
$PM_{2.5}$	60104	24	2017-2021	16.82	98th	27.0	CAAQS	62%
		Annual	2017-2021	6.08	Mean	8.80	CAAQS	69%
Acetaldehyde	50129	30 min	2015-2019	4.45	90th	500	AAQC	1%
		24	2015-2019	1.51	90th	500	AAQC	0%
Acrolein	50129	1	2014-2017	0.13	90th	4.50	AAQC	3%
		24	2014-2017	0.05	90th	0.40	AAQC	14%
Benzene	60104	24	2016-2020	0.70	90th	2.30	AAQC	31%
		Annual	2016-2020	0.41	Mean	0.45	AAQC	91%
Benzo(a)pyrene	50129	24	2016-2020	1.18E-04	90th	5.00E-05	AAQC	235%
		Annual	2016-2020	5.61E-05	Mean	1.00E-05	AAQC	561%
1,3-Butadiene	60104	24	2016-2020	0.05	90th	10.0	AAQC	0%
		Annual	2016-2020	0.03	Mean	2.00	AAQC	1%
Formaldehyde	50129	24	2015-2019	2.41	90th	65.0	AAQC	4%
Ozone	60104	1	2018-2022	82.6	90th	-	-	-
		24	2018-2022	75.7	90th	-	-	-

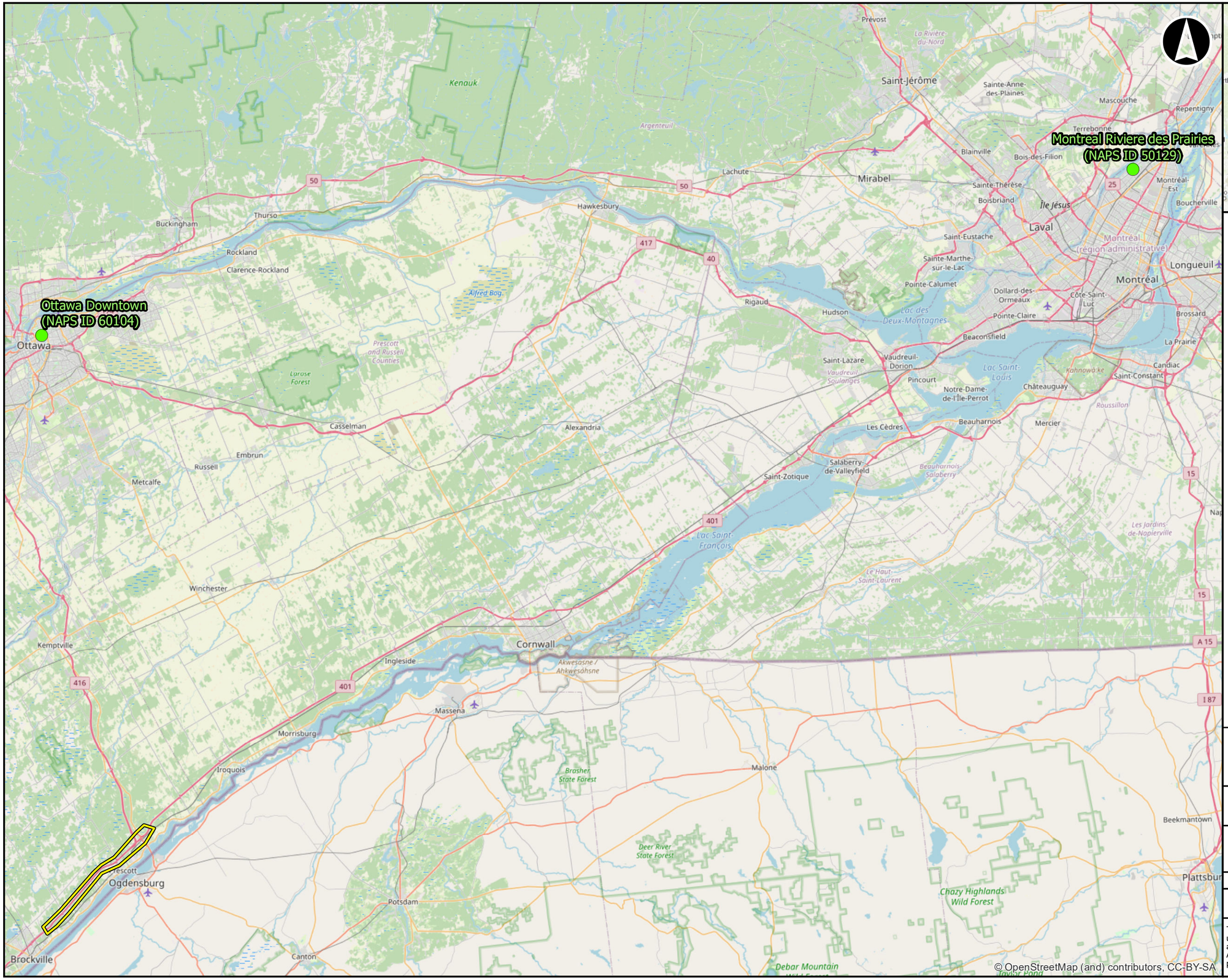
Notes: (1) *Exceedances to Air Quality criteria are shown in* **red**.

(2) *Standard value from CAAQS for NO_2 is 42 ppb for the 1-hour averaging period and 12 ppb for the Annual averaging period. Standard converted to µg/m³ using a temperature of 10 ℃ and pressure of 1 atm. The statistical form of the 1-hour background concentration is presented as a 3-year average of the 98th percentile of the daily maximum 1-hour average concentrations. The annual background concentration is presented as an average over a single calendar year of all 1-hour average concentrations.*

(3) *Standard value from CAAQS for SO_2 is 65 ppb for the 1-hour averaging period and 4.0 ppb for the Annual averaging period. Standard converted to µg/m³ using a temperature of 10 ℃ and pressure of 1 atm. The statistical form of the 1-hour background concentration is presented as a 3-year average of the 99th percentile of the daily maximum 1-hour average concentrations.*

(4) *The statistical form of the $PM_{2.5}$ 24-hour background concentration is presented as a 3-year average of the 98th percentile of the daily 24-hour average concentrations. The annual background concentration is presented as a 3-year average of the daily 24-hour average concentrations.*

As noted in red font above in **Table 3-9**, one contaminants was found to exceed the Provincial AAQC in the existing ambient air levels. The exceedances for Benzo(a)pyrene are based on the existing levels within the study area.



Legend

- NAPS Monitoring Station
- Study Area Boundary

0 2.5 5 10 15 20 25 30 35
Kilometres

Highway 401 Improvements between Highway 16 Interchange to Maitland

Location of NAPS Monitoring Stations

Jan, 2024	1:550,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 18N Source: MNRF, Henson, B.L. and Tellier, D., 2014
P#: 60638228		**Figure 3-1**

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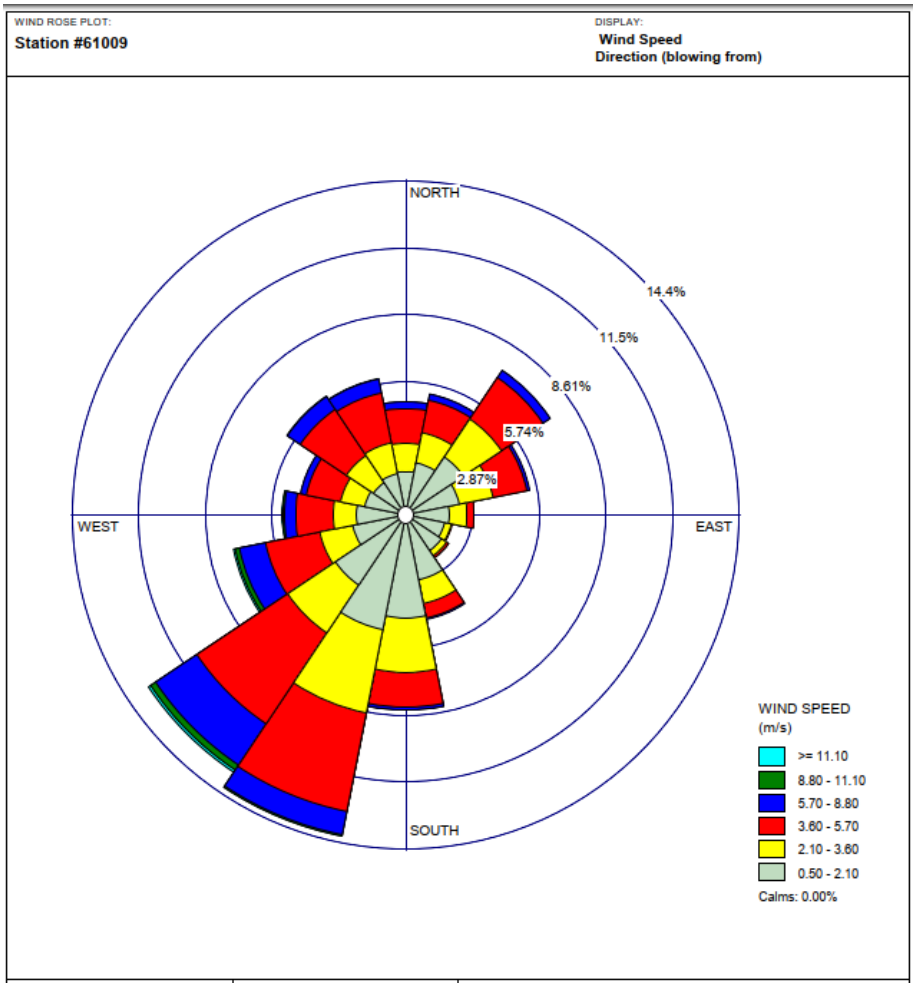
3.2 Meteorological Conditions

The MECP pre-processed the site-specific set of meteorological data for use in CAL3QHCR version 6.5.0, using specific land uses found within the Study Area. The nearest source for meteorological surface data is Brockville meteorological station located in Brockville, Ontario, approximately 4.47 km east of the Study Area. Due to the close proximity and similar land use, this station is expected to provide representative meteorological conditions for the Study Area.

This 5-year (2018 – 2022) meteorological dataset was prepared by the Ministry of the Environment, Conservation and Parks for the site identified in the request, with upper air data from Maniwaki station, Quebec and surface data from Brockville station (base elevation is 121 m).

The wind rose for the five-year meteorological period (2018 – 2022) showing the wind direction (blowing from) and wind speed is presented in **Figure 3-2**. The wind rose shows that the predominant wind direction is blowing from the SW (Southwest).

Figure 3-2: Wind Rose for Brockville Meteorological Station



4. Emission Inventory

4.1 Traffic Assessment

Three conditions were modelled for this assessment: Existing Conditions, Future No-Build Conditions, and Future Build Conditions.

The sources located within the Study Area for Existing Conditions and Future No-Build Conditions remained identical. The only difference between the two conditions was the anticipated traffic volume within the Study Area that would result in a change to the air quality impact. The Future Build Conditions includes new sources of traffic emission from the proposed project infrastructure.

Existing and projected future turning movement count (TMC) data and processed annual averaged daily traffic (AADT) volumes were provided by the MTO and AECOM's traffic engineering modelling for 2021, to be used as current traffic volumes, and future projected data for 2051. Traffic data for Future No Build was based on 2036 data as representative of a 2051 horizon year.

The raw data and data summary tables for traffic volumes are provided within **Appendix E**.

4.2 Emissions Modelling (U.S. EPA MOVES.4.0)

The input data required to run MOVES in County Scale are presented in **Table 4-1**. Vehicle emission modelling was limited to internal combustion engine exhaust emissions (tailpipe exhaust only), with the exception of particulates which also included emissions from brake wear and tire wear. Where default data included in MOVES.4.0 were deemed appropriate for the Study Area, the MOVES default data has been used. The default data used was from St. Lawrence County, USA, given the relative proximity to the Study Area.

Table 4-1: MOVES.4.0 Input Data

Parameter	Input	Reference
Scale	County Scale	-
Representative County	St. Lawrence, NY	-
Calculation Type	Emission Rates	-
Years of Evaluation	2021 and 2051	-
Months of Evaluation	January and July	-
Temperature (°C)	Full set of average hourly temperatures for the months of January and July	Environment Canada Historical Climate Data – Ottawa International Airport
Humidity	Full set of average hourly temperatures for the months of January and July	Environment Canada Historical Climate Data – Ottawa International Airport

Parameter	Input	Reference
Fuel Types	Default Fuel Type IDs 1, 2, 3, and 9. ID 5 (Ethanol) was not considered.	MOVES.4.0 Default Data
Vehicle Types	Source IDs 11, 21, 31, 32, 51, 52, 53, 54, 61, 62, 41, 42, 43	MOVES.4.0 Default Data
Vehicle Age Distribution	Default Age Fraction Data	MOVES.4.0 Default Data

Emission factors for Future No Build and Future Build conditions were modelled based on a 2051 horizon year. The applicable emissions factors for all vehicle classes generated by MOVES, running as County Scale, for the existing condition using current traffic volumes (2021) and projected build years (2051) with appropriate speed bins for the Study Area are summarized in **Appendix B**.

The emission factors output by MOVES were used to calculate an appropriate emission rate to be input into the CAL3QHCR model for assessment, in grams per vehicle-mile-g/VMT). Traffic data for each identified source (segment of road) within the Study Area was identified for each of the three assessment conditions (Existing Conditions, Future No-Build, and Future Build) to be input into CAL3QHCR. The AADT distribution representative of Highway 401 was used to anticipate 24-hour variable distribution of emissions for highways. AADT percentages for urban and rural roads were taken from the United States Federal Highway Association and used with AADT data of Edward St N and County Rd 15, to represent the community and rural roads, respectively. This AADT 24-hr distribution is shown in **Appendix F**.

The associated CAL3QHCR emission rates derived from the MOVES output is shown in **Table B-2** through **Table B-13** of **Appendix B** for each modelled source for both cars and trucks.

The individual vehicle type emissions from MOVES were combined to create a representative vehicle emission for two classes of vehicle: passenger vehicles (Source ID 11, 21, 31, and 32), heavy vehicles (Source ID 41, 42, 43, 51, 52, 53, 61 and 62). Passenger vehicles are categorized under Category ID PV, while heavy vehicles are under Category ID HV, representing Trucks and Buses. The vehicle fraction for each source type is shown in **Table 4-2**. The source identification tables for the Existing, Future No-Build, and Future Build Conditions are shown in **Appendix G.**

Table 4-2: Source Type Fractions (MOVES.4.0)

Description	Fraction ID	Category ID	Source Type ID	2021 Fraction	2051 Fraction
Motorcycle	PV 11	PV	11	0.0370	0.0352
Passenger Car	PV 21	PV	21	0.385	0.209
Passenger Truck	PV 31	PV	31	0.528	0.690
Light Commercial Truck	PV 32	PV	32	0.0499	0.0653

Description	Fraction ID	Category ID	Source Type ID	2021 Fraction	2051 Fraction
SUM				1	1
Refuse Truck	HV 51	HV	51	0.0234	0.0221
Single Unit Short-haul Truck	HV 52	HV	52	0.00720	0.00681
Single Unit Long-haul Truck	HV 53	HV	53	0.0329	0.0311
Motor Home	HV 54	HV	54	0.00412	0.00446
Combination Short-haul Truck	HV 61	HV	61	0.610	0.662
Combination Long-haul Truck	HV 62	HV	62	0.0269	0.0292
Intercity Bus	HV 41	HV	41	0.0828	0.0897
Transit Bus	HV 42	HV	42	0.128	0.0930
School Bus	HV 43	HV	43	0.0848	0.0618
SUM				1	1

Notes: (1) Fractions are based on MOVES4 default database for each year.

4.3 Annual GHG and Criteria Air Contaminants Inventory

Annual emissions from all sources within the Study Area were estimated using the emission rates (g/VMT), multiplied by the predicted annual traffic volumes and source lengths (miles).

Table 4-3 shows the predicted annual emissions for the four highest CAC's assessed during the Future Build Conditions (2051).
Table 4-4 shows the predicted annual GHG emissions assessed during the Future Build Conditions (2051).

Table 4-3: Annual CAC Emissions from All Sources of the Project, Future Build Conditions (2051)

CAC	Total Annual Emissions Future Build (tonnes)
CO	15,711
NOx	685
SO_2	8
$PM_{2.5}$	87

Table 4-4: Annual GHG Emissions from All Sources of the Project, Future Build Conditions (2051)

GHG	Total Annual Emissions - Future Build (Megatonnes)
CO_2	1.91
Methane	3.52E-03
Nitrous Oxide	1.45E-04
CO_2 Equivalent	2.04

5. Dispersion Modelling

Dispersion modelling was conducted with the U.S. Environmental Protection Agency (EPA) modeling software CAL3QHCR, which is a CALINE3 based CO and $PM_{2.5}$ model with queuing and hot spot calculations and a traffic model to calculate delays and queues that occur at signalized interchanges.

5.1 Modelling Inputs

5.1.1 Meteorology

Five years of site-specific processed meteorological data from 2018 – 2022 were prepared by the Ministry of the Environment Conservation and Parks (MECP) using PCRAMMET, a meteorological processor, version 99169 for use in CAL3QHCR. The upper air data from the U.S. National Weather Service's Maniwaki station and surface data from the Environmental and Climate Change Canada's Brockville station was used for the assessment.

5.1.2 Terrain

CAL3QHCR does not include specific terrain inputs. All sources and receptors were input in reference to a uniform ground level.

5.1.3 Identified Receptors

The critical receptors identified within the Study Area have been listed in **Table 2-1**, under **Section 2.1** of this Report. The sensitive receptors within the Study Area have been listed in **Table A-1** in **Appendix A.**

In addition to these identified receptors, the CAL3QHCR models were created with a grid of 200 m x 200 m receptor points within the Study Area. Some grid receptors which overlapped with the influence area surrounding the line volume sources were removed to prevent an overestimation of road impacts.

5.2 NO_2 Assessment using Ozone Limiting Method (OLM)

The concentration of nitrogen dioxide (NO_2) in the atmosphere is affected by the reaction of nitrous oxide (NO) with ozone (O_3), which is a by-product of mobile vehicle fuel combustion. The atmospheric reaction of NO with ozone is demonstrated as follows:

$$\mathbf{NO + O_3 \rightarrow NO_2 + O_2}$$

It is assumed that the rate of conversion of NO to NO_2 is controlled by the availability of ozone in the ambient atmosphere. This principle is called the "ozone limiting method" (OLM). Using the same principles, given a high enough concentration of ozone in the ambient atmosphere, all of the emitted NO emissions will convert to NO_2 and disperse in the same way as other inert combustion products from mobile vehicles.

According to NOx studies done by the U.S. EPA, emissions of NOx from combustion are primarily in the form of NO (U.S. EPA, 1999).

Modelled concentrations of NOx were therefore used along with ambient measured concentrations of background ozone levels from nearby MECP and ECCC monitoring stations to calculate the concentrations of NO_2 at a given sensitive or critical receptor.

The Québec Ministry of the Sustainable Development, Environment, and Parks published a technical guide for calculating atmospheric concentration of NO_2 using the OLM method (Couture, 2008), described as follows:

- If the concentration (part per million, ppm) of NO is lower than that of ozone ([NO] < [O_3] or, more precisely, [O_3 > 0.9 [NOX]), then we assume that all of NO was converted to NO2: [NO_2] = [NO_X]
- If the concentration (ppm) of NO is greater than that of ozone ([NO] > [O_3]), then the concentration of NO equal to the concentration (ppm) of ozone is converted to NO_2: [NO_2] = [O_3] + 0.1* [NO_X]

The concentration of ambient ozone was taken as the average of the maximum 90th percentile values (2018 to 2022) for measured ozone concentrations at the NAPS Ottawa Downtown Station (NAPS ID 60104) as shown in **Table 5-1**.

The NAPS Ottawa Downtown Station is located approximately 75 km east of the Study Area. Based on proximity and data availability, it was chosen as the most representative station to provide the concentrations for the ozone background level assessment.

Table 5-1: Local Ambient Ozone Levels (90th Percentile Concentrations, µg/m3)

Contaminant	Averaging Period (hr)	Data Source	2018	2019	2020	2021	2022	5-Year Average
O_3	1	NAPS	84.7	86.8	82.6	82.6	86.8	84.7
O_3	24	NAPS	77.0	79.6	76.7	74.9	78.3	77.6
O_3	Annual	NAPS	56.2	57.0	55.5	54.5	55.2	55.7

The modelled maximum receptor grid and discrete receptor concentrations of NO_X for the Existing Conditions (2021), Future No-Build Conditions (2051), and Future Build Conditions (2051) and the resulting calculated NO_2 concentration using the OLM method are shown below in **Table 5-2, Table 5-3,** and **Table 5-4**. The resulting calculated NO_2 concentration using the OLM method for individual sensitive receptors are shown in **Appendix H**.

Table 5-2: Output NO_2 Calculation Using OLM Method: Maximum Concentration

Condition: Year [1]	Averaging Period (hr)	Maximum Modelled NOx Concentration (ppb) [2]	Ambient O_3 (ppb)	OLM NO_2 (ppb)	OLM NO_2 ($\mu g/m^3$)	Receptor Location at Maximum Concentration
EC: 2021	1	284	40.0	68.4	135	SR63
EC: 2021	24	48.4	36.6	41.5	82.1	SR38
EC: 2021	Annual	15.4	25.9	15.4	30.5	SR21
FNB: 2051	1	58.3	40.0	45.8	90.7	SR68
FNB: 2051	24	12.3	36.6	12.3	24.3	SR68
FNB: 2051	Annual	2.03	25.9	2.03	4.02	SR68
FB: 2051	1	159	40.0	55.9	111	SR30
FB: 2051	24	27.2	36.6	27.2	53.8	SR47
FB: 2051	Annual	7.68	25.9	7.68	15.2	SR31

Notes: (1) EC – Existing Conditions; FNB – Future No-Build Conditions; FB - Future Build Conditions
(2) Conversion from $\mu g/m^3$ to ppb uses the molecular weight of nitrogen dioxide (46 g/mol), gas constant (8.314 m^3 Pa mol^{-1} K^{-1}), and standard temperature and pressure of 101.325 Pa and 10 degrees Celsius.

Table 5-3: Output NO_2 Calculation Using OLM Method: Sensitive Receptor No. 68

Condition: Year [1]	Averaging Period (hr)	Maximum Modelled NOx Concentration (ppb) [2]	Ambient O_3 (ppb)	OLM NO_2 (ppb)	OLM NO_2 ($\mu g/m^3$)	Receptor Location at Maximum Concentration
EC: 2021	1	139	40.0	53.9	107	SR68
EC: 2021	24	34.9	36.6	34.9	69.2	SR68
EC: 2021	Annual	7.48	25.9	7.48	14.8	SR68
FNB: 2051	1	58.3	40.0	45.8	90.7	SR68
FNB: 2051	24	12.3	36.6	12.3	24.3	SR68
FNB: 2051	Annual	2.03	25.9	2.03	4.02	SR68
FB: 2051	1	79.7	40.0	48.0	95.0	SR68
FB: 2051	24	9.50	36.6	9.50	18.8	SR68
FB: 2051	Annual	2.72	25.9	2.72	5.39	SR68

Notes: (1) EC – Existing Conditions; FNB – Future No-Build Conditions; FB - Future Build Conditions
(2) Conversion from $\mu g/m^3$ to ppb uses the molecular weight of nitrogen dioxide (46 g/mol), gas constant (8.314 m^3 Pa mol^{-1} K^{-1}), and standard temperature and pressure of 101.325 Pa and 10 degrees Celsius.

Table 5-4: Output NO_2 Calculation Using OLM Method: Sensitive Receptor No. 38

Condition: Year [1]	Averaging Period (hr)	Maximum Modelled NOx Concentration (ppb) [2]	Ambient O_3 (ppb)	OLM NO_2 (ppb)	OLM NO_2 ($\mu g/m^3$)	Receptor Location at Maximum Concentration
EC: 2021	1	243	40.0	64.3	127	SR38
EC: 2021	24	48.4	36.6	41.5	82.1	SR38
EC: 2021	Annual	13.4	25.9	13.4	26.6	SR38
FNB: 2051	1	34.4	40.0	34.4	68.2	SR38
FNB: 2051	24	6.86	36.6	6.86	13.6	SR38
FNB: 2051	Annual	1.91	25.9	1.91	3.77	SR38
FB: 2051	1	127	40.0	52.7	104	SR38
FB: 2051	24	26.0	36.6	26.0	51.5	SR38
FB: 2051	Annual	7.31	25.9	7.31	14.5	SR38

Notes: (1) EC – Existing Conditions; FNB – Future No-Build Conditions; FB - Future Build Conditions
(2) Conversion from $\mu g/m^3$ to ppb uses the molecular weight of nitrogen dioxide (46 g/mol), gas constant (8.314 m^3 Pa mol^{-1} K^{-1}), and standard temperature and pressure of 101.325 Pa and 10 degrees Celsius.

Table 5-5: Output NO_2 Calculation Using OLM Method: Sensitive Receptor No. 30

Condition: Year [1]	Averaging Period (hr)	Maximum Modelled NOx Concentration (ppb) [2]	Ambient O_3 (ppb)	OLM NO_2 (ppb)	OLM NO_2 ($\mu g/m^3$)	Receptor Location at Maximum Concentration
EC: 2021	1	258	40.0	65.8	130	SR30
EC: 2021	24	43.9	36.6	41.0	81.2	SR30
EC: 2021	Annual	10.7	25.9	10.7	21.2	SR30
FNB: 2051	1	36.6	40.0	36.6	72.4	SR30
FNB: 2051	24	6.15	36.6	6.15	12.2	SR30
FNB: 2051	Annual	1.46	25.9	1.46	2.89	SR30
FB: 2051	1	159	40.0	55.9	111	SR30
FB: 2051	24	26.9	36.6	27.2	53.8	SR30
FB: 2051	Annual	6.62	25.9	7.68	15.2	SR30

Notes: (1) EC – Existing Conditions; FNB – Future No-Build Conditions; FB - Future Build Conditions
(2) Conversion from $\mu g/m^3$ to ppb uses the molecular weight of nitrogen dioxide (46 g/mol), gas constant (8.314 m^3 Pa mol^{-1} K^{-1}), and standard temperature and pressure of 101.325 Pa and 10 degrees Celsius.

6. Air Quality Impact Assessment

6.1 Assessment of Modelling Results through a Comprehensive Analysis

6.1.1 Predicted Cumulative Concentrations: Existing Conditions

The highest predicted contaminant emissions for the Existing Conditions were modelled in CAL3QHCR using a receptor grid, including identified sensitive and critical receptors. The results of the dispersion modelling identified the location of the maximum concentration at the most impacted receptor within the Study Area.

The maximum concentrations at sensitive and critical receptors within the Study Area are summarized in **Table 6-1**. Results are presented with the background concentrations for each contaminant per averaging period to determine the cumulative concentrations. The cumulative concentrations were compared to the applicable provincial and federal standards and the predicted exceedances are noted in red in **Table 6-1**.

The maximum concentration cumulative impacts at each identified sensitive and critical receptor is included in **Appendix I**. The isopleth figures showing maximum impact for all contaminants within Existing Conditions are shown in **Appendix J.**

Table 6-1: Summary of Existing Conditions Cumulative Concentration: Maximum Concentration

Contaminant	Averaging Period (hr)	Percentile	Background Concentration ($\mu g/m^3$)	Maximum Modelled Concentration ($\mu g/m^3$)	Sensitive / Critical Receptor	Cumulative Concentration ($\mu g/m^3$)	AAQC/ CAAQS ($\mu g/m^3$)	Standard Source	Max POI % of AAQC/ CAAQS	Cumulative% of AAQC/ CAAQS
NO_2	1	90th	27.7	135	SR63	163	400	AAQC	34%	41%
	1	98th	82.1	135	SR63	218	119	CAAQS (2020)	114%	183%
	1	98th	82.1	135	SR63	218	83.2	CAAQS (2025)	163%	262%
	24	90th	26.6	82.1	SR38	109	200	AAQC	41%	54%
	Annual	Mean	14.4	30.5	SR21	44.8	33.7	CAAQS (2020)	90%	133%
	Annual	Mean	14.4	30.5	SR21	44.8	23.8	CAAQS (2025)	128%	189%
CO	1	90th	301	2006	SR21	2308	36200	AAQC	6%	6%
	8	90th	307	895	SR38	1202	15700	AAQC	6%	8%
SO_2	1	99th	6.73	1.26	SR63	7.99	193	CAAQS (2020)	1%	4%
	1	99th	6.73	1.26	SR63	7.99	179	CAAQS (2025)	1%	4%
	1	90th	0.827	1.26	SR63	2.09	106	AAQC	1%	2%
	10 min	90th	1.37	2.08	SR63	3.45	178	AAQC	1%	2%
	Annual	Mean	0.449	0.0666	SR21	0.516	10.6	AAQC	1%	5%
	Annual	Mean	0.506	0.0666	SR21	0.573	13.8	CAAQS (2020)	0%	4%
	Annual	Mean	0.506	0.0666	SR21	0.573	11.0	CAAQS (2025)	1%	5%
PM_{10}	24	90th	19.4	19.2	SR68	38.6	50.0	AAQC	38%	77%
$PM_{2.5}$	24	98th	16.8	5.30	SR68	22.1	27.0	CAAQS	20%	82%

Contaminant	Averaging Period (hr)	Percentile	Background Concentration (µg/m^3)	Maximum Modelled Concentration (µg/m^3)	Sensitive / Critical Receptor	Cumulative Concentration (µg/m^3)	AAQC/ CAAQS (µg/m^3)	Standard Source	Max POI % of AAQC/ CAAQS	Cumulative% of AAQC/ CAAQS
	Annual	Mean	6.08	1.45	SR21	7.52	8.80	CAAQS	16%	85%
Acetaldehyde	30 min	90th	4.45	4.65	SR63	9.10	500	AAQC	1%	2%
	24	90th	1.51	0.79	SR68	2.29	500	AAQC	0%	0%
Acrolein	1	90th	0.131	0.201	SR21	0.332	4.50	AAQC	4%	7%
	24	90th	0.0540	0.0443	SR21	0.0983	0.400	AAQC	11%	25%
Benzene	24	90th	0.704	0.400	SR38	1.10	2.30	AAQC	17%	48%
	Annual	Mean	0.410	0.140	SR21	0.550	0.450	AAQC	31%	122%
Benzo(a)pyrene	24	90th	1.18E-04	2.35E-04	SR38	3.52E-04	5.00E-05	AAQC	469%	704%
	Annual	Mean	5.61E-05	8.04E-05	SR21	1.36E-04	1.00E-05	AAQC	804%	1365%
1,3-Butadiene	24	90th	0.0490	0.0542	SR38	0.103	10.0	AAQC	1%	1%
	Annual	Mean	0.0278	0.0189	SR21	0.0467	2.0	AAQC	1%	2%
Formaldehyde	24	90th	2.41	1.14	SR68	3.55	65.0	AAQC	2%	5%

Notes:

(1) NO_2 is represented using the MOVES emissions rate for NOx, converted to NO_2 using the ozone limiting method.

(2) Air Quality Threshold for fine particulate ($PM_{2.5}$) is based on the 98th percentile ambient measurement (24-hour), annually averaged over three years. This standard is referenced from the appropriate year of the Canadian Ambient Air Quality Standards (CAAQs). The CAAQs are voluntary objectives.

(3) 1 hour, 8 hour, and 24 hour ambient concentrations for the contaminants were obtained from the 90th percentile of hourly measurements from representative air quality monitoring stations. Annual ambient concentrations for the contaminants were obtained from the mean measurements from the representative air quality monitoring stations.

*(4) The annual maximum impacts presented in **Appendix I** reflect the average of all five years of meteorological data, rather than the highest predicted impact of each of the five year's individual annual average, as reflected in **Table 6-1**.*

*(5) Exceedances to Air Quality thresholds are shown in **red**.*

6.1.2 Predicted Cumulative Concentrations: Future No-Build Conditions

The highest predicted contaminant emissions for the Future No-Build Conditions were modelled in CAL3QHCR using a receptor grid, including identified sensitive and critical receptors. The results of the dispersion modelling identified the location of the maximum concentration at the most impacted receptor within the Study Area.

The maximum concentrations for sensitive and critical receptors within the Study Area are summarized in **Table 6-2**. Results are presented with the background concentrations for each contaminant per averaging period to determine the cumulative concentrations. The cumulative concentrations were compared to the applicable provincial and federal standards and the predicted exceedances are noted in red in **Table 6-2.**

The maximum concentration cumulative impacts at each identified sensitive and critical receptor is included in **Appendix I**. The isopleth figures showing maximum impact for all contaminants within Future No-Build Conditions are shown in **Appendix J**.

Table 6-2: Summary of Future No-Build Conditions Cumulative Concentration: Maximum Concentration

Contaminant	Averaging Period (hr)	Percentile	Background Concentration (µg/m^3)	Maximum Modelled Concentration (µg/m^3)	Sensitive / Critical Receptor	Cumulative Concentration (µg/m^3)	AAQC/ CAAQS (µg/m^3)	Standard Source	Max POI % of AAQC/ CAAQS	Cumulative% of AAQC/ CAAQS
NO_2	1	90th	27.7	90.7	SR68	118	400	AAQC	23%	30%
	1	98th	82.1	90.7	SR68	173	119	CAAQS (2020)	76%	146%
	1	98th	82.1	90.7	SR68	173	83	CAAQS (2025)	109%	208%
	24	90th	26.6	24.3	SR68	50.9	200	AAQC	12%	25%
	Annual	Mean	14.4	4.02	SR68	18.4	33.7	CAAQS (2020)	12%	55%
	Annual	Mean	14.4	4.02	SR68	18.4	23.8	CAAQS (2025)	17%	78%
CO	1	90th	301	1945	SR63	2247	36200	AAQC	5%	6%
	8	90th	307	895	SR47	1202	15700	AAQC	6%	8%
SO_2	1	99th	6.73	1.01	SR63	7.74	193	CAAQS (2020)	1%	4%
	1	99th	6.73	1.01	SR63	7.74	179	CAAQS (2025)	1%	4%
	1	90th	0.827	1.01	SR63	1.84	106	AAQC	1%	2%
	10 min	90th	1.37	1.67	SR63	3.04	178	AAQC	1%	2%
	Annual	Mean	0.449	0.0481	SR38	0.497	11	AAQC	0%	5%
	Annual	Mean	0.506	0.0481	SR38	0.554	14	CAAQS (2020)	0%	4%
	Annual	Mean	0.506	0.0481	SR38	0.554	11	CAAQS (2025)	0%	5%
PM_{10}	24	90th	19.4	20.8	SR68	40.2	50.0	AAQC	42%	80%
$PM_{2.5}$	24	98th	16.8	4.79	SR68	21.6	27.0	CAAQS	18%	80%
	Annual	Mean	6.08	0.902	SR21	6.98	8.80	CAAQS	10%	79%
Acetaldehyde	30 min	90th	4.45	3.52	SR68	7.97	500	AAQC	1%	2%
	24	90th	1.51	0.702	SR68	2.21	500	AAQC	0%	0%

Contaminant	Averaging Period (hr)	Percentile	Background Concentration (µg/m^3)	Maximum Modelled Concentration (µg/m^3)	Sensitive / Critical Receptor	Cumulative Concentration (µg/m^3)	AAQC/ CAAQS (µg/m^3)	Standard Source	Max POI % of AAQC/ CAAQS	Cumulative% of AAQC/ CAAQS
Acrolein	1	90th	0.131	0.008	SR69	0.140	4.50	AAQC	0%	3%
	24	90th	0.0540	0.00219	SR68	0.0562	0.400	AAQC	1%	14%
Benzene	24	90th	0.704	0.0496	SR38	0.754	2.30	AAQC	2%	33%
	Annual	Mean	0.410	0.0138	SR38	0.424	0.450	AAQC	3%	94%
Benzo(a)pyrene	24	90th	1.18E-04	2.67E-05	SR38	1.44E-04	5.00E-05	AAQC	53%	289%
	Annual	Mean	5.61E-05	7.43E-06	SR38	6.35E-05	1.00E-05	AAQC	74%	635%
1,3-Butadiene	24	90th	0.0490	Beyond the year 2040, MOVES Emission Factor for 1,3-Butadiene is 0		0.0490	10.0	AAQC	-	0%
	Annual	Mean	0.0278			0.0278	2.00	AAQC	-	1%
Formaldehyde	24	90th	2.41	0.824	SR68	3.23	65.0	AAQC	1%	5%

Notes:

(1) NO_2 is represented using the MOVES emissions rate for NOx, converted to NO_2 using the ozone limiting method.

(2) Air Quality Threshold for fine particulate ($PM_{2.5}$) is based on the 98th percentile ambient measurement (24-hour), annually averaged over three years. This standard is referenced from the appropriate year of the Canadian Ambient Air Quality Standards (CAAQs). The CAAQs are voluntary objectives.

(3) 1 hour, 8 hour, and 24 hour ambient concentrations for the contaminants were obtained from the 90th percentile of hourly measurements from representative Air Quality monitoring stations. Annual ambient concentrations for the contaminants were obtained from the mean measurements from the representative Air Quality monitoring stations.

*(4) The annual maximum impacts presented in **Appendix I** reflect the average of all five years of meteorological data, rather than the highest predicted impact of each of the five year's individual annual average, as reflected in **Table 6-2**. The locations of maximum concentration impacts are shown in isopleth figures compiled in **Appendix J**.*

*(5) Exceedances to Air Quality thresholds are shown in **red**.*

6.1.3 Predicted Cumulative Concentrations: Future Build Conditions

The highest predicted contaminant emissions for the Future Build Conditions were modelled in CAL3QHCR using a receptor grid, including identified sensitive and critical receptors. The results of the dispersion modelling identified the location of the maximum concentration at the most impacted receptor within the Study Area.

The maximum concentrations for sensitive and critical receptors within the Study Area are summarized in **Table 6-3**. Results are presented with the background concentrations for each contaminant per averaging period to determine the cumulative concentrations. The cumulative concentrations were compared to the applicable provincial and federal standards and the predicted exceedances are noted in red.

The maximum concentration cumulative impacts at each identified sensitive and critical receptor is included in **Appendix I**. The isopleth figures showing maximum impact for all contaminants within Future Build Conditions are shown in **Appendix J**.

Table 6-3: Summary of Future Build Conditions Cumulative Concentration: Maximum Concentration

Contaminant	Averaging Period (hr)	Percentile	Background Concentration (µg/m^3)	Maximum Modelled Concentration (µg/m^3)	Sensitive / Critical Receptor	Cumulative Concentration (µg/m^3)	AAQC/ CAAQS (µg/m^3)	Standard Source	Max POI % of AAQC/ CAAQS	Cumulative% of AAQC/ CAAQS
NO_2	1	90th	27.7	111	SR30	138	400	AAQC	28%	35%
	1	98th	82.1	111	SR30	193	119	CAAQS (2020)	93%	162%
	1	98th	82.1	111	SR30	193	83	CAAQS (2025)	133%	232%
	24	90th	26.6	53.8	SR47	80.3	200	AAQC	27%	40%
	Annual	Mean	14.4	15.2	SR31	29.6	33.7	CAAQS (2020)	45%	88%
	Annual	Mean	14.4	15.2	SR31	29.6	23.8	CAAQS (2025)	64%	125%
CO	1	90th	301	2861	SR30	3163	36200	AAQC	8%	9%
	8	90th	307	1346	SR47	1654	15700	AAQC	9%	11%
SO_2	1	99th	6.73	1.43	SR30	8.15	193	CAAQS (2020)	1%	4%
	1	99th	6.73	1.43	SR30	8.15	179	CAAQS (2025)	1%	5%
	1	90th	0.827	1.43	SR30	2.25	106	AAQC	1%	2%
	10 min	90th	1.37	2.35	SR30	3.72	178	AAQC	1%	2%
	Annual	Mean	0.449	0.0720	SR38	0.521	10.6	AAQC	1%	5%
	Annual	Mean	0.51	0.0720	SR38	0.578	13.8	CAAQS (2020)	1%	4%
	Annual	Mean	0.51	0.0720	SR38	0.578	11.0	CAAQS (2025)	1%	5%
PM_{10}	24	90th	19.4	17.2	SR67	36.7	50.0	AAQC	34%	73%
$PM_{2.5}$	24	98th	16.8	3.83	SR67	20.7	27.0	CAAQS	14%	76%
	Annual	Mean	6.08	0.71	SR64	6.79	8.80	CAAQS	8%	77%
Acetaldehyde	30 min	90th	4.45	4.18	SR69	8.64	500	AAQC	1%	2%
	24	90th	1.51	0.83	SR68	2.34	500	AAQC	0%	0%

Contaminant	Averaging Period (hr)	Percentile	Background Concentration (µg/m^3)	Maximum Modelled Concentration (µg/m^3)	Sensitive / Critical Receptor	Cumulative Concentration (µg/m^3)	AAQC/ CAAQS (µg/m^3)	Standard Source	Max POI % of AAQC/ CAAQS	Cumulative% of AAQC/ CAAQS
Acrolein	1	90th	0.131	0.015	SR69	0.146	4.50	AAQC	0%	3%
	24	90th	0.0540	0.00305	SR68	0.0570	0.400	AAQC	1%	14%
Benzene	24	90th	0.704	0.0721	SR38	0.776	2.30	AAQC	3%	34%
	Annual	Mean	0.410	0.0204	SR38	0.431	0.450	AAQC	5%	96%
Benzo(a)pyrene	24	90th	1.18E-04	3.76E-05	SR38	1.55E-04	5.00E-05	AAQC	75%	310%
	Annual	Mean	5.61E-05	1.06E-05	SR38	6.67E-05	1.00E-05	AAQC	106%	667%
1,3-Butadiene	24	90th	0.0490	Beyond the year 2040, MOVES Emission Factor for this contaminant is 0		0.0490	10.0	AAQC	-	0%
	Annual	Mean	0.0278			0.0278	2.00	AAQC	-	1%
Formaldehyde	24	90th	2.41	0.973	SR68	3.38	65.0	AAQC	1%	5%

Notes:

(1) NO_2 is represented using the MOVES emissions rate for NOx, converted to NO_2 using the ozone limiting method.

(2) Air Quality Threshold for fine particulate ($PM_{2.5}$) is based on the 98th percentile ambient measurement (24-hour), annually averaged over three years. This standard is referenced from the appropriate year of the Canadian Ambient Air Quality Standards (CAAQs). The CAAQs are voluntary objectives.

(3) 1 hour, 8 hour, and 24 hour ambient concentrations for the contaminants were obtained from the 90th percentile of hourly measurements from representative Air Quality monitoring stations. Annual ambient concentrations for the contaminants were obtained from the mean measurements from the representative Air Quality monitoring stations.

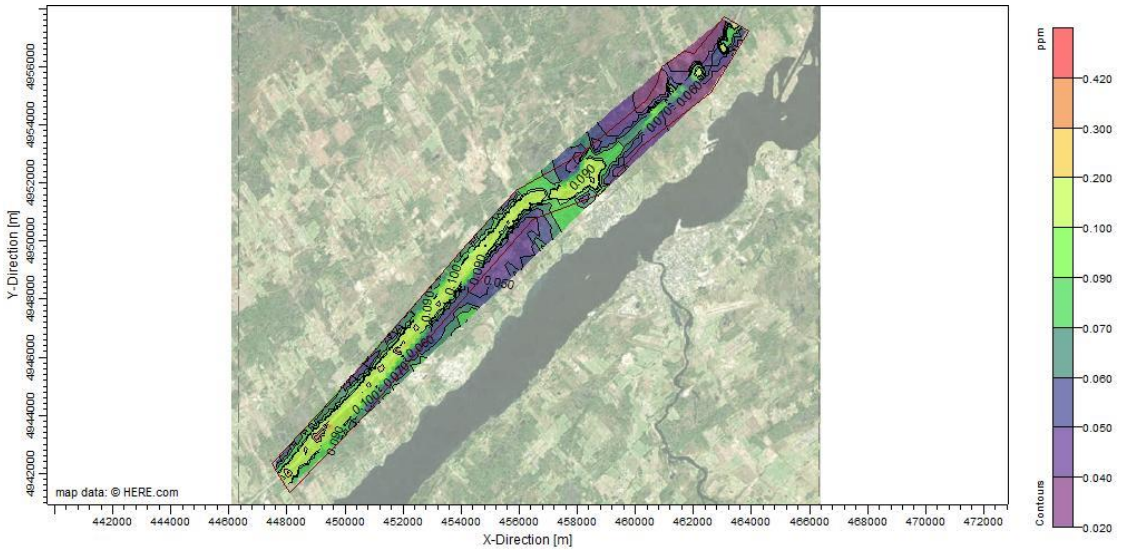
*(4) The annual maximum impacts presented in **Appendix I** reflect the average of all five years of meteorological data, rather than the highest predicted impact of each of the five year's individual annual average, as reflected in **Table 6-3**. The locations of maximum concentration impacts are shown in isopleth figures compiled in **Appendix J**.*

*(5) Exceedances to Air Quality thresholds are shown in **red**. The exceedances presented in this table are the maximum modelled POI concentrations at SR30, located along Highway 401 near County Rd 15, and at SR38, located along Highway 401 near County Rd 15.*

6.1.4 Predicted Cumulative Concentrations: Results Discussion

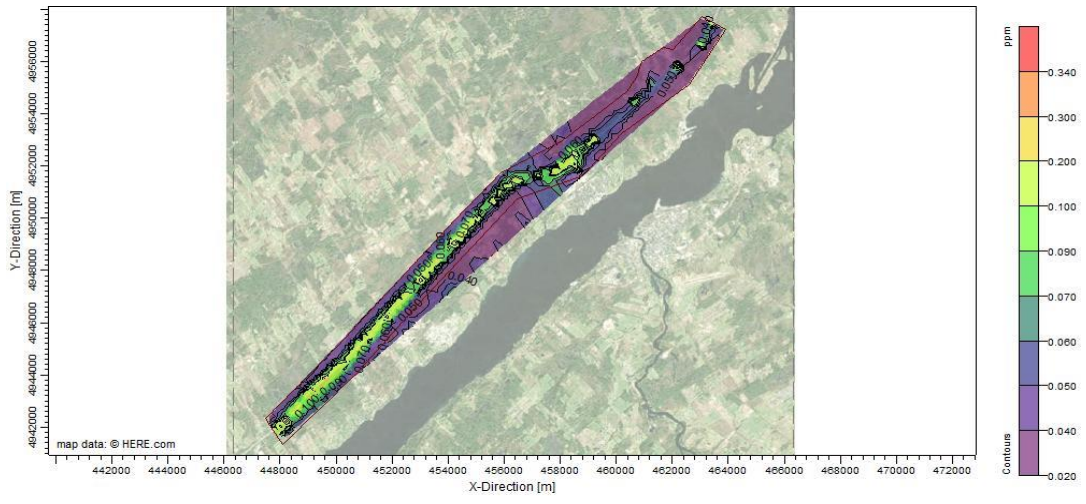
The following contaminants are predicted to exceed the federal and/or provincial standards within the Future Build Conditions: nitrogen dioxide (NO_2) at the 1-hour and annual averaging periods, particulate matter ($PM_{2.5}$) at the annual averaging period, and benzo(a)pyrene at the 24-hour and annual averaging periods. **Figure 6-1** and **Figure 6-2** show the isopleth contour map for NO_2 at the 1-hour averaging period in the Future Build scenario, and NO_2 at the 1-hour averaging period in the Future No-Build scenario, respectively.

Figure 6-1: Isoconcentration Contours for NO_2 in the Future Build Scenario



Note: Concentration contours are shown in units of ppm, and a multiplier of 10 has been applied. Background concentrations are considered.

Figure 6-2: Isoconcentration Contours for NO_2 in the Future No-Build Scenario



Note: Concentration contours are shown in units of ppm, and a multiplier of 10 has been applied. Background concentrations are considered.

To see variations in highest impact locations throughout the Study Area, side by side comparison of each contaminant isopleth contours for Future No-Build and Future Build conditions are displayed in **Appendix J**. **Figure 6-1** and **Figure 6-2**, as well as the remaining isopleth figures in **Appendix J** demonstrate how areas of highest impact remain concentrated along Highway 401 with slight variations of concentrations surrounding the community of Johnstown and Edwardsburg, between Highway 416 and Highway 16.

A general comparison is shown in **Table 6-4** to highlight the variance in impacts for all contaminants due to the Future Build Conditions compared to Existing Conditions and Future No-Build Conditions. The maximum concentrations at the most impacted receptors were considered for each contaminant to demonstrate the change in impact from one condition to another.

The modelled results at the three most impacted sensitive receptors, SR68, SR38, and SR30 from the Future Build Conditions are compared to the modelled results from Existing Conditions and Future No-Build Conditions in **Table 6-5**, **Table 6-6**, and **Table 6-7** for a direct comparison of maximum concentrations for the same receptors.

In general terms, the main findings from the dispersion modelling results are two key points:

1. Impacts from the Future Build Conditions with the reconfiguration and widening of Highway 401 on a cumulative basis within the Air Quality Study Area increases in comparison to a No-Build scenario for several contaminants and their respective averaging periods. This is predominately due to the anticipated increase in traffic along Highway 401 from this project.

2. The impacts are modelled at receptor locations closest to Highway 401 (SR68, SR60 and SR30). For many contaminants, the most impacted receptors in the Future Build Condition are concentrated along Highway 401 West between County Rd 15 and Edward Street North.

Table 6-4: Comparison of Maximum Concentration and Representative Existing, Future No Build, and Future Build Conditions

Contaminant	Averaging Period (hr)	Existing Conditions (µg/m^3)	Sensitive / Critical Receptor	Future No-Build Conditions (µg/m^3)	Sensitive / Critical Receptor	Future Build Conditions (µg/m^3)	Sensitive / Critical Receptor	% Change from Existing Conditions	% Change from Future No-Build Conditions
NO_2[6]	1	137	SR63	92.7	SR68	113	SR30	-18%	22%
	24	83.9	SR38	24.3	SR68	53.8	SR47	-36%	121%
	Annual	30.5	SR21	4.02	SR68	15.2	SR31	-50%	278%
CO[7]	1	2006	SR21	1945	SR63	2861	SR30	43%[1]	47%
	8	895	SR38	895	SR47	1346	SR47	50%[1]	51%
SO_2[8]	1	1.26	SR63	1.01	SR63	1.43	SR30	13%[2]	41%
	10 min	2.08	SR63	1.67	SR63	2.35	SR30	13%[2]	41%
	Annual	0.0666	SR21	0.0481	SR38	0.0720	SR38	8%[2]	50%
PM_{10}[9]	24	19.2	SR68	20.8	SR68	17.2	SR67	-10%	-17%[3]
$PM_{2.5}$[10]	24	5.30	SR68	4.79	SR68	3.83	SR67	-28%	-20%[4]
	Annual	1.45	SR21	0.902	SR21	0.711	SR64	-51%	-21%[4]
Acetaldehyde[11]	30 min[11]	4.65	SR63	3.52	SR68	4.18	SR69	-10%	19%
	24	0.786	SR68	0.702	SR68	0.833	SR68	6%[5]	19%
Acrolein[12]	1	0.201	SR21	0.00807	SR69	0.0146	SR69	-93%	81%
	24	0.0443	SR21	0.00219	SR68	0.00305	SR68	-93%	39%
Benzene[13]	24	0.400	SR38	0.0496	SR38	0.0721	SR38	-82%	45%
	Annual	0.140	SR21	0.0138	SR38	0.0204	SR38	-85%	48%
Benzo(a) Pyrene[14]	24	2.35E-04	SR38	2.67E-05	SR38	3.76E-05	SR38	-84%	41%
	Annual	8.04E-05	SR21	7.43E-06	SR38	1.06E-05	SR38	-87%	43%
1,3-Butadiene	24	0.0542	SR38	Beyond the year 2040, MOVES Emission Factor for this contaminant is 0					
	Annual	0.0189	SR21						
Formaldehyde[15]	24	1.14	SR68	0.824	SR68	0.973	SR68	-15%	18%

Notes:

(1) A 43% increase in impacts for the 1-hr averaging period for NO_2 between Future Build Conditions and Existing Conditions is primarily due to an increase in traffic amounts from Future Build Conditions (SR30) to Existing (SR21). For the annual averaging period, a 50% increase in impacts for NO_2 between Future Build Conditions and Existing Conditions is primarily due to an increase in traffic amounts from Future Build Conditions (SR47) to Existing (SR38).

(2) A 13% increase in impacts for the 1-hr and 10-min averaging period for SO_2 between Future Build Conditions and Existing Conditions is primarily due to an increase in traffic amounts from Future Build Conditions (SR30) to Existing (SR63). For the annual averaging period, an 8% increase in impacts for SO_2 between Future Build Conditions and Existing Conditions is primarily due to an increase in traffic amounts from Future Build Conditions (SR38) to Existing (SR21).

(3) A 17% decrease in impacts for PM_{10} (24-hr averaging period) between Future No Build (SR68) and Future Build (SR67) Conditions is due to the culmination of the following factors:

- *In the Future No Build Condition, the trucks accounted for 17% of the total traffic, whereas in the Future Build Condition the trucks accounted for only 15% of the total traffic.*
- *Given the disproportional truck traffic, a 6.6% decrease in the Emission Factor for PM10 in Future Build Condition was observed.*
- *In the Future Build Condition, the ramp from Edward St (N/S) to HWY 401 (E) shifted approximately 50 m away from these receptors, when compared to the Future No Build Condition.*
- *Due to an increase in traffic volumes between conditions, a lower silt loading had to be used for the road dust emission factors which contributed to the 17% decrease.*

(4) In the case of $PM_{2.5}$ a 20% decrease in impacts for the 1-hr averaging period and 21% decrease in impacts for the annual averaging period between Future Build Conditions and Future No Build Conditions was observed. This is because a portion of the $PM_{2.5}$ emission rate is governed by the silt loading factors on roads. As per the recommended silt loading factors by the MTO Guidance (Table 6), the silt loading factor decreases with increased traffic amounts. With elevated traffic amounts in the Future Build Condition, a lower silt loading factor was used when compared to that of Future No Build Condition.

(5) Even though emission rates decreased from Existing to Future Build conditions, a 6% increase in impacts for Acetaldehyde between Future Build and Existing Conditions is shown primarily due to a 104% increase in traffic amounts from Existing (SR68) to Future Build (SR68) conditions.

(6) The concentration contours for NO_2 result in a higher impact at specific receptor SR30, located 47 m from Highway 401, for 1-hr averaging period. For 24-hr averaging period, the highest impact is located at SR47, 50 m from Highway 401. For annual averaging period, the highest impact is located at SR31, 50 m from Highway 401.

(7) The concentration contours for CO result in a higher impact at receptor SR30, located 47 m from Highway 401, for 1-hr averaging period and SR47, located 50 m from Highway 401, for 8-hr averaging period.

(8) The concentration contours for SO_2 result in a higher impact at receptor SR30, located 50 m from Highway 401, for 1-hour and 10-min averaging periods. For annual averaging period, the highest impact is located at SR38, located 50 m from Highway 401.

(9) The concentration contours for PM_{10} result in a higher impact at receptor SR67, located 80 m from Edward St N, for 24-hr averaging period.

(10) The concentration contours for $PM_{2.5}$ result in a higher impact at the receptor SR67, located 80 m from Edward St, for 24-hour averaging period. For annual averaging period, the highest impact is located at SR64, 64m from Highway 401.

(11) The concentration contours for Acetaldehyde result in a higher impact at receptor SR69 and SR68, both located 30 m from Edward St N, for 30-min and 24-hour averaging period, respectively. Acetaldehyde 30-min concentration is calculated using 1-hour average concentration, the impacts of which differ from that of the 24-hour averaging period.

(12) The concentration contours for Acrolein result in a higher impact at receptors SR69 and SR68, located 30 m from Edward St N, for 1-hr and 24-hr averaging periods, respectively.

(13) The concentration contours for Benzene result in a higher impact at receptor SR38, located 35 m from Highway 401, for all averaging periods.

(14) The concentration contours for BaP result in a higher impact at receptor SR38, located 35 m from Highway 401, for all averaging periods.

(15) The concentration contours for Formaldehyde result in a higher impact at receptor SR68, located 30 m from Edward St N, for 24-hr averaging period.

*(16) Irregularities are shown in **red** and further information is provided in notes above.*

Table 6-5: Comparison of Maximum Concentration and Representative Existing, Future No Build, and Future Build Conditions for Sensitive Receptor No. 68 (250m Distance from Highway 401)

Contaminant	Averaging Period (hr)	Existing Conditions (µg/m^3)	Future No-Build Conditions (µg/m^3)	Future Build Conditions (µg/m^3)	% Change from Existing Conditions	% Change from Future No-Build Conditions
NO_2	1	109	92.7	97.0	-11%	5%
	24	69.2	24.3	18.8	-73%	-23%
	Annual	14.8	4.02	5.39	-64%	34%
CO	1	1219	953	1411	16%	48%
	8	501	446	431	-14%	-3%
SO_2	1	0.618	0.495	0.703	14%	42%
	10 min	1.02	0.818	1.16	14%	42%
	Annual	0.0299	0.0269	0.0369	23%	37%
PM_{10}	24	19.2	20.8	14.4	-25%	-31%
$PM_{2.5}$	24	5.30	4.79	3.20	-39%	-33%
	Annual	0.941	0.676	0.651	-31%	-4%
Acetaldehyde	30 min	3.68	3.52	4.11	12%	17%
	24	0.786	0.702	0.833	6%	19%
Acrolein	1	0.122	0.00771	0.00891	-93%	16%
	24	0.035	0.00219	0.00305	-91%	39%
Benzene	24	0.373	0.0442	0.0647	-83%	46%
	Annual	0.0699	0.00951	0.0135	-81%	42%
Benzo(a) pyrene	24	2.25E-04	1.62E-05	2.41E-05	-89%	50%
	Annual	4.30E-05	3.74E-06	5.31E-06	-88%	42%
1,3-Butadiene	24	0.0478	Beyond the year 2040, MOVES Emission Factor for this contaminant is 0			
	Annual	0.00946				
Formaldehyde	24	1.14	0.824	0.973	-15%	18%

Table 6-6: Comparison of Maximum Concentration and Representative Existing, Future No-Build, and Future Build Conditions for Sensitive Receptor No. 38 (35m Distance from Highway 401)

Contaminant	Averaging Period	Existing Conditions ($\mu g/m^3$)	Future No-Build Conditions ($\mu g/m^3$)	Future Build Conditions ($\mu g/m^3$)	% Change from Existing Conditions	% Change from Future No-Build Conditions
NO_2	1	129	68.2	106	-18%	56%
	24	83.9	13.6	51.5	-39%	279%
	Annual	26.6	3.77	14.5	-46%	284%
CO	1	1688	1662	2452	45%	48%
	8	895	889	1327	48%	49%
SO_2	1	1.08	0.869	1.23	14%	42%
	10 min	1.78	1.43	2.03	14%	42%
	Annual	0.0596	0.0481	0.0720	21%	50%
PM_{10}	24	6.86	6.14	7.60	11%	24%
$PM_{2.5}$	24	2.86	1.59	2.07	-28%	30%
	Annual	0.802	0.446	0.590	-26%	32%
Acetaldehyde	30 min	3.98	2.91	3.30	-17%	14%
	24	0.650	0.477	0.561	-14%	18%
Acrolein	1	0.169	0.00635	0.00940	-94%	48%
	24	0.0327	0.00124	0.00192	-94%	55%
Benzene	24	0.400	0.0496	0.0721	-82%	45%
	Annual	0.111	0.0138	0.0204	-82%	48%
Benzo(a) pyrene	24	2.35E-04	2.67E-05	3.76E-05	-84%	41%
	Annual	6.51E-05	7.43E-06	1.06E-05	-84%	43%
1,3-Butadiene	24	0.0542	Beyond the year 2040, MOVES Emission Factor for this contaminant is 0			
	Annual	0.0150				
Formaldehyde	24	1.00	0.563	0.663	-34%	18%

Table 6-7: Comparison of Maximum Concentration and Representative Existing, Future No-Build, and Future Build Conditions for Sensitive Receptor No. 30 (47m distance from Highway 401)

Contaminant	Averaging Period	Existing Conditions (µg/m^3)	Future No-Build Conditions (µg/m^3)	Future Build Conditions (µg/m^3)	% Change from Existing Conditions	% Change from Future No-Build Conditions
NO_2	1	132	72.4	113	-15%	56%
	24	83.0	12.2	53.8	-35%	342%
	Annual	21.2	2.89	15.2	-28%	426%
CO	1	1771	1783	2861	62%	61%
	8	682	686	1097	61%	60%
SO_2	1	1.15	0.926	1.43	24%	54%
	10 min	1.89	1.53	2.35	24%	54%
	Annual	0.0475	0.0365	0.0605	27%	66%
PM_{10}	24	6.09	5.59	7.14	17%	28%
$PM_{2.5}$	24	2.59	1.48	1.98	-23%	34%
	Annual	0.683	0.393	0.533	-22%	36%
Acetaldehyde	30 min	4.22	3.10	3.80	-10%	23%
	24	0.592	0.427	0.540	-9%	27%
Acrolein	1	0.177	0.00671	0.0108	-94%	61%
	24	0.0301	0.00112	0.00186	-94%	66%
Benzene	24	0.364	0.0446	0.0696	-81%	56%
	Annual	0.0896	0.0107	0.0174	-81%	63%
Benzo(a) pyrene	24	2.13E-04	2.40E-05	3.62E-05	-83%	51%
	Annual	5.23E-05	5.67E-06	8.97E-06	-83%	58%
1,3-Butadiene	24	0.0493	Beyond the year 2040, MOVES Emission Factor for this contaminant is 0			
	Annual	0.0121				
Formaldehyde	24	0.914	0.504	0.638	-30%	27%

6.1.5 Cumulative Frequency Analysis

A cumulative frequency analysis was conducted to estimate the potential period of exposure for the predicted 1-hour NO_2, and 24-hour benzo(a)pyrene at the worst-case impacted sensitive receptor. These contaminants are predicted to exceed their respective provincial limit at the most impacted sensitive or critical receptor in the modelling of the Future Build Conditions.

Each of the following figures show the percentage of time that the highest impacted receptor is experiencing concentrations of NO_2, and benzo(a)pyrene from both the project's contribution and the contribution from the background ambient air quality, in relation to the respective federal or provincial limit. These figures should be viewed as a visual aid representing the relative impacts from each of the contributing sources.

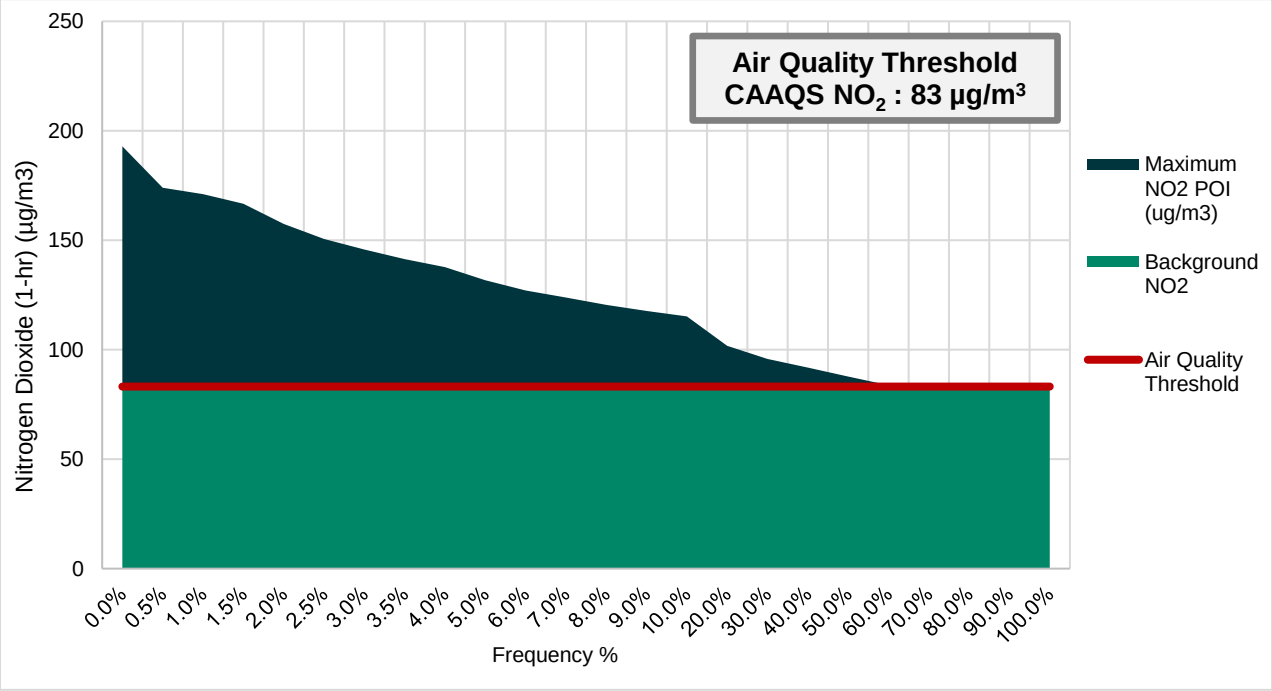
6.1.5.1 1-Hour Average NO_2 Impacts for Future Build Conditions

Figure 6-3 shows the cumulative frequency analysis curve representing the percentage of time at which the most impacted sensitive receptor (SR30) is experiencing a concentration of NO_2 averaged over 1-hour, in relation to the federal CAAQS limit.

The figure also illustrates the separate contribution from the project sources and from the background air quality. The figure highlights the following points:

- 62% of the hours have a cumulative concentration above the CAAQS limit.
- The background level of NO_2 (1-hour) contributes approximately 99% of the CAAQS.

Figure 6-3: Future Build Cumulative Frequency Analysis (SR30) 1-hr NO_2



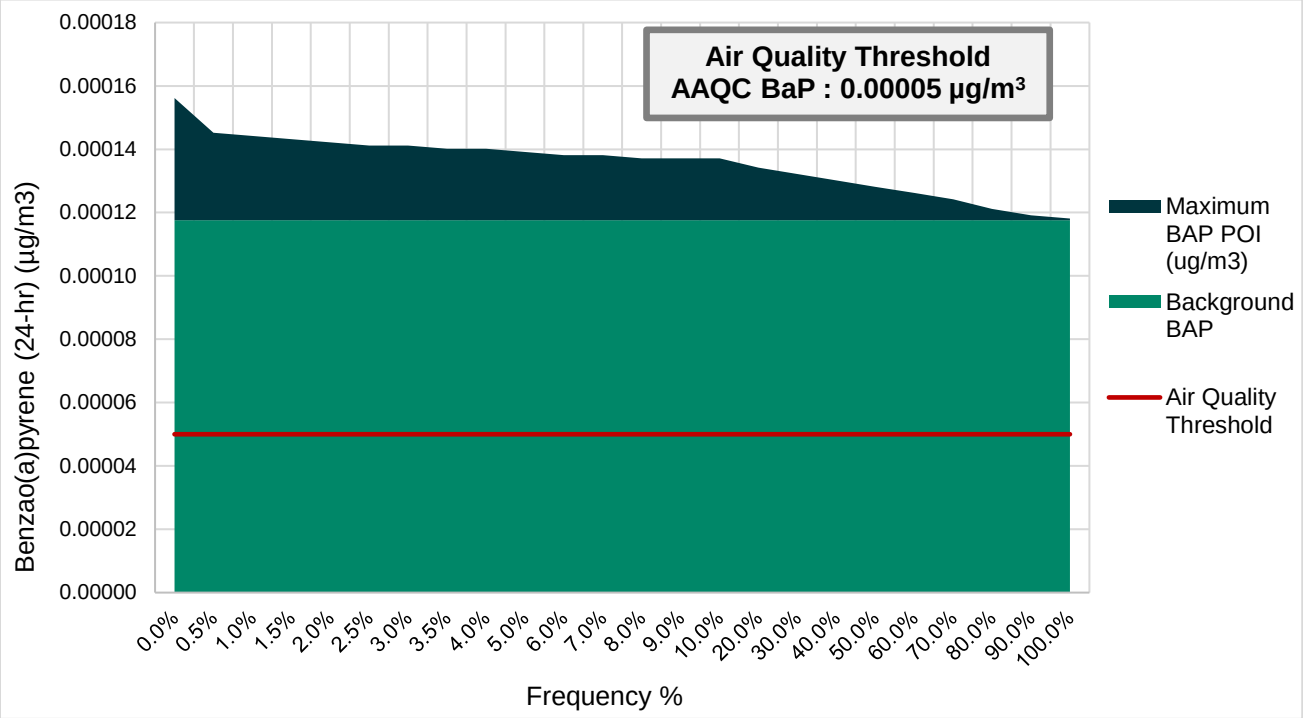
6.1.5.2 24-Hour Average Benzo(a)pyrene Impacts for Future Build Conditions

Figure 6-4 shows the cumulative frequency analysis curve representing the percentage of time at which the most impacted receptor (SR38) is experiencing a concentration of Benzo(a)pyrene averaged over 24-hour, in relation to the AAQC limit.

The figure also illustrates the separate contribution from the project sources and from the background air quality. The figure shows the following:

- 100% of hours have a cumulative concentration above the AAQC.
- The background level of Benzo(a)pyrene (24-hour) contributes approximately 235% of the AAQC.

Figure 6-4: Future Build Cumulative Frequency Analysis (SR38) 24-hr Benzo(a)pyrene



6.2 Assessment of Modelling Results through a Regional Analysis

An emission burden analysis was conducted to estimate the total annual amount of CAC and GHG emissions from the Future Build Conditions in order to determine the project's regional impact. This analysis was conducted by comparing the net emissions from the Study Area to the transportation sector emissions in Ontario and Canada. The analysis focused on criteria air contaminants NO_2, CO, SO_2, and $PM_{2.5}$ which are

contributors to smog, as well as GHGs. **Table 6-8** provides a comparison of the criteria air contaminants' contributions from the project to the Ontario and Canada transportation sector, excluding Air Transportation, Domestic Marine Navigation, Rail Transportation, and Off-Road Vehicles as defined by the Environment Canada Air Pollutant Emission Inventory (APEI).

Table 6-8: Regional Emissions CAC Burden Analysis

Contaminant	Annual Emissions Future Build (2051) (Tonnes)	Ontario Emissions 2021 (Tonnes) [1]	Canada Emissions 2021 (Tonnes)[1]	Ontario Project Contributions (%)	Canada Project Contributions (%)
CO	15,711	305,573	974,792	5.14%	1.61%
NO_2	685	42,474	163,696	1.61%	0.42%
SO_2	8	183	516	4.51%	1.59%
PM2.5	87	1,706	6,228	5.10%	1.40%

Notes:

(1) Canada's air pollutant emissions inventory (APEI) - Open government Portal. Available electronically at: https://open.canada.ca/data/en/dataset/fa1c88a8-bf78-4fcb-9c1e-2a5534b92131

6.2.1 Greenhouse Gas Assessment

Mobile vehicles emit the following greenhouse gases (GHGs) in significant amounts:

- Carbon dioxide (CO_2)
- Methane (CH_4); and
- Nitrous oxide (N_2O).

Total GHG emissions were calculated using a combination of MOVES emission rates and total annual vehicle usage projections for the project sources of air quality contaminant emissions. MOVES is capable of calculating atmospheric carbon dioxide (CO_2), methane (CH_4), and nitrous oxide (N_2O) emissions varying with vehicle class, speed, and emission process type (i.e., running emissions, starting emissions, etc.).

Annual total GHG emissions were calculated by combining the grams per vehicle-mile-travelled (g/VMT) emission rates derived from MOVES County Scale output for each of the GHG pollutants with the projected annual source vehicle usage and source length (in miles) to extrapolate an annual emission.

Individual greenhouse gases have differing abilities to absorb heat in the atmosphere. These varying heat absorption properties are quantified by an individual global warming potential (GWP) factor for each contaminant which converts the mass of a GHG to the representative equivalent mass of CO_2 ($CO_{2\,eq}$).

The GWPs are calculated based on the amount of heat trapping potential that would result from the emission of 1 kg of a given GHG to the emission of 1 kg of CO_2. GWPs for various GHG compounds are defined by Environment Canada in their *Technical*

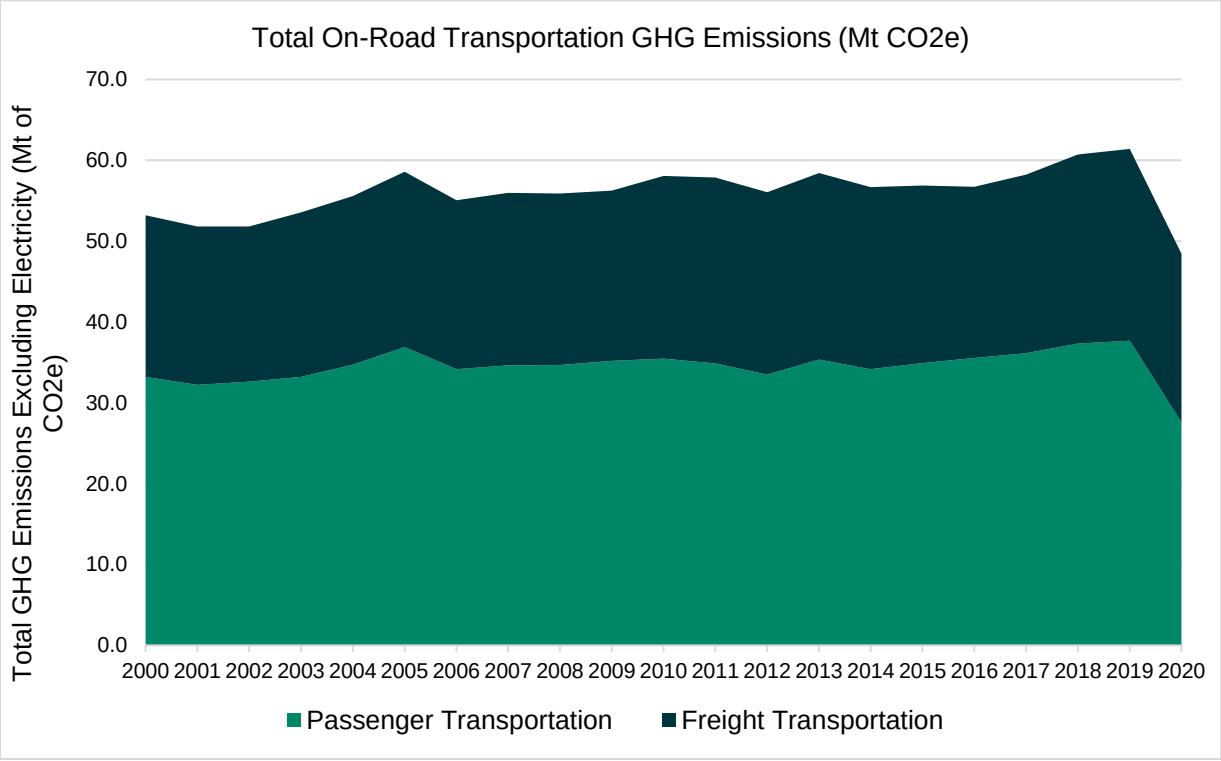
Guidance on Reporting Greenhouse Gas Emissions (2023) document, summarized for compounds of interest below in **Table 6-9**.

Table 6-9: Greenhouse Gas 100-year Global Warming Potentials

Greenhouse Gas	100-year GWP
Carbon dioxide (CO_2)	1
Methane (CH_4)	28
Nitrous oxide (N_2O)	265

Currently, there are no GHG emission standards in Canada or the United States on a per-source basis. However, National Resources Canada reports annual GHG emissions for various industrial sectors, including the Transportation sector. **Figure 6-5** below shows historical annual trend of GHG emissions from the transportation sector from 2000 to 2020, in Megatonnes (Mt) of $CO_{2\ eq}$.

Figure 6-5: Trends in GHG Ontario Transportation Sector Emissions (2000-2020), National Resources Canada



Source: National Resources Canada - Comprehensive Energy Use Database: Table 8: GHG Emissions by Transportation Mode[6]

[6] *Table 8 "GHG Emissions by Transportation Mode" from Natural Resource Canada's Transportation Sector (Ontario) annual reporting database (2000 – 2020). Available electronically at: https://oee.nrcan.gc.ca/corporate/statistics/neud/dpa/showTable.cfm?type=CP&sector=tran&juris=on&rn=8&page=0*

The project contributions of GHG in the Future Build year (2051) were compared to the 2021 $CO_{2\ eq}$ contributions from the Ontario Transportation sector, shown below in **Table 6-10**.

Table 6-10: Greenhouse Gas Project Contribution Regional Assessment

Contaminant	Future Build (Year 2051) (Mt) [1]	Ontario 2021 Reported GHG Emissions for the Transportation Sector [3] (Mt CO2 eq.)	% Future Build Project Contribution
Carbon dioxide (CO_2)	1.91	-	-
Methane (CH_4)	3.52E-03	-	-
Nitrous Oxide (N_2O)	1.45E-04	-	-
CO_2 equivalent [2]	2.04	45.1[3]	4.53%

Notes:

(1) Mt = Megatonnes
(2) CO_2 equivalent was calculated for the Future Build Condition using GWP conversion for N_2O and CH_4 (265 and 28, respectively
(3) National Resource Canada: Table 8 "GHG Emissions by Transportation Mode", Comprehensive Energy Use Database (accessed January 2024), excluding off-road, air, rail, and marine emissions.

As shown above, the project GHG contributions are less than 5% compared to the total Transportation 2021 CO_2eq emissions.

6.3 Construction Air Quality Impacts

Construction activity creates and releases fine particulates (fugitive dust) and other vapours into the surrounding community, including diesel combustion exhaust, asphalt volatile contaminant emissions, etc. Emissions from construction activity are temporary and unlikely to have long-lasting effects on the surrounding area.

Fugitive dust emissions can result from movement of construction equipment and transport of materials to and from a construction site. Fugitive dust would generally be a problem during periods of intense construction activity and would be accentuated by windy and/or dry conditions.

Construction activities which potentially prove most impactful to the local air quality include, but are not limited to:

- Clearing and grubbing
- Grading and rock blasting
- Road and surface paving
- Storage of granular material
- Structure construction/ deconstruction, and
- Mobile on-site equipment.

Construction activities will result in temporary traffic disruption and detour, which can lead to increased traffic congestion, thereby increasing motor vehicle exhaust emissions on nearby roadways, and could result in elevated localized pollutant concentrations.

Construction equipment operating by diesel fuel combustion or other fuel type combustion emit exhaust contaminants during their operation. Compared with

emissions from other motor vehicle sources in the Study Area, emissions from construction equipment and trucks are generally insignificant with respect to compliance with the provincial and federal ambient air quality standards.

6.3.1 Construction Equipment and Vehicle Exhaust

Environment Canada adopted amendments to the Off-Road Compression-Ignition Engine Emission Regulations which align Canadian emission standards with the U.S. EPA Tier 4 standards for non-road engines, including the emission limits, testing methods and effective dates.

The Regulations Amending the Off-Road Compression-Ignition Engine Emission Regulations (the Amendments) impose stricter standards and new requirements starting with engines of the 2012 and later model years.

All equipment and vehicles should be kept properly maintained and repaired to minimize exhaust emissions, including odours.

Excessive idling of vehicles and equipment (greater than five minutes) should be minimized. Other potential mitigation measures may include the use of alternative-fuelled or electric equipment where feasible.

6.3.2 Fugitive Dust

Implementing good practices including wetting exposed earth areas; covering dust-producing materials during transport; and limiting construction activities during high wind conditions will minimize the impacts of fugitive dust. Potential mitigation measures that may be employed by the construction contractor to reduce fugitive dust issues include:

- Seeding, paving, covering, wetting, or otherwise treating disturbed soil surfaces
- Minimizing storage and unnecessary transfers of spoils and debris on-site
- Using wind screens or fences
- Covering all truckloads of dust-producing material
- Removing all loose or unsecured debris or materials from empty trucks prior to leaving the site
- Reducing traffic speeds on any unpaved surfaces
- Vacuum sweeping or water truck spraying of all paved surfaces and roadways on which equipment and truck traffic enter and leave the construction areas
- Using wheel washes and truck washes at site egresses, and
- Modifying work schedules when weather conditions could lead to adverse impacts (e.g., very dry soil and high winds).

Fugitive dust from construction activities can be managed through implementation of an Air Quality Management Plan, where mitigation measures are specified for the planned construction activities and implemented on an as-needed basis.

6.4 Summary of Potential Effects and Mitigation Measures

6.4.1 Proposed Mitigation for Construction Activity

Exposure to construction-related emissions can be mitigated by the following:

- Determining that mobile equipment is in good condition, properly and regularly maintained, and compliant with applicable federal and provincial regulations for off-road diesel engines
- Determining that all machinery is maintained and operated in accordance with manufacturer's specification
- Locating stationary equipment (generators, compressors, etc.) as far away from sensitive receptors as practical
- Minimizing idling time and posting signage to this effect around the construction site
- Determining that stationary and mobile equipment are not operated during early morning (before 6 AM, or sunrise) or evening periods (after 8 PM, or sunset) as often as practical
- Implementing the use of non-chloride dust suppressants
- Temporary seeding or mulching and compression of bare soil and storage piles to reduce erosion
- Implementing an Air Quality Management Plan for the duration of the construction phase, which includes practices to minimize fine particulate release from mobile equipment, materials handling, and wind erosion, and
- Assessing that the areas most impacted by particulate levels are vegetated (e.g., tree planting) or other types of screening/barriers may be considered where possible between the source of emission and the impacted receptor(s) to reduce the cumulative particulate impacts.

Site supervisors during the construction phase should monitor the site for wind direction and weather conditions to ensure that high-impact activities be reduced when the wind is blowing consistently towards nearby sensitive receptors. The site supervisor should also monitor for visible fugitive dust and take action to determine the root-cause in order to counteract this. Specific details to this effect should be included in the Air Quality Management Plan.

It is further recommended that mitigation measures detailed in "*Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities (March 2005)"* prepared by Cheminfo for Environment Canada be implemented, where practical.

6.4.2 Potential Mitigation for Project Contribution

The individual impacts from the proposed project emissions on the local air quality are a result of contributions from both idling vehicles and travelling vehicles within the Study Area. These emissions from roadways and idling vehicles are released with little upward dispersion capacity and are therefore expected to dissipate with increasing distance from the emission source. Areas of concentrated emission impact are influenced by traffic volumes along a given segment of roadway.

Potential mitigation actions to counteract the project emission impacts are limited due to the project's projected increase in vehicular travel along Highway 401. Increased percentage of electric vehicles and fuel-efficient vehicles within the vehicular fleet can provide significant CAC and GHG reduction in the short to medium term. The introduction and increasing popularity and affordability of hybrid and full electric vehicles, as well as transit authority led initiatives to increase the percentage of fuel efficient and hybrid vehicles will continue to reduce emission impacts from vehicles in the future.

As suggested within **Section 6.4.1**, areas affected by airborne particulates may be benefited by introducing vegetation (e.g., trees, shrubbery, etc.) or other types of screening/barriers may be considered to help reduce cumulative particulate impacts during the operational phase. Vegetation would be best placed, where feasible, between sources of emission (i.e., roadways) and impacted receptor(s).

7. Summary of Environmental Commitments

7.1 1987 Approved Environmental Assessment Commitments

Air quality was not considered a technical factor in the 1987 Approved Environmental Assessment, and therefore, the 1987 Approved Environmental Assessment did not include an air quality assessment or description of air quality commitments.

7.2 Preliminary Design Commitments

Impacts to air quality and proposed mitigation measures, monitoring activities and commitments identified during this air quality assessment are summarized in **Table 7-1** below.

Table 7-1: Summary of Preliminary Design Environmental Concerns and Commitments

ID	Issues / Concerns / Potential Effects	Concerned Agencies	ID	Mitigation, Protection, Monitoring, and Commitments
AQ-1.00	Operating Conditions: Increased Traffic Vehicular Emissions	Ministry of Transportation Ministry of Environment Conservation and Parks	AQ-1.01	Implementation of vegetation, where feasible, within the Study Area to decrease ground level dispersion of particulates.
			AQ-1.02	Continued promotion of increased electric vehicle purchase and infrastructure within Ontario.
			AQ-1.03	Carpool lots may also be included for the project which can facilitate ridesharing, transit and active transportation uses.
AQ-2.00	Construction Conditions: Vehicle Operation and Surface Particulate Disruption	Ministry of the Environment, Conservation and Parks, Ministry of Transportation	AQ-2.01	Define the project's air quality impact zone and identify all sensitive and critical receptors within this area.
			AQ-2.02	Assess the requirement for continuous monitoring during project construction.
			AQ-2.03	Provide mitigation measures and identify requirements for implementation of these measures.
			AQ-2.04	Include explicit commitment to implementation of applicable best practices identified Environment Canada's Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities (Cheminfo Services Inc., 2005) and the MECP' Technical Bulletin Management Approaches for Industrial Fugitive Dust Sources.
			AQ-2.05	If applicable, include a commitment to follow guidelines on hot mix asphalt outlined in the Ontario Hot Mix Producers Association's Environmental Practices Guide: Ontario Hot Mix Asphalt Plants, Fifth Edition (Ontario Hot Mix Producers Association, 2015).
			AQ-2.06	Develop a Communications Protocol and a Complaints Protocol in accordance with the Project Agreement.
			AQ-2.07	Regular reporting on any continuous monitoring reports, to be provided to the Ministry of the Environment Conservation and Parks (MECP) for their records.
			AQ-2.08	The construction related air contaminants of primary concern are in the form of particulate matter, with the fractions of $PM_{2.5}$ and PM_{10} - particulate matter of less than 2.5 and 10 micron in diameter, respectively. Other contaminants of concern include crystalline silica and oxides of nitrogen.
			AQ-2.09	Application of threshold "Action Level" triggers for implementation of specific and increasing intensity mitigation activities.
			AQ-2.10	If continuous monitoring is deemed necessary, on-site meteorological monitoring should be performed in conjunction with real-time continuous monitoring representative of receptor impacts.
			AQ-2.11	If continuous monitoring is deemed necessary, monitors should be placed both upwind and downwind of construction activities, where possible.
			AQ-2.12	If continuous monitoring is deemed necessary, baseline monitoring should be performed for a minimum of one week prior to construction activities
			AQ-2.13	If continuous monitoring is deemed necessary, siting of the monitors should generally follow the guidelines provided in the MECP Operations Manual for Air Quality Monitoring in Ontario (2018).

8. Conclusion and Recommendations

The results of the Air Quality Impact Assessment show that the addition of the proposed infrastructure will, overall, have a lower impact on the sensitive and critical receptors within the Study Area in comparison to Existing Conditions for most contaminants, and a higher impact in comparison to Future No-Build Conditions, depending on where a receptor is located along the route. This impact is due primarily to the traffic increase within the Study Area with a 35% increase in Highway 401 West between Sharpe's Ln and County Rd 15, a 16% increase in Highway 401 between Edward St N and Highway 16, and a slight decrease in traffic volumes for a few of the on-ramps, and off-ramps between Future No-Build and Future Build conditions. Highway 401 mainly shows an overall increase in traffic volume between Future No-Build and Future Build conditions. Most of the impacts on the sensitive and critical receptors are expected to be concentrated around Highway 401 between County Rd 15 and Edward Street North.

These impacts are seen at receptors close to Highway 401 on Edward St N (SR68), and Highway 401 on County Rd 15 (SR38 and SR30). The Air Quality Impact Assessment is limited to the boundaries of the Study Area, thus any additional alleviated congestion experienced by roads south of the study area are not captured in these results.

Air quality mitigation measures during the operational phase can include the following:

- Implementation of vegetation along the highway (such as plantings through screening and/or barriers), where feasible, within the Study Area primarily for the highest impact receptors mentioned above, to decrease ground level dispersion of particulates.
    - Several factors such as tree size, age, and species, affect how much they can absorb and should be considered when incorporating this mitigation measure.
- Carpool lots may also be included for the project which can facilitate ridesharing, transit and active transportation uses.
- Continued promotion of increased electric vehicle purchase and infrastructure within Ontario.

The expected decrease in the air quality impact from the Existing Conditions to Future Build Conditions is due primarily to anticipated improvements in vehicle combustion efficiency with older models retired from the vehicle fleet as years progress. Even with the implementation of the project, most CACs are expected to be below the respective provincial and federal air quality criteria.

There are two (2) CACs with modelled cumulative concentrations above the respective provincial and/or federal air quality criteria, specifically the 1-hour and annual averaging period of Nitrogen Dioxide (NO_2), and the 24-hour and annual averaging periods of Benzo(a)pyrene.

The exceedances of NO_2, and Benzo(a)pyrene are due predominately to elevated existing ambient air quality concentrations, which already exceed the provincial and/or federal air quality criteria prior to including the project contributions:

- NO_2 is at 232% (CAAQS 2025) and 162% (CAAQS 2020) of the CAAQS limit for the 1-hr averaging period and 125% for the annual averaging period.
- Benzo(a)pyrene is at 310% of the AAQC limit for the 24-hr period and at 667% for the annual averaging period.

However, even with these exceedances, when compared to Existing Conditions, the concentrations for these contaminants decrease in the Future Build Conditions.

Table 8-1 summarizes the modelled air quality impacts which are expected to result from the implementation of this project.

Table 8-1: Summary of Potential Impacts and Mitigation Options

Air Quality Condition	Potential Effect	Mitigation Measure(s)	Monitoring
Operating Conditions: Increased Traffic Vehicular Emissions	Increased NO_2, CO, SO_2, particulate, and VOC impact levels at nearby receptors.	• Implementation of vegetation (such as plantings through screening and/or barriers), where feasible, within the Study Area to decrease ground level dispersion of particulates. • Carpool lots may also be included for the project which can facilitate ridesharing, transit and active transportation uses. • Continued promotion of increased electric vehicle purchase and infrastructure within Ontario.	• No other specific monitoring implementation recommended at this time.
Construction Conditions: Vehicle Operation and Surface Particulate Disruption	Construction related air pollution include diesel combustion and particulate emissions. Odour and visible dust may cause public annoyance at existing sensitive receptors within the Study Area.	• Prior to commencement of construction, a detailed Construction Air Quality Management Plan (AQMP) will be developed. The AQMP will: ○ Define the project's air quality impact zone and identify all sensitive and critical receptors within this area. ○ Assess the requirement for continuous monitoring during project construction. ○ Provide mitigation measures and identify requirements for implementation of these measures. Examples of proposed mitigation measures are provided in **Section 6.4**. ○ Include explicit commitment to implementation of applicable best practices identified Environment *Canada's Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities*	• The Air Quality Management Plan will provide details on specific monitoring requirements during construction. The following should be considered during the development of the plan: ○ Regular reporting on any continuous monitoring reports, to be provided to the Ministry of the Environment Conservation and Parks (MECP) for their records. ○ The construction related air contaminants of primary concern are in the form of particulate matter, with the fractions of $PM_{2.5}$ and PM_{10} - particulate matter of less than 2.5 and 10 micron in diameter, respectively. Other contaminants of concern include crystalline silica and oxides of nitrogen. ○ Application of threshold "Action Level" triggers for implementation of specific and increasing intensity mitigation activities. ○ If continuous monitoring is deemed necessary, on-site meteorological

Air Quality Condition	Potential Effect	Mitigation Measure(s)	Monitoring
		(Cheminfo Services Inc., 2005) and the MECP' Technical Bulletin *Management Approaches for Industrial Fugitive Dust Sources*. ○ If applicable, include a commitment to follow guidelines on hot mix asphalt outlined in the Ontario Hot Mix Producers Association's Environmental Practices Guide: Ontario Hot Mix Asphalt Plants, Fifth Edition (Ontario Hot Mix Producers Association, 2015) ○ Develop a Communications Protocol and a Complaints Protocol in accordance with the Project Agreement.	monitoring should be performed in conjunction with real-time continuous monitoring representative of receptor impacts. ○ If continuous monitoring is deemed necessary, monitors both upwind and downwind of construction activities, where possible, should be placed. ○ If continuous monitoring is deemed necessary, baseline monitoring should be performed for a minimum of one week prior to construction activities. • If continuous monitoring is deemed necessary, siting of the monitors should generally follow the guidelines provided in the MECP *Operations Manual for Air Quality Monitoring in Ontario* (2018).

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Appendix A

Figures and Identified Sensitive and Critical Receptors within Study Area

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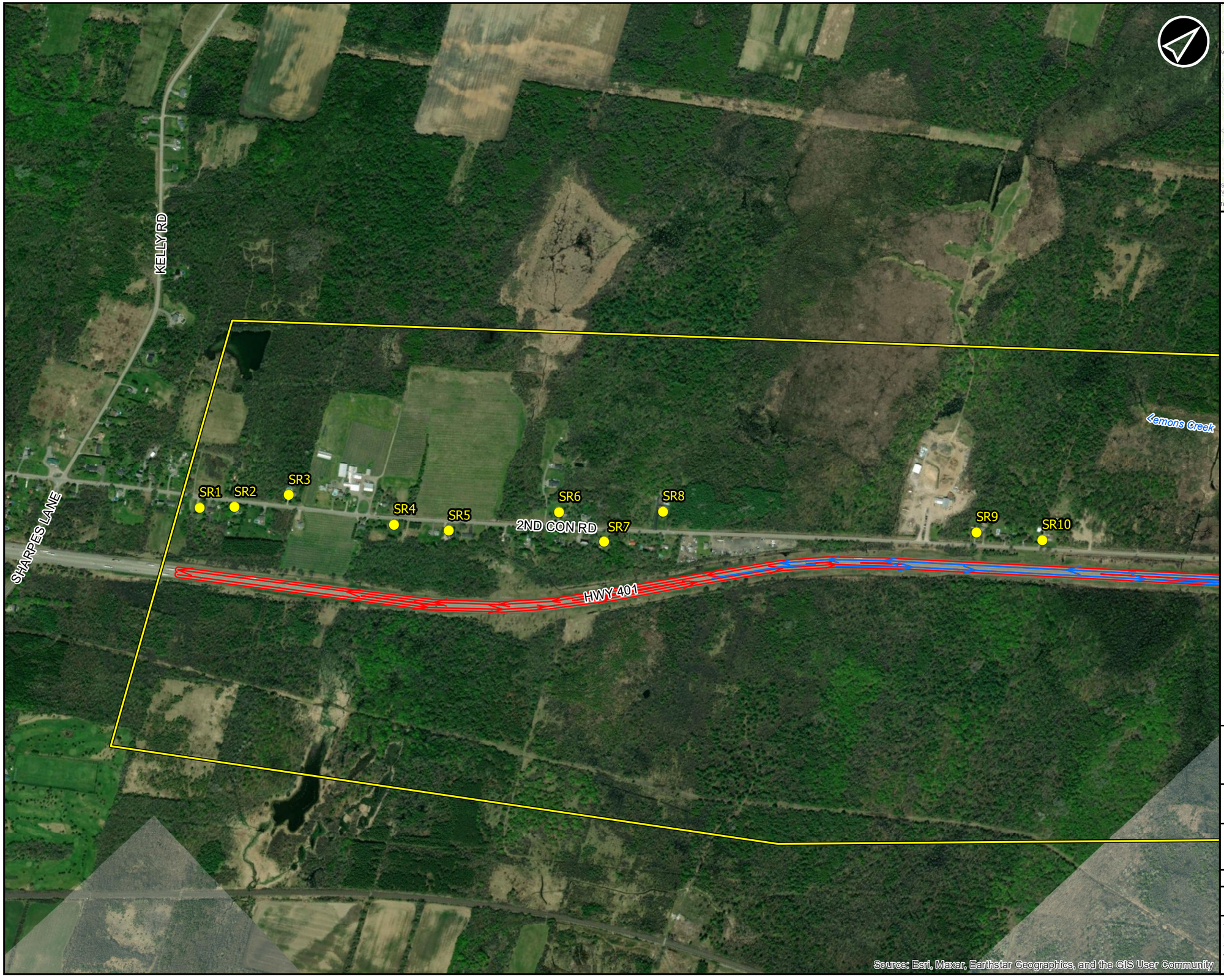
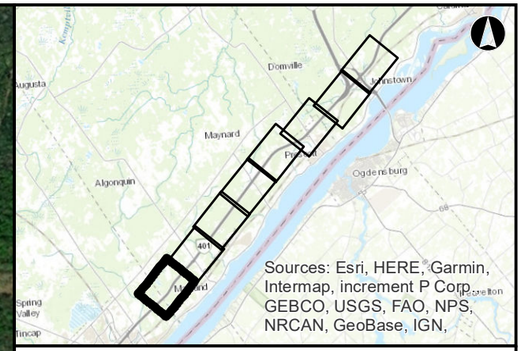
Appendix A

A.1 Critical and Sensitive Receptors within Study Area





Legend

- Sensitive Receptor
- Existing Link
- Future Link
- Study Area Boundary

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Meters

Highway 401 Improvements between Highway 16 Interchange to Maitland

Critical and Sensitive Receptors

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P#: 60638228		
AECOM		**Figure A1-1**

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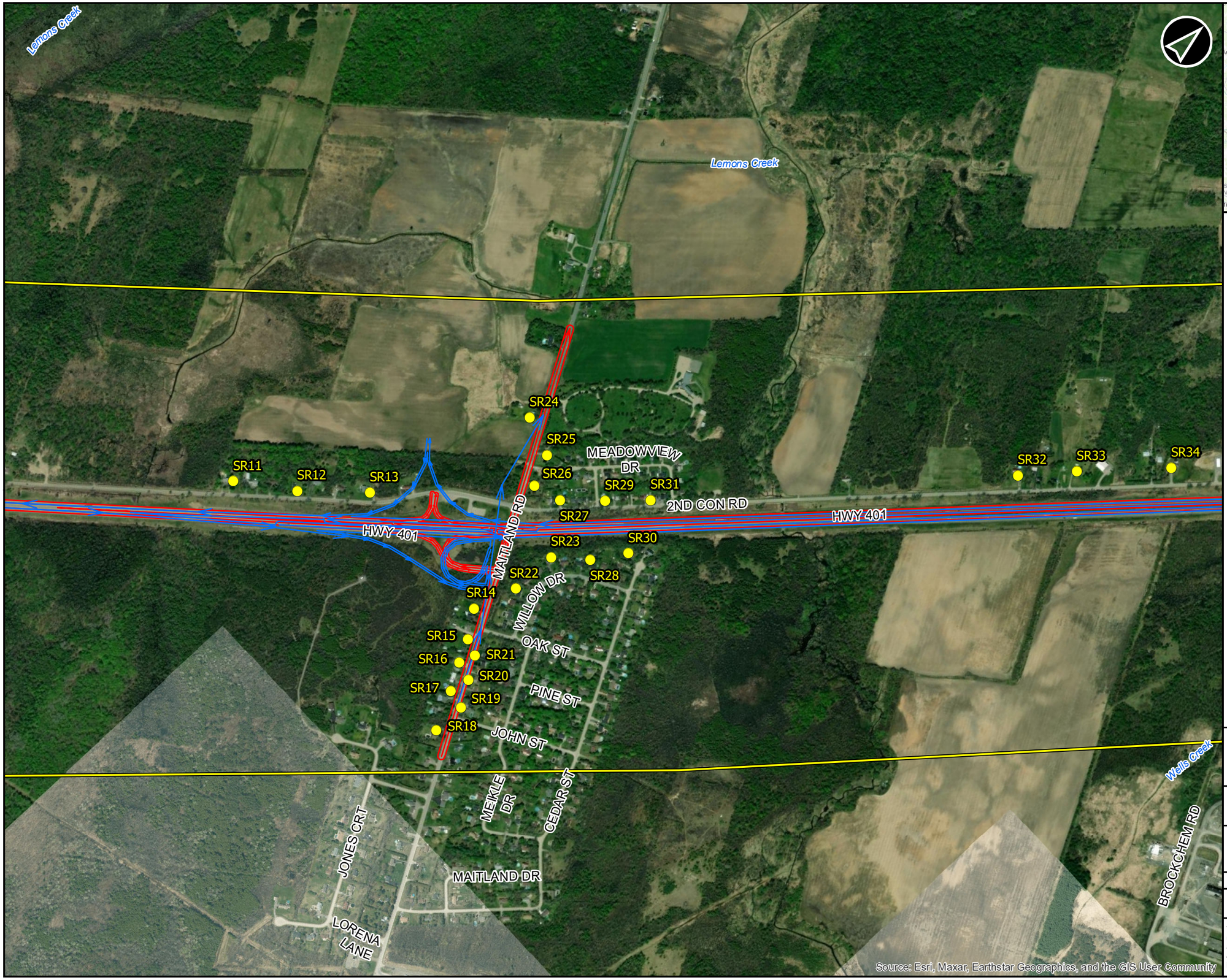

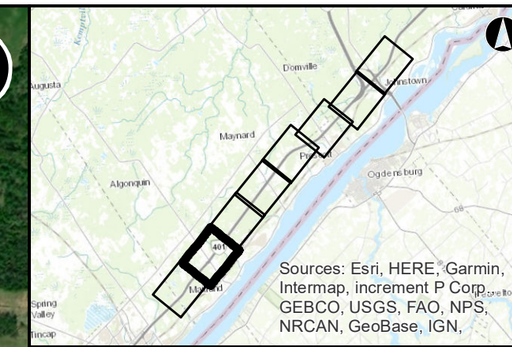

Legend

- Sensitive Receptor
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- Future Link
- Study Area Boundary

0 50 100 200 300 400 500 600
Meters

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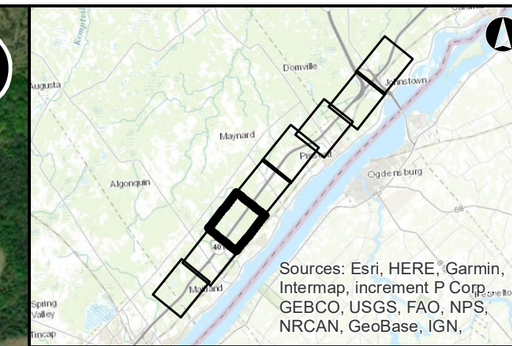

Legend

- Sensitive Receptor
- Existing Link
- Future Link
- Study Area Boundary

0 50 100 200 300 400 500 600
Meters

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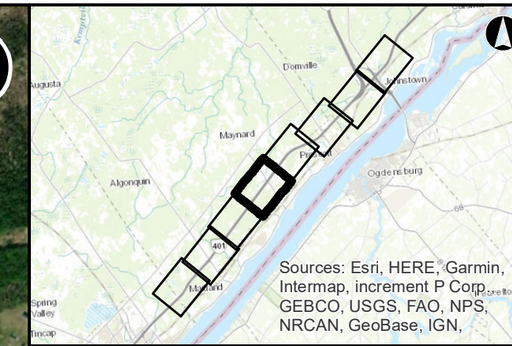

Legend

- Sensitive Receptor
- Existing Link
- Future Link
- Study Area Boundary

0 50 100 200 300 400 500 600
Meters

Highway 401 Improvements between Highway 16 Interchange to Maitland

Critical and Sensitive Receptors

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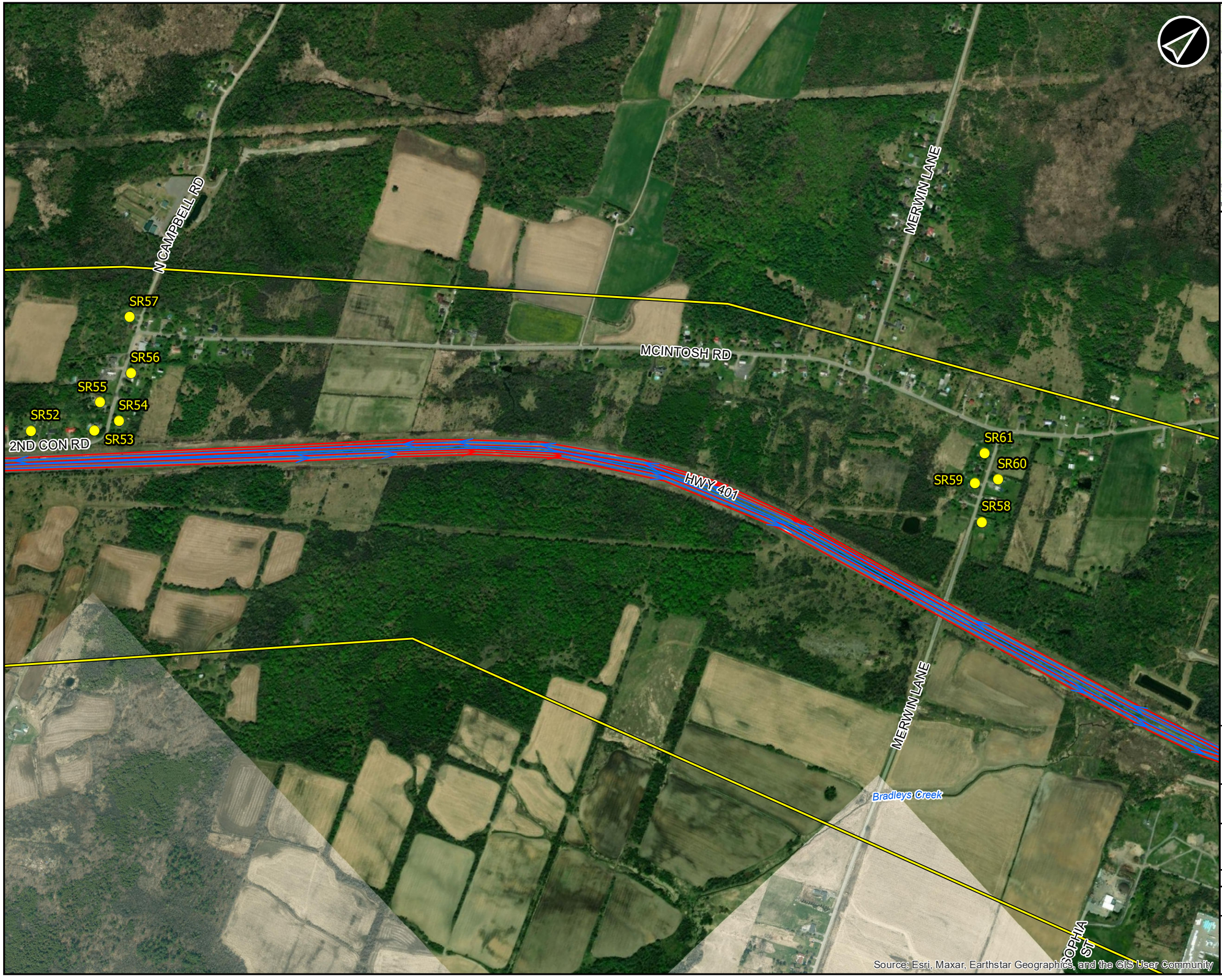

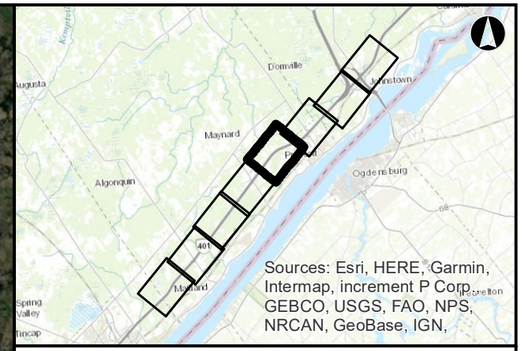

Legend

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- Future Link
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Meters

Highway 401 Improvements between Highway 16 Interchange to Maitland

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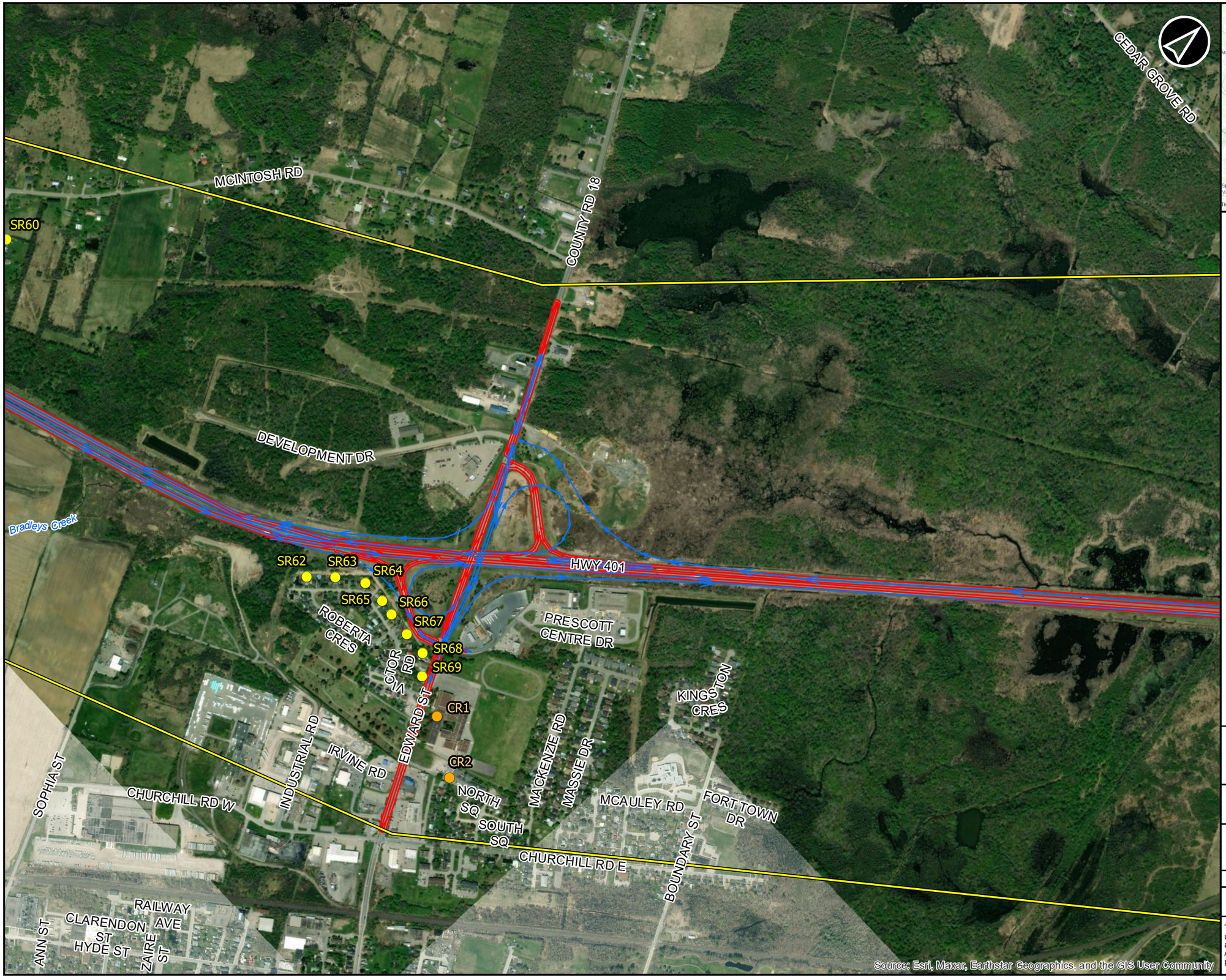

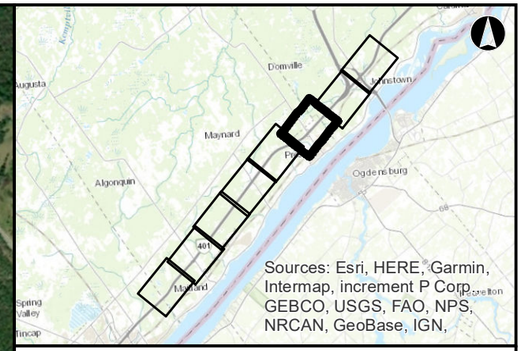

Legend

- Critical Receptor
- Sensitive Receptor
- Existing Link
- Future Link
- Study Area Boundary

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Meters

Highway 401 Improvements between Highway 16 Interchange to Maitland

Critical and Sensitive Receptors

Jan, 2024	1:9,950 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 18N Source: MNRF, Henson, B.L. and Tellier, D., 2014
P#: 60638228		**Figure A1-6**

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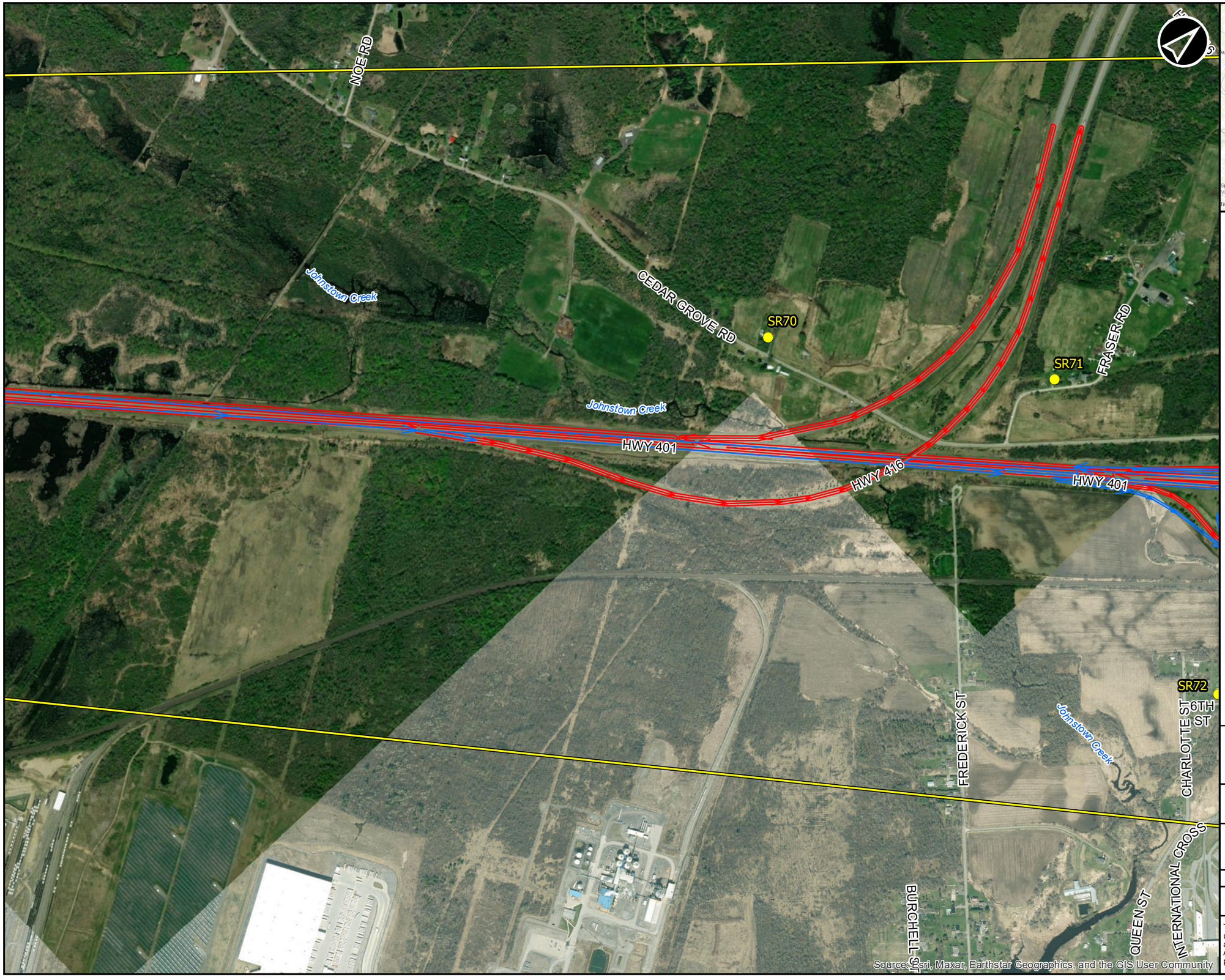
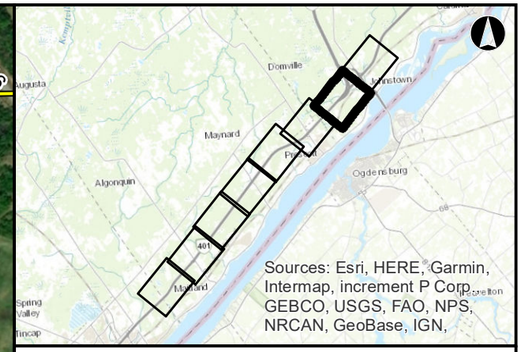
Map location: I:\Projects\60638228\500-CAD_GIS\520-GIS\Graphics\A20-ENV\Design01_Reports\ARM\MXD\60638228-AllRcpt-RA1Receptors.mxd
Date Saved: 1/31/2024 3:14:50 PM User Name: emilie.arbic.ca.tbs





Legend

- Sensitive Receptor
- Existing Link
- Future Link
- Study Area Boundary

0 50 100 200 300 400 500 600
Meters

Highway 401 Improvements between Highway 16 Interchange to Maitland

Critical and Sensitive Receptors

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AECOM		**Figure A1-7**

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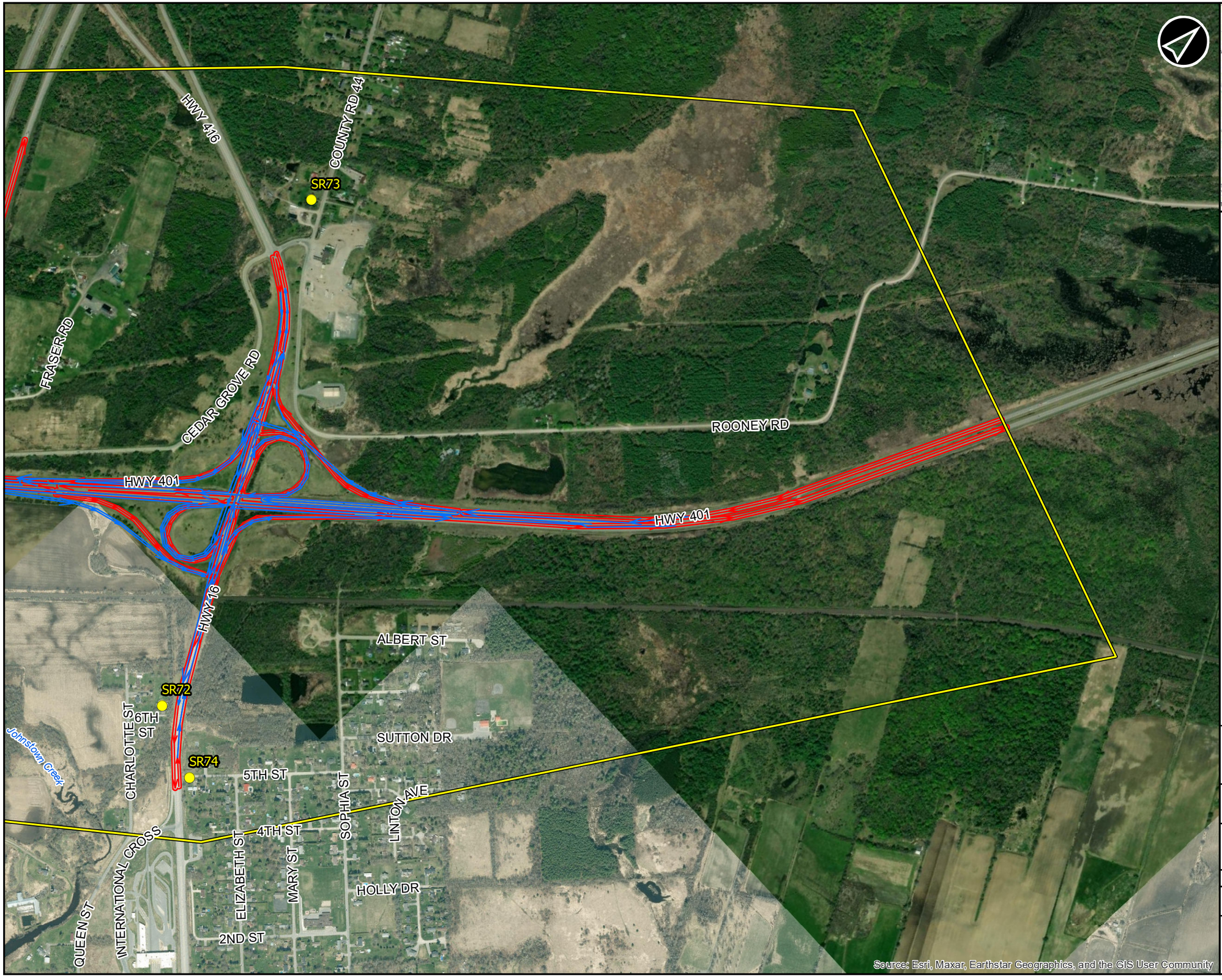

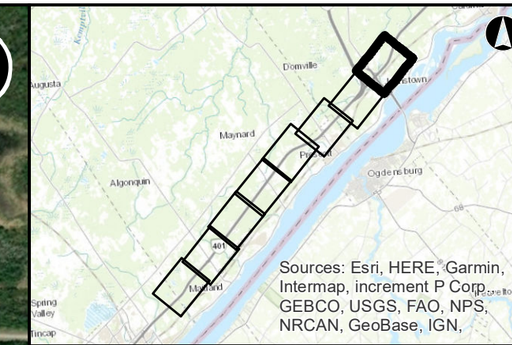

Legend

- Sensitive Receptor
- Existing Link
- Future Link
- Study Area Boundary

0 50 100 200 300 400 500 600
Meters

Highway 401 Improvements between Highway 16 Interchange to Maitland

Critical and Sensitive Receptors

Jan, 2024	1:9,950 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 18N Source: MNRF, Henson, B.L. and Tellier, D., 2014
P#: 60638228		
AECOM		**Figure A1-8**

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Appendix A

A.2 Identified Sensitive and Critical Receptors Table

Table A-2: Study Area Receptor Summary

Receptor ID	Type	Address	Description	UTM Coordinates	
				Easting (m)	Northing (m)
SR1	Sensitive	2917 Concession 2 Rd Maitland, ON K0E 1P0, Canada	Single-unit Dwelling	447685.00	4942051.00
SR2	Sensitive	2925 Concession 2 Rd Maitland, ON K0E 1P0, Canada	Single-unit Dwelling	447748.13	4942122.83
SR3	Sensitive	2928 Concession 2 Rd Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	447825.16	4942253.29
SR4	Sensitive	2101 Concession 2 Rd Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	448079.00	4942408.00
SR5	Sensitive	2119 Concession 2 Rd Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	448192.00	4942506.00
SR6	Sensitive	2112 Concession 2 Rd Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	448360.00	4942761.00
SR7	Sensitive	2155 Concession 2 Rd Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	448502.00	4942796.00
SR8	Sensitive	2126 Concession 2 Rd Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	448552.00	4942970.00
SR9	Sensitive	2160 Concession 2 Rd Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	449175.00	4943557.00
SR10	Sensitive	2190 Concession 2 Rd Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	449312.00	4943674.00
SR11	Sensitive	2206 Concession 2 Rd Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	449760.00	4944126.00
SR12	Sensitive	2179 Concession 2 Rd Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	449898.00	4944237.00
SR13	Sensitive	2218 Concession 2 Rd Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	450036.00	4944378.00
SR14	Sensitive	1098 Church St Brockville, ON K6V 5T1, Canada	Single-unit Dwelling	450459.00	4944371.00
SR15	Sensitive	92 Church St Brockville, ON K6V 5T1	Single-unit Dwelling	450509.00	4944302.00
SR16	Sensitive	88 Church St Brockville, ON K6V 5T1	Single-unit Dwelling	450539.00	4944242.00
SR17	Sensitive	1082 Maitland Rd Maitland, ON K0E 1P0	Single-unit Dwelling	450581.00	4944172.00
SR18	Sensitive	1076 Church St Brockville, ON K6V 5T1	Single-unit Dwelling	450632.00	4944071.00
SR19	Sensitive	1065 Church St Brockville, ON K6V 5T1	Single-unit Dwelling	450632.00	4944162.00
SR20	Sensitive	1071 Maitland Rd Maitland, ON K0E 1P0	Single-unit Dwelling	450591.00	4944227.00
SR21	Sensitive	1090 Maitland Rd Maitland, ON K0E 1P0	Single-unit Dwelling	450555.00	4944286.00
SR22	Sensitive	8 Willow Glen Dr Maitland, ON K0E 1P0	Single-unit Dwelling	450497.00	4944491.00
SR23	Sensitive	14 Willow Dr Prescott, ON K0E 1T0	Single-unit Dwelling	450500.00	4944619.00
SR24	Sensitive	2300 County Rd 15 Brockville, ON K6V 5T1	Single-unit Dwelling	450182.00	4944835.00
SR25	Sensitive	2351 County Rd 15 Brockville, ON K6V 5T1	Single-unit Dwelling	450288.00	4944800.00

SR26	Sensitive	2251 County Rd 15 Brockville, ON K6V 5T1	Single-unit Dwelling	450327.00	4944718.00
SR27	Sensitive	2230 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	450402.00	4944743.00
SR28	Sensitive	20 Willow Dr Prescott, ON K0E 1T0	Single-unit Dwelling	450577.00	4944692.00
SR29	Sensitive	2240 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	450487.00	4944831.00
SR30	Sensitive	57 Cedar St Prescott, ON K0E 1T0	Single-unit Dwelling	450634.00	4944780.00
SR31	Sensitive	2250 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	450570.00	4944923.00
SR32	Sensitive	2310 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	451200.00	4945701.00
SR33	Sensitive	2316 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	451301.00	4945826.00
SR34	Sensitive	2324 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	451468.00	4946020.00
SR35	Sensitive	2330 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	451622.00	4946165.00
SR36	Sensitive	2334 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	451829.00	4946407.00
SR37	Sensitive	2348 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	451930.00	4946517.00
SR38	Sensitive	2358 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	452002.00	4946597.00
SR39	Sensitive	2368 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	452058.00	4946664.00
SR40	Sensitive	2378 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	452127.00	4946744.00
SR41	Sensitive	2392 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	452410.00	4947071.00
SR42	Sensitive	2396 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	452467.00	4947186.78
SR43	Sensitive	2408 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	452725.00	4947526.00
SR44	Sensitive	2414 Concession 2 Rd Brockville, ON K6V 5T1	Single-unit Dwelling	452877.09	4947624.14
SR45	Sensitive	2434 Concession 2 Rd Augusta, ON K0E 1T0	Single-unit Dwelling	453115.00	4947911.00
SR46	Sensitive	2444 Concession 2 Rd Augusta, ON K0E 1T0	Single-unit Dwelling	453293.00	4948099.00
SR47	Sensitive	2450 Concession 2 Rd Augusta, ON K0E 1T0	Single-unit Dwelling	453403.00	4948221.00
SR48	Sensitive	2462 Concession 2 Rd Augusta, ON K0E 1T0	Single-unit Dwelling	453553.00	4948419.00
SR49	Sensitive	2480 Concession 2 Rd Augusta, ON K0E 1T0, Canada	Single-unit Dwelling	454001.00	4948951.00
SR50	Sensitive	2512 Concession 2 Rd Augusta, ON K0E 1T0, Canada	Single-unit Dwelling	454633.00	4949661.00
SR51	Sensitive	2536 Concession 2 Rd Augusta, ON K0E 1T0, Canada	Single-unit Dwelling	454928.00	4950010.00

SR52	Sensitive	2552 Concession 2 Rd Augusta, ON K0E 1T0, Canada	Single-unit Dwelling	455037.00	4950141.00
SR53	Sensitive	2500 Campbell Rd Augusta, ON K0E 1T0, Canada	Single-unit Dwelling	455154.00	4950268.00
SR54	Sensitive	2501 Campbell Rd Augusta, ON K0E 1T0, Canada	Single-unit Dwelling	455180.00	4950335.00
SR55	Sensitive	2524 Campbell Rd Augusta, ON K0E 1T0, Canada	Single-unit Dwelling	455108.00	4950332.00
SR56	Sensitive	2573 Campbell Rd Augusta, ON K0E 1T0, Canada	Single-unit Dwelling	455107.00	4950448.00
SR57	Sensitive	2572 Campbell Rd Augusta, ON K0E 1T0, Canada	Single-unit Dwelling	454992.00	4950549.00
SR58	Sensitive	2601 Merwin Ln Augusta, ON K0E 1T0, Canada	Single-unit Dwelling	456983.00	4951871.00
SR59	Sensitive	2650 Merwin Ln Prescott, ON K0E 1T0, Canada	Single-unit Dwelling	456891.00	4951929.00
SR60	Sensitive	2651 Merwin Ln Prescott, ON K0E 1T0, Canada	Single-unit Dwelling	456927.00	4951983.00
SR61	Sensitive	2700 Merwin Ln Prescott, ON K0E 1T0, Canada	Single-unit Dwelling	456850.00	4952004.00
SR62	Sensitive	296 Victor Rd Prescott, ON K0E 1T0, Canada	Single-unit Dwelling	458157.00	4951958.00
SR63	Sensitive	272 Victor Rd Prescott, ON K0E 1T0, Canada	Single-unit Dwelling	458211.00	4952014.00
SR64	Sensitive	244 Victor Rd Prescott, ON K0E 1T0, Canada	Single-unit Dwelling	458279.00	4952064.00
SR65	Sensitive	226 Victor Rd Prescott, ON K0E 1T0, Canada	Single-unit Dwelling	458345.00	4952064.00
SR66	Sensitive	210 Victor Rd Prescott, ON K0E 1T0, Canada	Single-unit Dwelling	458389.00	4952057.00
SR67	Sensitive	190 Victor Rd Prescott, ON K0E 1T0, Canada	Single-unit Dwelling	458457.00	4952051.00
SR68	Sensitive	1089 Edward St N Prescott, ON K0E 1T0, Canada	Single-unit Dwelling	458524.00	4952048.00
SR69	Sensitive	1043 Edward St N Prescott, ON K0E 1T0, Canada	Single-unit Dwelling	458570.00	4952004.00
SR70	Sensitive	3118 Cedar Grove Rd Johnstown, ON K0E 1T1, Canada	Single-unit Dwelling	460847.00	4955005.00
SR71	Sensitive	10 Fraser Rd Johnstown, ON K0E 1T1, Canada	Single-unit Dwelling	461462.00	4955499.00
SR72	Sensitive	67 Charlotte St Johnstown, ON K0E 1T1, Canada	Single-unit Dwelling	462395.00	4955242.00
SR73	Sensitive	2033 44 Spencerville, ON K0E 1X0, Canada	Single-unit Dwelling	461661.00	4956479.00
SR74	Sensitive	31 5th St Edwardsburgh/Cardinal, ON K0E 1T1	Single-unit Dwelling	462589.00	4955164.00
CR1	Critical	1000 Edward St N Prescott, ON K0E 1T0, Canada	School	458678.00	4951959.00
CR2	Critical	990 Edward St N Prescott, ON K0E 1T0	Retirement Home	458823.00	4951870.00

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Appendix B

Traffic Assessment & Emission Summary Tables

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G1C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G1C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G1C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G1C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G1C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G1C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G1C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G1C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G1C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G1C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G1C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G1C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G1C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G2C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G2C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G2C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G2C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G2C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G2C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G2C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G2C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G2C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G2C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G2C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G2C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G2C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G3C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G3C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G3C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G3C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G3C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G3C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G3C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G3C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G3C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G3C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G3C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G3C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G4C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G4C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G4C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G4C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G4C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G4C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G4C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G4C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G4C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G4C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G4C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G4C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G4C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G5C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G5C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G5C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G5C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G5C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G5C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G5C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G5C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G5C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G5C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G5C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G5C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G6C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G6C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G6C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G6C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G6C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G6C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G6C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G6C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G6C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G6C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G6C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G6C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G6C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G7C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G7C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G7C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G7C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G7C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G7C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G7C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G7C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G7C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G7C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G7C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G7C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G8C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G8C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G8C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G8C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G8C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G8C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G8C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G8C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G8C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G8C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G8C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G8C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G9C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G9C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G9C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G9C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G9C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G9C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G9C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G9C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G9C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G9C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G9C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G9C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G10C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G10C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G10C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G10C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G10C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G10C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G10C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G10C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G10C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G10C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G10C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G10C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G11C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G11C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G11C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G11C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G11C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G11C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G11C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G11C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G11C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G11C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G11C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G11C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G12C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G12C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G12C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G12C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G12C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G12C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G12C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G12C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G12C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G12C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G12C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G12C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G13C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G13C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G13C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G13C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G13C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G13C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G13C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G13C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G13C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G13C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G13C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G13C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G14C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G14C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G14C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G14C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G14C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G14C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G14C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G14C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G14C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G14C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G14C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G14C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G15C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G15C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G15C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G15C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G15C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G15C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G15C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G15C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G15C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G15C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G15C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G15C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G16C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G16C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G16C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G16C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G16C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G16C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G16C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G16C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G16C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G16C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G16C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G16C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G17C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G17C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G17C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G17C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G17C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G17C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G17C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G17C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G17C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G17C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G17C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G17C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G18C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G18C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G18C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G18C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G18C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G18C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G18C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G18C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G18C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G18C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G18C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G18C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G19C	30	5	1	2	7.1241	1.7319	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	2	2	7.1241	1.7320	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	3	2	7.1241	1.7323	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	4	2	7.1241	1.7322	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	5	2	7.1241	1.7327	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	6	2	7.1241	1.7341	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	7	2	7.1241	1.7345	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	8	2	7.1241	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	9	2	7.1241	1.7353	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	10	2	7.2950	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0237	0.0114	0.0000052	0.0019
G19C	30	5	11	2	7.6267	1.7337	0.0042	0.3244	0.1043	0.0076	0.0011	0.0239	0.0115	0.0000052	0.0019
G19C	30	5	12	2	8.0071	1.7329	0.0042	0.3244	0.1043	0.0077	0.0011	0.0241	0.0117	0.0000052	0.0020
G19C	30	5	13	2	8.2888	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0243	0.0117	0.0000052	0.0020
G19C	30	5	14	2	8.5511	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G19C	30	5	15	2	8.6975	1.7306	0.0042	0.3244	0.1043	0.0078	0.0012	0.0246	0.0119	0.0000052	0.0020
G19C	30	5	16	2	8.6368	1.7307	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0119	0.0000052	0.0020
G19C	30	5	17	2	8.6087	1.7308	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0118	0.0000052	0.0020
G19C	30	5	18	2	8.5097	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G19C	30	5	19	2	8.1871	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0242	0.0117	0.0000052	0.0020
G19C	30	5	20	2	7.7329	1.7324	0.0042	0.3244	0.1043	0.0076	0.0011	0.0240	0.0116	0.0000052	0.0020
G19C	30	5	21	2	7.1241	1.7329	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	22	2	7.1241	1.7337	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	23	2	7.1241	1.7328	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G19C	30	5	24	2	7.1241	1.7333	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	1	2	7.1241	1.7319	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	2	2	7.1241	1.7320	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	3	2	7.1241	1.7323	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	4	2	7.1241	1.7322	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	5	2	7.1241	1.7327	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	6	2	7.1241	1.7341	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	7	2	7.1241	1.7345	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	8	2	7.1241	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	9	2	7.1241	1.7353	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	10	2	7.2950	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0237	0.0114	0.0000052	0.0019
G20C	30	5	11	2	7.6267	1.7337	0.0042	0.3244	0.1043	0.0076	0.0011	0.0239	0.0115	0.0000052	0.0019

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G20C	30	5	12	2	8.0071	1.7329	0.0042	0.3244	0.1043	0.0077	0.0011	0.0241	0.0117	0.0000052	0.0020
G20C	30	5	13	2	8.2888	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0243	0.0117	0.0000052	0.0020
G20C	30	5	14	2	8.5511	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G20C	30	5	15	2	8.6975	1.7306	0.0042	0.3244	0.1043	0.0078	0.0012	0.0246	0.0119	0.0000052	0.0020
G20C	30	5	16	2	8.6368	1.7307	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0119	0.0000052	0.0020
G20C	30	5	17	2	8.6087	1.7308	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0118	0.0000052	0.0020
G20C	30	5	18	2	8.5097	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G20C	30	5	19	2	8.1871	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0242	0.0117	0.0000052	0.0020
G20C	30	5	20	2	7.7329	1.7324	0.0042	0.3244	0.1043	0.0076	0.0011	0.0240	0.0116	0.0000052	0.0020
G20C	30	5	21	2	7.1241	1.7329	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	22	2	7.1241	1.7337	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	23	2	7.1241	1.7328	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G20C	30	5	24	2	7.1241	1.7333	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	1	2	7.1241	1.7319	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	2	2	7.1241	1.7320	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	3	2	7.1241	1.7323	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	4	2	7.1241	1.7322	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	5	2	7.1241	1.7327	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	6	2	7.1241	1.7341	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	7	2	7.1241	1.7345	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	8	2	7.1241	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	9	2	7.1241	1.7353	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	10	2	7.2950	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0237	0.0114	0.0000052	0.0019
G21C	30	5	11	2	7.6267	1.7337	0.0042	0.3244	0.1043	0.0076	0.0011	0.0239	0.0115	0.0000052	0.0019
G21C	30	5	12	2	8.0071	1.7329	0.0042	0.3244	0.1043	0.0077	0.0011	0.0241	0.0117	0.0000052	0.0020
G21C	30	5	13	2	8.2888	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0243	0.0117	0.0000052	0.0020
G21C	30	5	14	2	8.5511	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G21C	30	5	15	2	8.6975	1.7306	0.0042	0.3244	0.1043	0.0078	0.0012	0.0246	0.0119	0.0000052	0.0020
G21C	30	5	16	2	8.6368	1.7307	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0119	0.0000052	0.0020
G21C	30	5	17	2	8.6087	1.7308	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0118	0.0000052	0.0020
G21C	30	5	18	2	8.5097	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G21C	30	5	19	2	8.1871	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0242	0.0117	0.0000052	0.0020
G21C	30	5	20	2	7.7329	1.7324	0.0042	0.3244	0.1043	0.0076	0.0011	0.0240	0.0116	0.0000052	0.0020
G21C	30	5	21	2	7.1241	1.7329	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	22	2	7.1241	1.7337	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	23	2	7.1241	1.7328	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G21C	30	5	24	2	7.1241	1.7333	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	1	2	7.1241	1.7319	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	2	2	7.1241	1.7320	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	3	2	7.1241	1.7323	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	4	2	7.1241	1.7322	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	5	2	7.1241	1.7327	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	6	2	7.1241	1.7341	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	7	2	7.1241	1.7345	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	8	2	7.1241	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	9	2	7.1241	1.7353	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	10	2	7.2950	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0237	0.0114	0.0000052	0.0019
G22C	30	5	11	2	7.6267	1.7337	0.0042	0.3244	0.1043	0.0076	0.0011	0.0239	0.0115	0.0000052	0.0019

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G22C	30	5	12	2	8.0071	1.7329	0.0042	0.3244	0.1043	0.0077	0.0011	0.0241	0.0117	0.0000052	0.0020
G22C	30	5	13	2	8.2888	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0243	0.0117	0.0000052	0.0020
G22C	30	5	14	2	8.5511	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G22C	30	5	15	2	8.6975	1.7306	0.0042	0.3244	0.1043	0.0078	0.0012	0.0246	0.0119	0.0000052	0.0020
G22C	30	5	16	2	8.6368	1.7307	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0119	0.0000052	0.0020
G22C	30	5	17	2	8.6087	1.7308	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0118	0.0000052	0.0020
G22C	30	5	18	2	8.5097	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G22C	30	5	19	2	8.1871	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0242	0.0117	0.0000052	0.0020
G22C	30	5	20	2	7.7329	1.7324	0.0042	0.3244	0.1043	0.0076	0.0011	0.0240	0.0116	0.0000052	0.0020
G22C	30	5	21	2	7.1241	1.7329	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	22	2	7.1241	1.7337	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	23	2	7.1241	1.7328	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G22C	30	5	24	2	7.1241	1.7333	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G23C	60	8	1	3	6.0885	1.4266	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G23C	60	8	2	3	6.0885	1.4266	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G23C	60	8	3	3	6.0885	1.4269	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G23C	60	8	4	3	6.0885	1.4268	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G23C	60	8	5	3	6.0885	1.4271	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G23C	60	8	6	3	6.0885	1.4283	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G23C	60	8	7	3	6.0885	1.4286	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G23C	60	8	8	3	6.0885	1.4287	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G23C	60	8	9	3	6.0885	1.4292	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G23C	60	8	10	3	6.2232	1.4287	0.0034	0.1819	0.0676	0.0055	0.0008	0.0161	0.0079	0.0000043	0.0013
G23C	60	8	11	3	6.5043	1.4280	0.0034	0.1819	0.0676	0.0055	0.0008	0.0163	0.0079	0.0000043	0.0013
G23C	60	8	12	3	6.8268	1.4273	0.0034	0.1819	0.0676	0.0056	0.0008	0.0164	0.0080	0.0000043	0.0013
G23C	60	8	13	3	7.0655	1.4270	0.0034	0.1819	0.0676	0.0056	0.0008	0.0166	0.0081	0.0000043	0.0013
G23C	60	8	14	3	7.2878	1.4266	0.0034	0.1819	0.0676	0.0056	0.0008	0.0167	0.0081	0.0000043	0.0014
G23C	60	8	15	3	7.4120	1.4256	0.0034	0.1819	0.0676	0.0057	0.0008	0.0167	0.0082	0.0000043	0.0014
G23C	60	8	16	3	7.3605	1.4256	0.0034	0.1819	0.0676	0.0056	0.0008	0.0167	0.0081	0.0000043	0.0014
G23C	60	8	17	3	7.3367	1.4257	0.0034	0.1819	0.0676	0.0056	0.0008	0.0167	0.0081	0.0000043	0.0014
G23C	60	8	18	3	7.2528	1.4265	0.0034	0.1819	0.0676	0.0056	0.0008	0.0167	0.0081	0.0000043	0.0014
G23C	60	8	19	3	6.9793	1.4270	0.0034	0.1819	0.0676	0.0056	0.0008	0.0165	0.0080	0.0000043	0.0013
G23C	60	8	20	3	6.5944	1.4270	0.0034	0.1819	0.0676	0.0055	0.0008	0.0163	0.0080	0.0000043	0.0013
G23C	60	8	21	3	6.0885	1.4273	0.0034	0.1819	0.0676	0.0055	0.0008	0.0161	0.0079	0.0000043	0.0013
G23C	60	8	22	3	6.0885	1.4280	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G23C	60	8	23	3	6.0885	1.4272	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G23C	60	8	24	3	6.0885	1.4276	0.0034	0.1819	0.0676	0.0055	0.0008	0.0160	0.0079	0.0000043	0.0013
G24C	50	7	1	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G24C	50	7	2	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G24C	50	7	3	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G24C	50	7	4	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G24C	50	7	5	3	6.7034	1.5449	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G24C	50	7	6	3	6.7034	1.5462	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G24C	50	7	7	3	6.7034	1.5465	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G24C	50	7	8	3	6.7034	1.5467	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G24C	50	7	9	3	6.7034	1.5472	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G24C	50	7	10	3	6.8522	1.5467	0.0036	0.2226	0.0768	0.0062	0.0009	0.0180	0.0088	0.0000047	0.0015
G24C	50	7	11	3	7.1633	1.5458	0.0036	0.2226	0.0768	0.0062	0.0009	0.0181	0.0089	0.0000047	0.0015

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G24C	50	7	12	3	7.5202	1.5451	0.0036	0.2226	0.0768	0.0063	0.0009	0.0183	0.0089	0.0000047	0.0015
G24C	50	7	13	3	7.7844	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G24C	50	7	14	3	8.0305	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G24C	50	7	15	3	8.1678	1.5432	0.0036	0.2226	0.0768	0.0064	0.0009	0.0186	0.0091	0.0000047	0.0015
G24C	50	7	16	3	8.1109	1.5432	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G24C	50	7	17	3	8.0845	1.5433	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G24C	50	7	18	3	7.9917	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0185	0.0091	0.0000047	0.0015
G24C	50	7	19	3	7.6890	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G24C	50	7	20	3	7.2629	1.5447	0.0036	0.2226	0.0768	0.0062	0.0009	0.0182	0.0089	0.0000047	0.0015
G24C	50	7	21	3	6.7034	1.5451	0.0036	0.2226	0.0768	0.0062	0.0009	0.0179	0.0088	0.0000047	0.0015
G24C	50	7	22	3	6.7034	1.5458	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G24C	50	7	23	3	6.7034	1.5450	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G24C	50	7	24	3	6.7034	1.5454	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	1	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	2	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	3	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	4	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	5	3	6.7034	1.5449	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	6	3	6.7034	1.5462	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	7	3	6.7034	1.5465	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	8	3	6.7034	1.5467	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	9	3	6.7034	1.5472	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	10	3	6.8522	1.5467	0.0036	0.2226	0.0768	0.0062	0.0009	0.0180	0.0088	0.0000047	0.0015
G25C	50	7	11	3	7.1633	1.5458	0.0036	0.2226	0.0768	0.0062	0.0009	0.0181	0.0089	0.0000047	0.0015
G25C	50	7	12	3	7.5202	1.5451	0.0036	0.2226	0.0768	0.0063	0.0009	0.0183	0.0089	0.0000047	0.0015
G25C	50	7	13	3	7.7844	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G25C	50	7	14	3	8.0305	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G25C	50	7	15	3	8.1678	1.5432	0.0036	0.2226	0.0768	0.0064	0.0009	0.0186	0.0091	0.0000047	0.0015
G25C	50	7	16	3	8.1109	1.5432	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G25C	50	7	17	3	8.0845	1.5433	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G25C	50	7	18	3	7.9917	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0185	0.0091	0.0000047	0.0015
G25C	50	7	19	3	7.6890	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G25C	50	7	20	3	7.2629	1.5447	0.0036	0.2226	0.0768	0.0062	0.0009	0.0182	0.0089	0.0000047	0.0015
G25C	50	7	21	3	6.7034	1.5451	0.0036	0.2226	0.0768	0.0062	0.0009	0.0179	0.0088	0.0000047	0.0015
G25C	50	7	22	3	6.7034	1.5458	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	23	3	6.7034	1.5450	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G25C	50	7	24	3	6.7034	1.5454	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G26C	30	5	1	2	7.1241	1.7319	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	2	2	7.1241	1.7320	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	3	2	7.1241	1.7323	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	4	2	7.1241	1.7322	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	5	2	7.1241	1.7327	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	6	2	7.1241	1.7341	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	7	2	7.1241	1.7345	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	8	2	7.1241	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	9	2	7.1241	1.7353	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	10	2	7.2950	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0237	0.0114	0.0000052	0.0019
G26C	30	5	11	2	7.6267	1.7337	0.0042	0.3244	0.1043	0.0076	0.0011	0.0239	0.0115	0.0000052	0.0019

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G26C	30	5	12	2	8.0071	1.7329	0.0042	0.3244	0.1043	0.0077	0.0011	0.0241	0.0117	0.0000052	0.0020
G26C	30	5	13	2	8.2888	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0243	0.0117	0.0000052	0.0020
G26C	30	5	14	2	8.5511	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G26C	30	5	15	2	8.6975	1.7306	0.0042	0.3244	0.1043	0.0078	0.0012	0.0246	0.0119	0.0000052	0.0020
G26C	30	5	16	2	8.6368	1.7307	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0119	0.0000052	0.0020
G26C	30	5	17	2	8.6087	1.7308	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0118	0.0000052	0.0020
G26C	30	5	18	2	8.5097	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G26C	30	5	19	2	8.1871	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0242	0.0117	0.0000052	0.0020
G26C	30	5	20	2	7.7329	1.7324	0.0042	0.3244	0.1043	0.0076	0.0011	0.0240	0.0116	0.0000052	0.0020
G26C	30	5	21	2	7.1241	1.7329	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	22	2	7.1241	1.7337	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	23	2	7.1241	1.7328	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G26C	30	5	24	2	7.1241	1.7333	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	1	2	7.1241	1.7319	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	2	2	7.1241	1.7320	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	3	2	7.1241	1.7323	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	4	2	7.1241	1.7322	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	5	2	7.1241	1.7327	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	6	2	7.1241	1.7341	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	7	2	7.1241	1.7345	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	8	2	7.1241	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	9	2	7.1241	1.7353	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	10	2	7.2950	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0237	0.0114	0.0000052	0.0019
G27C	30	5	11	2	7.6267	1.7337	0.0042	0.3244	0.1043	0.0076	0.0011	0.0239	0.0115	0.0000052	0.0019
G27C	30	5	12	2	8.0071	1.7329	0.0042	0.3244	0.1043	0.0077	0.0011	0.0241	0.0117	0.0000052	0.0020
G27C	30	5	13	2	8.2888	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0243	0.0117	0.0000052	0.0020
G27C	30	5	14	2	8.5511	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G27C	30	5	15	2	8.6975	1.7306	0.0042	0.3244	0.1043	0.0078	0.0012	0.0246	0.0119	0.0000052	0.0020
G27C	30	5	16	2	8.6368	1.7307	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0119	0.0000052	0.0020
G27C	30	5	17	2	8.6087	1.7308	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0118	0.0000052	0.0020
G27C	30	5	18	2	8.5097	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G27C	30	5	19	2	8.1871	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0242	0.0117	0.0000052	0.0020
G27C	30	5	20	2	7.7329	1.7324	0.0042	0.3244	0.1043	0.0076	0.0011	0.0240	0.0116	0.0000052	0.0020
G27C	30	5	21	2	7.1241	1.7329	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	22	2	7.1241	1.7337	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	23	2	7.1241	1.7328	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G27C	30	5	24	2	7.1241	1.7333	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	1	2	7.1241	1.7319	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	2	2	7.1241	1.7320	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	3	2	7.1241	1.7323	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	4	2	7.1241	1.7322	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	5	2	7.1241	1.7327	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	6	2	7.1241	1.7341	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	7	2	7.1241	1.7345	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	8	2	7.1241	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	9	2	7.1241	1.7353	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	10	2	7.2950	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0237	0.0114	0.0000052	0.0019
G28C	30	5	11	2	7.6267	1.7337	0.0042	0.3244	0.1043	0.0076	0.0011	0.0239	0.0115	0.0000052	0.0019

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G28C	30	5	12	2	8.0071	1.7329	0.0042	0.3244	0.1043	0.0077	0.0011	0.0241	0.0117	0.0000052	0.0020
G28C	30	5	13	2	8.2888	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0243	0.0117	0.0000052	0.0020
G28C	30	5	14	2	8.5511	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G28C	30	5	15	2	8.6975	1.7306	0.0042	0.3244	0.1043	0.0078	0.0012	0.0246	0.0119	0.0000052	0.0020
G28C	30	5	16	2	8.6368	1.7307	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0119	0.0000052	0.0020
G28C	30	5	17	2	8.6087	1.7308	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0118	0.0000052	0.0020
G28C	30	5	18	2	8.5097	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G28C	30	5	19	2	8.1871	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0242	0.0117	0.0000052	0.0020
G28C	30	5	20	2	7.7329	1.7324	0.0042	0.3244	0.1043	0.0076	0.0011	0.0240	0.0116	0.0000052	0.0020
G28C	30	5	21	2	7.1241	1.7329	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	22	2	7.1241	1.7337	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	23	2	7.1241	1.7328	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G28C	30	5	24	2	7.1241	1.7333	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	1	2	7.1241	1.7319	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	2	2	7.1241	1.7320	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	3	2	7.1241	1.7323	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	4	2	7.1241	1.7322	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	5	2	7.1241	1.7327	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	6	2	7.1241	1.7341	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	7	2	7.1241	1.7345	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	8	2	7.1241	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	9	2	7.1241	1.7353	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	10	2	7.2950	1.7347	0.0042	0.3244	0.1043	0.0075	0.0011	0.0237	0.0114	0.0000052	0.0019
G29C	30	5	11	2	7.6267	1.7337	0.0042	0.3244	0.1043	0.0076	0.0011	0.0239	0.0115	0.0000052	0.0019
G29C	30	5	12	2	8.0071	1.7329	0.0042	0.3244	0.1043	0.0077	0.0011	0.0241	0.0117	0.0000052	0.0020
G29C	30	5	13	2	8.2888	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0243	0.0117	0.0000052	0.0020
G29C	30	5	14	2	8.5511	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G29C	30	5	15	2	8.6975	1.7306	0.0042	0.3244	0.1043	0.0078	0.0012	0.0246	0.0119	0.0000052	0.0020
G29C	30	5	16	2	8.6368	1.7307	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0119	0.0000052	0.0020
G29C	30	5	17	2	8.6087	1.7308	0.0042	0.3244	0.1043	0.0078	0.0012	0.0245	0.0118	0.0000052	0.0020
G29C	30	5	18	2	8.5097	1.7319	0.0042	0.3244	0.1043	0.0077	0.0011	0.0245	0.0118	0.0000052	0.0020
G29C	30	5	19	2	8.1871	1.7324	0.0042	0.3244	0.1043	0.0077	0.0011	0.0242	0.0117	0.0000052	0.0020
G29C	30	5	20	2	7.7329	1.7324	0.0042	0.3244	0.1043	0.0076	0.0011	0.0240	0.0116	0.0000052	0.0020
G29C	30	5	21	2	7.1241	1.7329	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	22	2	7.1241	1.7337	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	23	2	7.1241	1.7328	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G29C	30	5	24	2	7.1241	1.7333	0.0042	0.3244	0.1043	0.0075	0.0011	0.0235	0.0114	0.0000052	0.0019
G30C	50	7	1	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G30C	50	7	2	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G30C	50	7	3	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G30C	50	7	4	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G30C	50	7	5	3	6.7034	1.5449	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G30C	50	7	6	3	6.7034	1.5462	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G30C	50	7	7	3	6.7034	1.5465	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G30C	50	7	8	3	6.7034	1.5467	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G30C	50	7	9	3	6.7034	1.5472	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G30C	50	7	10	3	6.8522	1.5467	0.0036	0.2226	0.0768	0.0062	0.0009	0.0180	0.0088	0.0000047	0.0015
G30C	50	7	11	3	7.1633	1.5458	0.0036	0.2226	0.0768	0.0062	0.0009	0.0181	0.0089	0.0000047	0.0015

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G30C	50	7	12	3	7.5202	1.5451	0.0036	0.2226	0.0768	0.0063	0.0009	0.0183	0.0089	0.0000047	0.0015
G30C	50	7	13	3	7.7844	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G30C	50	7	14	3	8.0305	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G30C	50	7	15	3	8.1678	1.5432	0.0036	0.2226	0.0768	0.0064	0.0009	0.0186	0.0091	0.0000047	0.0015
G30C	50	7	16	3	8.1109	1.5432	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G30C	50	7	17	3	8.0845	1.5433	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G30C	50	7	18	3	7.9917	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0185	0.0091	0.0000047	0.0015
G30C	50	7	19	3	7.6890	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G30C	50	7	20	3	7.2629	1.5447	0.0036	0.2226	0.0768	0.0062	0.0009	0.0182	0.0089	0.0000047	0.0015
G30C	50	7	21	3	6.7034	1.5451	0.0036	0.2226	0.0768	0.0062	0.0009	0.0179	0.0088	0.0000047	0.0015
G30C	50	7	22	3	6.7034	1.5458	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G30C	50	7	23	3	6.7034	1.5450	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G30C	50	7	24	3	6.7034	1.5454	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	1	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	2	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	3	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	4	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	5	3	6.7034	1.5449	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	6	3	6.7034	1.5462	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	7	3	6.7034	1.5465	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	8	3	6.7034	1.5467	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	9	3	6.7034	1.5472	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	10	3	6.8522	1.5467	0.0036	0.2226	0.0768	0.0062	0.0009	0.0180	0.0088	0.0000047	0.0015
G31C	50	7	11	3	7.1633	1.5458	0.0036	0.2226	0.0768	0.0062	0.0009	0.0181	0.0089	0.0000047	0.0015
G31C	50	7	12	3	7.5202	1.5451	0.0036	0.2226	0.0768	0.0063	0.0009	0.0183	0.0089	0.0000047	0.0015
G31C	50	7	13	3	7.7844	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G31C	50	7	14	3	8.0305	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G31C	50	7	15	3	8.1678	1.5432	0.0036	0.2226	0.0768	0.0064	0.0009	0.0186	0.0091	0.0000047	0.0015
G31C	50	7	16	3	8.1109	1.5432	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G31C	50	7	17	3	8.0845	1.5433	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G31C	50	7	18	3	7.9917	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0185	0.0091	0.0000047	0.0015
G31C	50	7	19	3	7.6890	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G31C	50	7	20	3	7.2629	1.5447	0.0036	0.2226	0.0768	0.0062	0.0009	0.0182	0.0089	0.0000047	0.0015
G31C	50	7	21	3	6.7034	1.5451	0.0036	0.2226	0.0768	0.0062	0.0009	0.0179	0.0088	0.0000047	0.0015
G31C	50	7	22	3	6.7034	1.5458	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	23	3	6.7034	1.5450	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G31C	50	7	24	3	6.7034	1.5454	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G32C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G32C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G32C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G32C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G32C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G32C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G32C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G32C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G32C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G32C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G32C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G32C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G32C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G33C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G33C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G33C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G33C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G33C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G33C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G33C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G33C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G33C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G33C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G33C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G33C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G34C	60	8	1	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G34C	60	8	2	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G34C	60	8	3	2	5.5377	1.3253	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G34C	60	8	4	2	5.5377	1.3252	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G34C	60	8	5	2	5.5377	1.3255	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G34C	60	8	6	2	5.5377	1.3266	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G34C	60	8	7	2	5.5377	1.3268	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G34C	60	8	8	2	5.5377	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G34C	60	8	9	2	5.5377	1.3274	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G34C	60	8	10	2	5.6652	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0160	0.0077	0.0000039	0.0013
G34C	60	8	11	2	5.9200	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0161	0.0078	0.0000039	0.0013

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G34C	60	8	12	2	6.2123	1.3257	0.0034	0.1778	0.0665	0.0053	0.0008	0.0163	0.0079	0.0000039	0.0013
G34C	60	8	13	2	6.4287	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G34C	60	8	14	2	6.6302	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G34C	60	8	15	2	6.7427	1.3240	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G34C	60	8	16	2	6.6961	1.3241	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G34C	60	8	17	2	6.6745	1.3242	0.0034	0.1778	0.0665	0.0054	0.0008	0.0165	0.0080	0.0000039	0.0013
G34C	60	8	18	2	6.5984	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G34C	60	8	19	2	6.3506	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G34C	60	8	20	2	6.0016	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0161	0.0078	0.0000039	0.0013
G34C	60	8	21	2	5.5377	1.3257	0.0034	0.1778	0.0665	0.0052	0.0008	0.0159	0.0077	0.0000039	0.0013
G34C	60	8	22	2	5.5377	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G34C	60	8	23	2	5.5377	1.3256	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G34C	60	8	24	2	5.5377	1.3259	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	1	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	2	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	3	2	5.5377	1.3253	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	4	2	5.5377	1.3252	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	5	2	5.5377	1.3255	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	6	2	5.5377	1.3266	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	7	2	5.5377	1.3268	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	8	2	5.5377	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	9	2	5.5377	1.3274	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	10	2	5.6652	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0160	0.0077	0.0000039	0.0013
G35C	60	8	11	2	5.9200	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0161	0.0078	0.0000039	0.0013
G35C	60	8	12	2	6.2123	1.3257	0.0034	0.1778	0.0665	0.0053	0.0008	0.0163	0.0079	0.0000039	0.0013
G35C	60	8	13	2	6.4287	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G35C	60	8	14	2	6.6302	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G35C	60	8	15	2	6.7427	1.3240	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G35C	60	8	16	2	6.6961	1.3241	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G35C	60	8	17	2	6.6745	1.3242	0.0034	0.1778	0.0665	0.0054	0.0008	0.0165	0.0080	0.0000039	0.0013
G35C	60	8	18	2	6.5984	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G35C	60	8	19	2	6.3506	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G35C	60	8	20	2	6.0016	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0161	0.0078	0.0000039	0.0013
G35C	60	8	21	2	5.5377	1.3257	0.0034	0.1778	0.0665	0.0052	0.0008	0.0159	0.0077	0.0000039	0.0013
G35C	60	8	22	2	5.5377	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	23	2	5.5377	1.3256	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G35C	60	8	24	2	5.5377	1.3259	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	1	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	2	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	3	2	5.5377	1.3253	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	4	2	5.5377	1.3252	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	5	2	5.5377	1.3255	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	6	2	5.5377	1.3266	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	7	2	5.5377	1.3268	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	8	2	5.5377	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	9	2	5.5377	1.3274	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	10	2	5.6652	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0160	0.0077	0.0000039	0.0013
G36C	60	8	11	2	5.9200	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0161	0.0078	0.0000039	0.0013

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G36C	60	8	12	2	6.2123	1.3257	0.0034	0.1778	0.0665	0.0053	0.0008	0.0163	0.0079	0.0000039	0.0013
G36C	60	8	13	2	6.4287	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G36C	60	8	14	2	6.6302	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G36C	60	8	15	2	6.7427	1.3240	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G36C	60	8	16	2	6.6961	1.3241	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G36C	60	8	17	2	6.6745	1.3242	0.0034	0.1778	0.0665	0.0054	0.0008	0.0165	0.0080	0.0000039	0.0013
G36C	60	8	18	2	6.5984	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G36C	60	8	19	2	6.3506	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G36C	60	8	20	2	6.0016	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0161	0.0078	0.0000039	0.0013
G36C	60	8	21	2	5.5377	1.3257	0.0034	0.1778	0.0665	0.0052	0.0008	0.0159	0.0077	0.0000039	0.0013
G36C	60	8	22	2	5.5377	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	23	2	5.5377	1.3256	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G36C	60	8	24	2	5.5377	1.3259	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	1	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	2	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	3	2	5.5377	1.3253	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	4	2	5.5377	1.3252	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	5	2	5.5377	1.3255	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	6	2	5.5377	1.3266	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	7	2	5.5377	1.3268	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	8	2	5.5377	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	9	2	5.5377	1.3274	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	10	2	5.6652	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0160	0.0077	0.0000039	0.0013
G37C	60	8	11	2	5.9200	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0161	0.0078	0.0000039	0.0013
G37C	60	8	12	2	6.2123	1.3257	0.0034	0.1778	0.0665	0.0053	0.0008	0.0163	0.0079	0.0000039	0.0013
G37C	60	8	13	2	6.4287	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G37C	60	8	14	2	6.6302	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G37C	60	8	15	2	6.7427	1.3240	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G37C	60	8	16	2	6.6961	1.3241	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G37C	60	8	17	2	6.6745	1.3242	0.0034	0.1778	0.0665	0.0054	0.0008	0.0165	0.0080	0.0000039	0.0013
G37C	60	8	18	2	6.5984	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G37C	60	8	19	2	6.3506	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G37C	60	8	20	2	6.0016	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0161	0.0078	0.0000039	0.0013
G37C	60	8	21	2	5.5377	1.3257	0.0034	0.1778	0.0665	0.0052	0.0008	0.0159	0.0077	0.0000039	0.0013
G37C	60	8	22	2	5.5377	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	23	2	5.5377	1.3256	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G37C	60	8	24	2	5.5377	1.3259	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	1	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	2	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	3	2	5.5377	1.3253	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	4	2	5.5377	1.3252	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	5	2	5.5377	1.3255	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	6	2	5.5377	1.3266	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	7	2	5.5377	1.3268	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	8	2	5.5377	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	9	2	5.5377	1.3274	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	10	2	5.6652	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0160	0.0077	0.0000039	0.0013
G38C	60	8	11	2	5.9200	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0161	0.0078	0.0000039	0.0013

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G38C	60	8	12	2	6.2123	1.3257	0.0034	0.1778	0.0665	0.0053	0.0008	0.0163	0.0079	0.0000039	0.0013
G38C	60	8	13	2	6.4287	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G38C	60	8	14	2	6.6302	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G38C	60	8	15	2	6.7427	1.3240	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G38C	60	8	16	2	6.6961	1.3241	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G38C	60	8	17	2	6.6745	1.3242	0.0034	0.1778	0.0665	0.0054	0.0008	0.0165	0.0080	0.0000039	0.0013
G38C	60	8	18	2	6.5984	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G38C	60	8	19	2	6.3506	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G38C	60	8	20	2	6.0016	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0161	0.0078	0.0000039	0.0013
G38C	60	8	21	2	5.5377	1.3257	0.0034	0.1778	0.0665	0.0052	0.0008	0.0159	0.0077	0.0000039	0.0013
G38C	60	8	22	2	5.5377	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	23	2	5.5377	1.3256	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G38C	60	8	24	2	5.5377	1.3259	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	1	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	2	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	3	2	5.5377	1.3253	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	4	2	5.5377	1.3252	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	5	2	5.5377	1.3255	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	6	2	5.5377	1.3266	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	7	2	5.5377	1.3268	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	8	2	5.5377	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	9	2	5.5377	1.3274	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	10	2	5.6652	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0160	0.0077	0.0000039	0.0013
G39C	60	8	11	2	5.9200	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0161	0.0078	0.0000039	0.0013
G39C	60	8	12	2	6.2123	1.3257	0.0034	0.1778	0.0665	0.0053	0.0008	0.0163	0.0079	0.0000039	0.0013
G39C	60	8	13	2	6.4287	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G39C	60	8	14	2	6.6302	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G39C	60	8	15	2	6.7427	1.3240	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G39C	60	8	16	2	6.6961	1.3241	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G39C	60	8	17	2	6.6745	1.3242	0.0034	0.1778	0.0665	0.0054	0.0008	0.0165	0.0080	0.0000039	0.0013
G39C	60	8	18	2	6.5984	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G39C	60	8	19	2	6.3506	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G39C	60	8	20	2	6.0016	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0161	0.0078	0.0000039	0.0013
G39C	60	8	21	2	5.5377	1.3257	0.0034	0.1778	0.0665	0.0052	0.0008	0.0159	0.0077	0.0000039	0.0013
G39C	60	8	22	2	5.5377	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	23	2	5.5377	1.3256	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G39C	60	8	24	2	5.5377	1.3259	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	1	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	2	2	5.5377	1.3250	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	3	2	5.5377	1.3253	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	4	2	5.5377	1.3252	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	5	2	5.5377	1.3255	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	6	2	5.5377	1.3266	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	7	2	5.5377	1.3268	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	8	2	5.5377	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	9	2	5.5377	1.3274	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	10	2	5.6652	1.3270	0.0034	0.1778	0.0665	0.0052	0.0008	0.0160	0.0077	0.0000039	0.0013
G40C	60	8	11	2	5.9200	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0161	0.0078	0.0000039	0.0013

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G40C	60	8	12	2	6.2123	1.3257	0.0034	0.1778	0.0665	0.0053	0.0008	0.0163	0.0079	0.0000039	0.0013
G40C	60	8	13	2	6.4287	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G40C	60	8	14	2	6.6302	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G40C	60	8	15	2	6.7427	1.3240	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G40C	60	8	16	2	6.6961	1.3241	0.0034	0.1778	0.0665	0.0054	0.0008	0.0166	0.0080	0.0000039	0.0013
G40C	60	8	17	2	6.6745	1.3242	0.0034	0.1778	0.0665	0.0054	0.0008	0.0165	0.0080	0.0000039	0.0013
G40C	60	8	18	2	6.5984	1.3250	0.0034	0.1778	0.0665	0.0053	0.0008	0.0165	0.0080	0.0000039	0.0013
G40C	60	8	19	2	6.3506	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0164	0.0079	0.0000039	0.0013
G40C	60	8	20	2	6.0016	1.3253	0.0034	0.1778	0.0665	0.0053	0.0008	0.0161	0.0078	0.0000039	0.0013
G40C	60	8	21	2	5.5377	1.3257	0.0034	0.1778	0.0665	0.0052	0.0008	0.0159	0.0077	0.0000039	0.0013
G40C	60	8	22	2	5.5377	1.3263	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	23	2	5.5377	1.3256	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G40C	60	8	24	2	5.5377	1.3259	0.0034	0.1778	0.0665	0.0052	0.0008	0.0158	0.0077	0.0000039	0.0013
G41C	80	11	1	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	2	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	3	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	4	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	5	2	4.8475	1.1822	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	6	2	4.8475	1.1831	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	7	2	4.8475	1.1834	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	8	2	4.8475	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	9	2	4.8475	1.1838	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	10	2	4.9574	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0128	0.0062	0.0000035	0.0010
G41C	80	11	11	2	5.1777	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G41C	80	11	12	2	5.4304	1.1824	0.0032	0.1093	0.0513	0.0043	0.0006	0.0130	0.0063	0.0000035	0.0011
G41C	80	11	13	2	5.6175	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G41C	80	11	14	2	5.7917	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G41C	80	11	15	2	5.8889	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G41C	80	11	16	2	5.8486	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G41C	80	11	17	2	5.8300	1.1811	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G41C	80	11	18	2	5.7642	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G41C	80	11	19	2	5.5500	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G41C	80	11	20	2	5.2483	1.1821	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G41C	80	11	21	2	4.8488	1.1824	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	22	2	4.8475	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	23	2	4.8475	1.1823	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G41C	80	11	24	2	4.8475	1.1826	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	1	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	2	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	3	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	4	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	5	2	4.8475	1.1822	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	6	2	4.8475	1.1831	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	7	2	4.8475	1.1834	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	8	2	4.8475	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	9	2	4.8475	1.1838	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	10	2	4.9574	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0128	0.0062	0.0000035	0.0010
G42C	80	11	11	2	5.1777	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G42C	80	11	12	2	5.4304	1.1824	0.0032	0.1093	0.0513	0.0043	0.0006	0.0130	0.0063	0.0000035	0.0011
G42C	80	11	13	2	5.6175	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G42C	80	11	14	2	5.7917	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G42C	80	11	15	2	5.8889	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G42C	80	11	16	2	5.8486	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G42C	80	11	17	2	5.8300	1.1811	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G42C	80	11	18	2	5.7642	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G42C	80	11	19	2	5.5500	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G42C	80	11	20	2	5.2483	1.1821	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G42C	80	11	21	2	4.8488	1.1824	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	22	2	4.8475	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	23	2	4.8475	1.1823	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G42C	80	11	24	2	4.8475	1.1826	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	1	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	2	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	3	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	4	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	5	2	4.8475	1.1822	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	6	2	4.8475	1.1831	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	7	2	4.8475	1.1834	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	8	2	4.8475	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	9	2	4.8475	1.1838	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	10	2	4.9574	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0128	0.0062	0.0000035	0.0010
G43C	80	11	11	2	5.1777	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G43C	80	11	12	2	5.4304	1.1824	0.0032	0.1093	0.0513	0.0043	0.0006	0.0130	0.0063	0.0000035	0.0011
G43C	80	11	13	2	5.6175	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G43C	80	11	14	2	5.7917	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G43C	80	11	15	2	5.8889	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G43C	80	11	16	2	5.8486	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G43C	80	11	17	2	5.8300	1.1811	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G43C	80	11	18	2	5.7642	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G43C	80	11	19	2	5.5500	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G43C	80	11	20	2	5.2483	1.1821	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G43C	80	11	21	2	4.8488	1.1824	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	22	2	4.8475	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	23	2	4.8475	1.1823	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G43C	80	11	24	2	4.8475	1.1826	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	1	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	2	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	3	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	4	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	5	2	4.8475	1.1822	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	6	2	4.8475	1.1831	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	7	2	4.8475	1.1834	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	8	2	4.8475	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	9	2	4.8475	1.1838	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	10	2	4.9574	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0128	0.0062	0.0000035	0.0010
G44C	80	11	11	2	5.1777	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G44C	80	11	12	2	5.4304	1.1824	0.0032	0.1093	0.0513	0.0043	0.0006	0.0130	0.0063	0.0000035	0.0011
G44C	80	11	13	2	5.6175	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G44C	80	11	14	2	5.7917	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G44C	80	11	15	2	5.8889	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G44C	80	11	16	2	5.8486	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G44C	80	11	17	2	5.8300	1.1811	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G44C	80	11	18	2	5.7642	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G44C	80	11	19	2	5.5500	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G44C	80	11	20	2	5.2483	1.1821	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G44C	80	11	21	2	4.8488	1.1824	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	22	2	4.8475	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	23	2	4.8475	1.1823	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G44C	80	11	24	2	4.8475	1.1826	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	1	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	2	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	3	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	4	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	5	2	4.8475	1.1822	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	6	2	4.8475	1.1831	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	7	2	4.8475	1.1834	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	8	2	4.8475	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	9	2	4.8475	1.1838	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	10	2	4.9574	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0128	0.0062	0.0000035	0.0010
G45C	80	11	11	2	5.1777	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G45C	80	11	12	2	5.4304	1.1824	0.0032	0.1093	0.0513	0.0043	0.0006	0.0130	0.0063	0.0000035	0.0011
G45C	80	11	13	2	5.6175	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G45C	80	11	14	2	5.7917	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G45C	80	11	15	2	5.8889	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G45C	80	11	16	2	5.8486	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G45C	80	11	17	2	5.8300	1.1811	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G45C	80	11	18	2	5.7642	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G45C	80	11	19	2	5.5500	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G45C	80	11	20	2	5.2483	1.1821	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G45C	80	11	21	2	4.8488	1.1824	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	22	2	4.8475	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	23	2	4.8475	1.1823	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G45C	80	11	24	2	4.8475	1.1826	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	1	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	2	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	3	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	4	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	5	2	4.8475	1.1822	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	6	2	4.8475	1.1831	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	7	2	4.8475	1.1834	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	8	2	4.8475	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	9	2	4.8475	1.1838	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	10	2	4.9574	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0128	0.0062	0.0000035	0.0010
G46C	80	11	11	2	5.1777	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G46C	80	11	12	2	5.4304	1.1824	0.0032	0.1093	0.0513	0.0043	0.0006	0.0130	0.0063	0.0000035	0.0011
G46C	80	11	13	2	5.6175	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G46C	80	11	14	2	5.7917	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G46C	80	11	15	2	5.8889	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G46C	80	11	16	2	5.8486	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G46C	80	11	17	2	5.8300	1.1811	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G46C	80	11	18	2	5.7642	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G46C	80	11	19	2	5.5500	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G46C	80	11	20	2	5.2483	1.1821	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G46C	80	11	21	2	4.8488	1.1824	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	22	2	4.8475	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	23	2	4.8475	1.1823	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G46C	80	11	24	2	4.8475	1.1826	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	1	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	2	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	3	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	4	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	5	2	4.8475	1.1822	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	6	2	4.8475	1.1831	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	7	2	4.8475	1.1834	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	8	2	4.8475	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	9	2	4.8475	1.1838	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	10	2	4.9574	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0128	0.0062	0.0000035	0.0010
G47C	80	11	11	2	5.1777	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G47C	80	11	12	2	5.4304	1.1824	0.0032	0.1093	0.0513	0.0043	0.0006	0.0130	0.0063	0.0000035	0.0011
G47C	80	11	13	2	5.6175	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G47C	80	11	14	2	5.7917	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G47C	80	11	15	2	5.8889	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G47C	80	11	16	2	5.8486	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G47C	80	11	17	2	5.8300	1.1811	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G47C	80	11	18	2	5.7642	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G47C	80	11	19	2	5.5500	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G47C	80	11	20	2	5.2483	1.1821	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G47C	80	11	21	2	4.8488	1.1824	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	22	2	4.8475	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	23	2	4.8475	1.1823	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G47C	80	11	24	2	4.8475	1.1826	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	1	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	2	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	3	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	4	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	5	2	4.8475	1.1822	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	6	2	4.8475	1.1831	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	7	2	4.8475	1.1834	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	8	2	4.8475	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	9	2	4.8475	1.1838	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	10	2	4.9574	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0128	0.0062	0.0000035	0.0010
G48C	80	11	11	2	5.1777	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G48C	80	11	12	2	5.4304	1.1824	0.0032	0.1093	0.0513	0.0043	0.0006	0.0130	0.0063	0.0000035	0.0011
G48C	80	11	13	2	5.6175	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G48C	80	11	14	2	5.7917	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G48C	80	11	15	2	5.8889	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G48C	80	11	16	2	5.8486	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G48C	80	11	17	2	5.8300	1.1811	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G48C	80	11	18	2	5.7642	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G48C	80	11	19	2	5.5500	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G48C	80	11	20	2	5.2483	1.1821	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G48C	80	11	21	2	4.8488	1.1824	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	22	2	4.8475	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	23	2	4.8475	1.1823	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G48C	80	11	24	2	4.8475	1.1826	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G49C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G49C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009
G49C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G49C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G49C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G49C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G49C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G49C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G49C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G49C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G49C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G49C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G49C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	1	2	4.6768	1.1142	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	2	2	4.6768	1.1143	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	3	2	4.6768	1.1145	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	4	2	4.6768	1.1144	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	5	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	6	2	4.6768	1.1155	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	7	2	4.6768	1.1157	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	8	2	4.6768	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	9	2	4.6768	1.1161	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	10	2	4.7849	1.1158	0.0030	0.0804	0.0440	0.0038	0.0005	0.0114	0.0055	0.0000033	0.0009
G50C	100	13	11	2	4.9976	1.1152	0.0030	0.0804	0.0440	0.0038	0.0005	0.0115	0.0055	0.0000033	0.0009

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G50C	100	13	12	2	5.2417	1.1148	0.0030	0.0804	0.0440	0.0039	0.0005	0.0116	0.0056	0.0000033	0.0009
G50C	100	13	13	2	5.4224	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0057	0.0000033	0.0010
G50C	100	13	14	2	5.5906	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G50C	100	13	15	2	5.6846	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0119	0.0057	0.0000033	0.0010
G50C	100	13	16	2	5.6456	1.1135	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G50C	100	13	17	2	5.6276	1.1136	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G50C	100	13	18	2	5.5641	1.1142	0.0030	0.0804	0.0440	0.0039	0.0006	0.0118	0.0057	0.0000033	0.0010
G50C	100	13	19	2	5.3572	1.1145	0.0030	0.0804	0.0440	0.0039	0.0006	0.0117	0.0056	0.0000033	0.0009
G50C	100	13	20	2	5.0658	1.1145	0.0030	0.0804	0.0440	0.0039	0.0005	0.0115	0.0056	0.0000033	0.0009
G50C	100	13	21	2	4.6791	1.1148	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	22	2	4.6768	1.1153	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	23	2	4.6768	1.1147	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G50C	100	13	24	2	4.6768	1.1150	0.0030	0.0804	0.0440	0.0038	0.0005	0.0113	0.0055	0.0000033	0.0009
G51C	80	11	1	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	2	2	4.8475	1.1818	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	3	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	4	2	4.8475	1.1820	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	5	2	4.8475	1.1822	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	6	2	4.8475	1.1831	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	7	2	4.8475	1.1834	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	8	2	4.8475	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	9	2	4.8475	1.1838	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	10	2	4.9574	1.1835	0.0032	0.1093	0.0513	0.0042	0.0006	0.0128	0.0062	0.0000035	0.0010
G51C	80	11	11	2	5.1777	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G51C	80	11	12	2	5.4304	1.1824	0.0032	0.1093	0.0513	0.0043	0.0006	0.0130	0.0063	0.0000035	0.0011
G51C	80	11	13	2	5.6175	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G51C	80	11	14	2	5.7917	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G51C	80	11	15	2	5.8889	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G51C	80	11	16	2	5.8486	1.1810	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G51C	80	11	17	2	5.8300	1.1811	0.0032	0.1093	0.0513	0.0043	0.0006	0.0133	0.0064	0.0000035	0.0011
G51C	80	11	18	2	5.7642	1.1818	0.0032	0.1093	0.0513	0.0043	0.0006	0.0132	0.0064	0.0000035	0.0011
G51C	80	11	19	2	5.5500	1.1821	0.0032	0.1093	0.0513	0.0043	0.0006	0.0131	0.0063	0.0000035	0.0011
G51C	80	11	20	2	5.2483	1.1821	0.0032	0.1093	0.0513	0.0042	0.0006	0.0129	0.0062	0.0000035	0.0010
G51C	80	11	21	2	4.8488	1.1824	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	22	2	4.8475	1.1829	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	23	2	4.8475	1.1823	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G51C	80	11	24	2	4.8475	1.1826	0.0032	0.1093	0.0513	0.0042	0.0006	0.0127	0.0061	0.0000035	0.0010
G52C	50	7	1	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G52C	50	7	2	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G52C	50	7	3	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G52C	50	7	4	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G52C	50	7	5	3	6.7034	1.5449	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G52C	50	7	6	3	6.7034	1.5462	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G52C	50	7	7	3	6.7034	1.5465	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G52C	50	7	8	3	6.7034	1.5467	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G52C	50	7	9	3	6.7034	1.5472	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G52C	50	7	10	3	6.8522	1.5467	0.0036	0.2226	0.0768	0.0062	0.0009	0.0180	0.0088	0.0000047	0.0015
G52C	50	7	11	3	7.1633	1.5458	0.0036	0.2226	0.0768	0.0062	0.0009	0.0181	0.0089	0.0000047	0.0015

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G52C	50	7	12	3	7.5202	1.5451	0.0036	0.2226	0.0768	0.0063	0.0009	0.0183	0.0089	0.0000047	0.0015
G52C	50	7	13	3	7.7844	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G52C	50	7	14	3	8.0305	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G52C	50	7	15	3	8.1678	1.5432	0.0036	0.2226	0.0768	0.0064	0.0009	0.0186	0.0091	0.0000047	0.0015
G52C	50	7	16	3	8.1109	1.5432	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G52C	50	7	17	3	8.0845	1.5433	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G52C	50	7	18	3	7.9917	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0185	0.0091	0.0000047	0.0015
G52C	50	7	19	3	7.6890	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G52C	50	7	20	3	7.2629	1.5447	0.0036	0.2226	0.0768	0.0062	0.0009	0.0182	0.0089	0.0000047	0.0015
G52C	50	7	21	3	6.7034	1.5451	0.0036	0.2226	0.0768	0.0062	0.0009	0.0179	0.0088	0.0000047	0.0015
G52C	50	7	22	3	6.7034	1.5458	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G52C	50	7	23	3	6.7034	1.5450	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G52C	50	7	24	3	6.7034	1.5454	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	1	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	2	3	6.7034	1.5443	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	3	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	4	3	6.7034	1.5446	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	5	3	6.7034	1.5449	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	6	3	6.7034	1.5462	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	7	3	6.7034	1.5465	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	8	3	6.7034	1.5467	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	9	3	6.7034	1.5472	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	10	3	6.8522	1.5467	0.0036	0.2226	0.0768	0.0062	0.0009	0.0180	0.0088	0.0000047	0.0015
G53C	50	7	11	3	7.1633	1.5458	0.0036	0.2226	0.0768	0.0062	0.0009	0.0181	0.0089	0.0000047	0.0015
G53C	50	7	12	3	7.5202	1.5451	0.0036	0.2226	0.0768	0.0063	0.0009	0.0183	0.0089	0.0000047	0.0015
G53C	50	7	13	3	7.7844	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G53C	50	7	14	3	8.0305	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G53C	50	7	15	3	8.1678	1.5432	0.0036	0.2226	0.0768	0.0064	0.0009	0.0186	0.0091	0.0000047	0.0015
G53C	50	7	16	3	8.1109	1.5432	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G53C	50	7	17	3	8.0845	1.5433	0.0036	0.2226	0.0768	0.0063	0.0009	0.0186	0.0091	0.0000047	0.0015
G53C	50	7	18	3	7.9917	1.5443	0.0036	0.2226	0.0768	0.0063	0.0009	0.0185	0.0091	0.0000047	0.0015
G53C	50	7	19	3	7.6890	1.5447	0.0036	0.2226	0.0768	0.0063	0.0009	0.0184	0.0090	0.0000047	0.0015
G53C	50	7	20	3	7.2629	1.5447	0.0036	0.2226	0.0768	0.0062	0.0009	0.0182	0.0089	0.0000047	0.0015
G53C	50	7	21	3	6.7034	1.5451	0.0036	0.2226	0.0768	0.0062	0.0009	0.0179	0.0088	0.0000047	0.0015
G53C	50	7	22	3	6.7034	1.5458	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	23	3	6.7034	1.5450	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014
G53C	50	7	24	3	6.7034	1.5454	0.0036	0.2226	0.0768	0.0061	0.0009	0.0178	0.0088	0.0000047	0.0014

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G1C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G1C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G1C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G1C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G1C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G1C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G1C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G1C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G1C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G1C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G1C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G1C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G1C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G1C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G1C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G1C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G1C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G1C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G1C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G1C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G1C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G1C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G1C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G1C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G2C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G2C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G2C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G2C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G2C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G2C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G2C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G2C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G2C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G2C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G2C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G2C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G2C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G2C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G2C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G2C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G2C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G2C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G2C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G2C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G2C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G2C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G2C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G2C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G3C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G3C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G3C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G3C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G3C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G3C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G3C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G3C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G3C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G3C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G3C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G3C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G3C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G4C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G4C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G4C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G4C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G4C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G4C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G4C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G4C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G4C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G4C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G4C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G4C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G4C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G4C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G4C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G4C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G4C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G4C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G4C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G4C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G4C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G4C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G4C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G4C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G5C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G5C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G5C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G5C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G5C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G5C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G5C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G5C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G5C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G5C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G5C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G5C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G5C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G6C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G6C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G6C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G6C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G6C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G6C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G6C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G6C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G6C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G6C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G6C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G6C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G6C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G6C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G6C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G6C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G6C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G6C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G6C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G6C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G6C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G6C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G6C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G6C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G7C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G7C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G7C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G7C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G7C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G7C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G7C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G7C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G7C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G7C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G7C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G7C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G7C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G8C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G8C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G8C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G8C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G8C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G8C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G8C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G8C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G8C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G8C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G8C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G8C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G8C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G9C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G9C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G9C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G9C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G9C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G9C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G9C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G9C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G9C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G9C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G9C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G9C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G9C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G10C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G10C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G10C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G10C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G10C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G10C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G10C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G10C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G10C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G10C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G10C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G10C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G10C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G11C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G11C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G11C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G11C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G11C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G11C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G11C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G11C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G11C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G11C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G11C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G11C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G11C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G12C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G12C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G12C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G12C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G12C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G12C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G12C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G12C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G12C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G12C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G12C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G12C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G12C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G13C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G13C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G13C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G13C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G13C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G13C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G13C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G13C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G13C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G13C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G13C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G13C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G13C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G14C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G14C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G14C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G14C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G14C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G14C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G14C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G14C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G14C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G14C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G14C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G14C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G14C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G15C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G15C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G15C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G15C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G15C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G15C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G15C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G15C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G15C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G15C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G15C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G15C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G15C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G16C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G16C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G16C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G16C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G16C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G16C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G16C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G16C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G16C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G16C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G16C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G16C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G16C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G17C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G17C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G17C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G17C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G17C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G17C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G17C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0004751	0.0003	0.0000006	0.0000317
G17C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G17C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G17C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G17C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G17C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G17C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G17C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G17C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G17C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G17C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G17C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G17C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G17C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G17C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G17C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G17C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G17C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G18C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G18C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G18C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G18C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G18C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G18C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G18C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G18C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G18C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G18C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G18C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G18C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G18C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G19C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G19C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G19C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G19C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G19C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G19C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G19C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G19C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G19C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G19C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000851
G19C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000857
G19C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000865
G19C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000870
G19C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000875
G19C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000878
G19C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000877
G19C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000876
G19C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000874
G19C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.0000868
G19C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000859
G19C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000847
G19C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G19C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G19C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000851
G20C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000857

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G20C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000865
G20C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000870
G20C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000875
G20C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000878
G20C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000877
G20C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000876
G20C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000874
G20C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.0000868
G20C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000859
G20C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000847
G20C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G20C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000851
G21C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000857
G21C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000865
G21C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000870
G21C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000875
G21C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000878
G21C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000877
G21C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000876
G21C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000874
G21C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.0000868
G21C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000859
G21C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000847
G21C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G21C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000851
G22C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000857

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G22C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000865
G22C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000870
G22C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000875
G22C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000878
G22C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000877
G22C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000876
G22C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000874
G22C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.0000868
G22C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000859
G22C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000847
G22C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G22C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G23C	60	8	1	3	1.7995	0.1645	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G23C	60	8	2	3	1.7995	0.1645	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G23C	60	8	3	3	1.7995	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G23C	60	8	4	3	1.7995	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G23C	60	8	5	3	1.7995	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G23C	60	8	6	3	1.7995	0.1647	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G23C	60	8	7	3	1.7995	0.1648	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G23C	60	8	8	3	1.7995	0.1648	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G23C	60	8	9	3	1.7995	0.1648	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G23C	60	8	10	3	1.8593	0.1648	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000547
G23C	60	8	11	3	1.9346	0.1647	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000551
G23C	60	8	12	3	2.0211	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000555
G23C	60	8	13	3	2.0850	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000558
G23C	60	8	14	3	2.1446	0.1645	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000562
G23C	60	8	15	3	2.1779	0.1644	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000563
G23C	60	8	16	3	2.1641	0.1644	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000563
G23C	60	8	17	3	2.1577	0.1644	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000562
G23C	60	8	18	3	2.1353	0.1645	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000561
G23C	60	8	19	3	2.0619	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000557
G23C	60	8	20	3	1.9588	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000552
G23C	60	8	21	3	1.8161	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000545
G23C	60	8	22	3	1.7995	0.1647	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G23C	60	8	23	3	1.7995	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G23C	60	8	24	3	1.7995	0.1647	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.0000544
G24C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G24C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G24C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G24C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G24C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G24C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G24C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G24C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G24C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G24C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000642
G24C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000647

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G24C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000652
G24C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000656
G24C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G24C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000662
G24C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G24C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G24C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G24C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000655
G24C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000649
G24C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000640
G24C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G24C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G24C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000642
G25C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000647
G25C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000652
G25C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000656
G25C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G25C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000662
G25C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G25C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G25C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G25C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000655
G25C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000649
G25C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000640
G25C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G25C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G26C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G26C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G26C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G26C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G26C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G26C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G26C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G26C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G26C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G26C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000851
G26C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000857

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G26C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000865
G26C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000870
G26C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000875
G26C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000878
G26C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000877
G26C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000876
G26C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000874
G26C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.0000868
G26C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000859
G26C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000847
G26C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G26C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G26C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000851
G27C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000857
G27C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000865
G27C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000870
G27C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000875
G27C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000878
G27C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000877
G27C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000876
G27C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000874
G27C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.0000868
G27C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000859
G27C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000847
G27C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G27C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000851
G28C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000857

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G28C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000865
G28C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000870
G28C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000875
G28C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000878
G28C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000877
G28C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000876
G28C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000874
G28C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.0000868
G28C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000859
G28C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000847
G28C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G28C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000851
G29C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000857
G29C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000865
G29C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000870
G29C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000875
G29C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000878
G29C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000877
G29C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000876
G29C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.0000874
G29C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.0000868
G29C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000859
G29C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000847
G29C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G29C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.0000846
G30C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G30C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G30C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G30C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G30C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G30C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G30C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G30C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G30C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G30C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000642
G30C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000647

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G30C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000652
G30C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000656
G30C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G30C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000662
G30C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G30C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G30C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G30C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000655
G30C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000649
G30C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000640
G30C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G30C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G30C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000642
G31C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000647
G31C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000652
G31C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000656
G31C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G31C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000662
G31C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G31C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G31C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G31C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000655
G31C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000649
G31C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000640
G31C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G31C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G32C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G32C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G32C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G32C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G32C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G32C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G32C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G32C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G32C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G32C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G32C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G32C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G32C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G32C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G32C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G32C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G32C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G32C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G32C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G32C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G32C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G32C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G32C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G32C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G33C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G33C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G33C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G33C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G33C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G33C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G33C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G33C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G33C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G33C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G33C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G33C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G33C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G34C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000510
G34C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000514

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G34C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000518
G34C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000521
G34C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G34C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000526
G34C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G34C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G34C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G34C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000520
G34C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000515
G34C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G34C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000510
G35C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000514
G35C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000518
G35C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000521
G35C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G35C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000526
G35C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G35C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G35C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G35C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000520
G35C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000515
G35C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G35C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000510
G36C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000514

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G36C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000518
G36C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000521
G36C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G36C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000526
G36C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G36C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G36C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G36C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000520
G36C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000515
G36C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G36C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000510
G37C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000514
G37C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000518
G37C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000521
G37C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G37C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000526
G37C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G37C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G37C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G37C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000520
G37C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000515
G37C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G37C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000510
G38C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000514

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G38C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000518
G38C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000521
G38C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G38C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000526
G38C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G38C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G38C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G38C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000520
G38C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000515
G38C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G38C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000510
G39C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000514
G39C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000518
G39C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000521
G39C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G39C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000526
G39C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G39C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G39C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G39C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000520
G39C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000515
G39C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G39C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000510
G40C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000514

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G40C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000518
G40C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000521
G40C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G40C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000526
G40C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G40C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000525
G40C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.0000524
G40C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.0000520
G40C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000515
G40C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G40C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.0000508
G41C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000368
G41C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000370
G41C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000373
G41C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000375
G41C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G41C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000378
G41C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G41C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G41C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G41C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000374
G41C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000371
G41C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G41C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000368
G42C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000370

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G42C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000373
G42C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000375
G42C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G42C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000378
G42C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G42C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G42C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G42C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000374
G42C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000371
G42C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G42C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000368
G43C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000370
G43C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000373
G43C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000375
G43C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G43C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000378
G43C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G43C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G43C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G43C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000374
G43C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000371
G43C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G43C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000368
G44C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000370

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G44C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000373
G44C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000375
G44C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G44C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000378
G44C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G44C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G44C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G44C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000374
G44C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000371
G44C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G44C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000368
G45C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000370
G45C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000373
G45C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000375
G45C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G45C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000378
G45C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G45C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G45C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G45C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000374
G45C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000371
G45C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G45C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000368
G46C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000370

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G46C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000373
G46C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000375
G46C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G46C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000378
G46C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G46C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G46C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G46C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000374
G46C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000371
G46C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G46C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000368
G47C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000370
G47C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000373
G47C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000375
G47C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G47C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000378
G47C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G47C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G47C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G47C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000374
G47C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000371
G47C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G47C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000368
G48C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000370

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G48C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000373
G48C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000375
G48C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G48C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000378
G48C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G48C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G48C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G48C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000374
G48C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000371
G48C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G48C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G49C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G49C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G49C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G49C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G49C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G49C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G49C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G49C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G49C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G49C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G49C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321
G49C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G49C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G49C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G49C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G49C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G49C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G49C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G49C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G49C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G49C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G49C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G49C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G49C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000319
G50C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000321

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G50C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000323
G50C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G50C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G50C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000328
G50C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G50C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G50C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000327
G50C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000325
G50C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000322
G50C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000318
G50C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G50C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.0000317
G51C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000368
G51C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000370
G51C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000373
G51C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000375
G51C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G51C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000378
G51C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G51C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G51C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000377
G51C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000374
G51C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000371
G51C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G51C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.0000366
G52C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G52C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G52C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G52C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G52C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G52C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G52C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G52C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G52C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G52C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000642
G52C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000647

Hwy 401 Maitland: Car Emission Rate Summary Ta

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G52C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000652
G52C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000656
G52C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G52C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000662
G52C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G52C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G52C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G52C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000655
G52C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000649
G52C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000640
G52C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G52C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G52C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000642
G53C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000647
G53C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000652
G53C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000656
G53C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G53C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000662
G53C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G53C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000661
G53C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000660
G53C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000655
G53C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000649
G53C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000640
G53C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639
G53C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.0000639

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G1C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G1C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G1C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G1C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G1C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G1C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G1C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G1C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G1C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G1C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G1C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G1C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G1C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G1C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G1C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G1C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G1C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G1C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G1C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G1C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G1C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G1C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G1C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G1C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G2C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G2C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G2C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G2C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G2C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G2C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G2C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G2C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G2C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G2C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G2C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G2C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G2C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G3C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G3C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G3C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G3C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G3C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G3C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G3C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G3C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G3C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G3C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G3C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G3C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G3C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G4C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G4C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G4C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G4C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G4C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G4C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G4C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G4C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G4C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G4C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G4C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G4C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G4C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G5C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G5C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G5C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G5C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G5C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G5C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G5C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G5C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G5C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G5C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G5C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G5C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G5C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G6C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G6C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G6C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G6C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G6C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G6C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G6C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G6C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G6C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G6C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G6C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G6C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G6C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G6C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G6C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G6C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G6C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G6C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G6C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G6C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G6C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G6C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G6C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G6C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G7C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G7C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G7C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G7C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G7C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G7C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G7C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G7C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G7C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G7C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G7C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G7C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G7C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G8C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G8C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G8C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G8C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G8C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G8C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G8C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G8C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G8C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G8C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G8C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G8C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G8C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G9C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G9C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G9C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G9C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G9C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G9C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G9C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G9C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G9C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G9C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G9C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G9C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G9C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G10C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G10C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G10C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G10C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G10C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G10C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G10C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G10C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G10C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G10C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G10C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G10C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G10C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G11C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G11C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G11C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G11C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G11C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G11C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G11C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G11C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G11C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G11C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G11C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G11C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G11C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G11C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G11C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G11C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G11C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G11C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G11C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G11C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G11C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G11C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G11C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G11C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G12C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G12C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G12C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G12C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G12C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G12C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G12C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G12C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G12C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G12C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G12C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G12C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G12C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G13C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G13C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G13C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G13C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G13C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G13C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G13C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G13C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G13C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G13C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G13C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G13C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G13C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G14C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G14C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G14C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G14C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G14C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G14C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G14C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G14C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G14C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G14C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G14C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G14C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G14C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G15C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G15C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G15C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G15C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G15C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G15C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G15C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G15C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G15C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G15C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G15C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G15C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G15C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G16C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G16C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G16C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G16C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G16C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G16C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G16C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G16C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G16C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G16C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G16C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G16C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G16C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G16C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G16C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G16C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G16C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G16C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G16C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G16C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G16C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G16C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G16C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G16C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G17C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G17C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G17C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G17C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G17C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G17C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G17C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G17C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G17C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G17C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G17C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G17C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G17C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G18C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G18C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G18C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G18C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G18C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G18C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G18C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G18C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G18C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G18C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G18C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G18C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G18C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G19C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G19C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G19C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G19C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G19C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G19C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G19C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G19C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G19C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G19C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G19C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502
G19C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G19C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G19C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G19C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G19C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G19C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G19C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G19C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G19C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G19C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G19C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G19C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G19C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G20C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502
G20C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G20C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G20C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G20C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G20C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G20C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G20C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G20C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G20C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G20C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G20C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G20C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G21C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G21C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G21C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G21C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G21C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G21C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G21C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G21C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G21C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G21C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G21C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502
G21C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G21C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G21C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G21C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G21C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G21C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G21C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G21C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G21C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G21C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G21C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G21C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G21C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G22C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502
G22C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G22C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G22C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G22C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G22C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G22C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G22C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G22C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G22C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G22C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G22C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G22C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G23C	60	8	1	3	1.7995	0.1645	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G23C	60	8	2	3	1.7995	0.1645	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G23C	60	8	3	3	1.7995	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G23C	60	8	4	3	1.7995	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G23C	60	8	5	3	1.7995	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G23C	60	8	6	3	1.7995	0.1647	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G23C	60	8	7	3	1.7995	0.1648	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G23C	60	8	8	3	1.7995	0.1648	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G23C	60	8	9	3	1.7995	0.1648	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G23C	60	8	10	3	1.8593	0.1648	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000055	644.4064	0.0139354	0.0445
G23C	60	8	11	3	1.9346	0.1647	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000055	649.8473	0.0140399	0.0445
G23C	60	8	12	3	2.0211	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000056	656.0897	0.0141597	0.0445
G23C	60	8	13	3	2.0850	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000056	660.7117	0.0142484	0.0445
G23C	60	8	14	3	2.1446	0.1645	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000056	665.0143	0.0143311	0.0445
G23C	60	8	15	3	2.1779	0.1644	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000056	667.4157	0.0143772	0.0445
G23C	60	8	16	3	2.1641	0.1644	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000056	666.4204	0.0143581	0.0445
G23C	60	8	17	3	2.1577	0.1644	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000056	665.9597	0.0143492	0.0445
G23C	60	8	18	3	2.1353	0.1645	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000056	664.3356	0.0143180	0.0445
G23C	60	8	19	3	2.0619	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000056	659.0430	0.0142164	0.0445
G23C	60	8	20	3	1.9588	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000055	651.5908	0.0140733	0.0445

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G23C	60	8	21	3	1.8161	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	641.2904	0.0138756	0.0445
G23C	60	8	22	3	1.7995	0.1647	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G23C	60	8	23	3	1.7995	0.1646	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G23C	60	8	24	3	1.7995	0.1647	0.0027	0.1338	0.0201	0.0017	0.0000	0.0007	0.0006	0.0000007	0.000054	640.0877	0.0138525	0.0445
G24C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G24C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G24C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G24C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G24C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G24C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G24C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G24C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G24C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G24C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	676.4336	0.0161232	0.0469
G24C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	682.3503	0.0162450	0.0469
G24C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	689.1384	0.0163846	0.0469
G24C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	694.1643	0.0164880	0.0469
G24C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.8433	0.0165842	0.0469
G24C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	701.4555	0.0166380	0.0469
G24C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	700.3736	0.0166157	0.0469
G24C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	699.8712	0.0166054	0.0469
G24C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.1059	0.0165691	0.0469
G24C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	692.3498	0.0164507	0.0469
G24C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	684.2463	0.0162840	0.0469
G24C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	673.0448	0.0160535	0.0469
G24C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G24C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G24C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	676.4336	0.0161232	0.0469
G25C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	682.3503	0.0162450	0.0469
G25C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	689.1384	0.0163846	0.0469
G25C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	694.1643	0.0164880	0.0469
G25C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.8433	0.0165842	0.0469
G25C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	701.4555	0.0166380	0.0469
G25C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	700.3736	0.0166157	0.0469
G25C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	699.8712	0.0166054	0.0469
G25C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.1059	0.0165691	0.0469
G25C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	692.3498	0.0164507	0.0469
G25C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	684.2463	0.0162840	0.0469
G25C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	673.0448	0.0160535	0.0469
G25C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G25C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G26C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G26C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G26C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G26C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G26C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G26C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G26C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G26C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G26C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G26C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G26C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G26C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G26C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G26C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G26C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G26C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G26C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G26C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G26C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G26C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G26C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G26C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G26C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G26C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G27C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502
G27C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G27C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G27C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G27C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G27C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G27C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G27C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G27C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G27C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G27C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G27C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G27C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G28C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502
G28C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G28C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G28C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G28C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G28C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G28C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G28C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G28C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G28C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G28C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G28C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G28C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G29C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G29C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G29C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G29C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G29C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G29C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G29C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G29C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G29C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G29C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G29C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502
G29C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G29C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G29C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G29C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G29C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G29C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G29C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G29C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G29C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G29C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G29C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G29C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G29C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G30C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G30C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G30C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G30C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G30C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G30C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G30C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G30C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G30C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G30C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	676.4336	0.0161232	0.0469
G30C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	682.3503	0.0162450	0.0469
G30C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	689.1384	0.0163846	0.0469
G30C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	694.1643	0.0164880	0.0469
G30C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.8433	0.0165842	0.0469
G30C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	701.4555	0.0166380	0.0469
G30C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	700.3736	0.0166157	0.0469
G30C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	699.8712	0.0166054	0.0469
G30C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.1059	0.0165691	0.0469
G30C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	692.3498	0.0164507	0.0469
G30C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	684.2463	0.0162840	0.0469
G30C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	673.0448	0.0160535	0.0469
G30C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G30C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G30C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	676.4336	0.0161232	0.0469
G31C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	682.3503	0.0162450	0.0469
G31C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	689.1384	0.0163846	0.0469
G31C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	694.1643	0.0164880	0.0469
G31C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.8433	0.0165842	0.0469
G31C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	701.4555	0.0166380	0.0469
G31C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	700.3736	0.0166157	0.0469
G31C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	699.8712	0.0166054	0.0469

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G31C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.1059	0.0165691	0.0469
G31C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	692.3498	0.0164507	0.0469
G31C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	684.2463	0.0162840	0.0469
G31C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	673.0448	0.0160535	0.0469
G31C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G31C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G32C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G32C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G32C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G32C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G32C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G32C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G32C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G32C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G32C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G32C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G32C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G32C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G32C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G32C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G32C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G32C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G32C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G32C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G32C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G32C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G32C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G32C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G32C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G32C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G33C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G33C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G33C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G33C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G33C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G33C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G33C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G33C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G33C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G33C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G33C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G33C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G33C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G34C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G34C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G34C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G34C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G34C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G34C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G34C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G34C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G34C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G34C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	627.5079	0.0128798	0.0423
G34C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	632.9227	0.0129766	0.0423
G34C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	639.1362	0.0130876	0.0423
G34C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	643.7348	0.0131697	0.0423
G34C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.0186	0.0132462	0.0423
G34C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	650.4101	0.0132889	0.0423
G34C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	649.4185	0.0132712	0.0423
G34C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.9594	0.0132630	0.0423
G34C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	647.3435	0.0132342	0.0423
G34C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	642.0746	0.0131401	0.0423
G34C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000052	634.6579	0.0130076	0.0423
G34C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	624.4076	0.0128244	0.0423
G34C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G34C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G34C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	627.5079	0.0128798	0.0423
G35C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	632.9227	0.0129766	0.0423
G35C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	639.1362	0.0130876	0.0423
G35C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	643.7348	0.0131697	0.0423
G35C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.0186	0.0132462	0.0423
G35C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	650.4101	0.0132889	0.0423
G35C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	649.4185	0.0132712	0.0423
G35C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.9594	0.0132630	0.0423
G35C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	647.3435	0.0132342	0.0423
G35C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	642.0746	0.0131401	0.0423
G35C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000052	634.6579	0.0130076	0.0423
G35C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	624.4076	0.0128244	0.0423
G35C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G35C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G36C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G36C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G36C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G36C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G36C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G36C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G36C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G36C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G36C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G36C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	627.5079	0.0128798	0.0423
G36C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	632.9227	0.0129766	0.0423
G36C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	639.1362	0.0130876	0.0423
G36C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	643.7348	0.0131697	0.0423
G36C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.0186	0.0132462	0.0423
G36C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	650.4101	0.0132889	0.0423
G36C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	649.4185	0.0132712	0.0423
G36C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.9594	0.0132630	0.0423
G36C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	647.3435	0.0132342	0.0423
G36C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	642.0746	0.0131401	0.0423
G36C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000052	634.6579	0.0130076	0.0423
G36C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	624.4076	0.0128244	0.0423
G36C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G36C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G36C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	627.5079	0.0128798	0.0423
G37C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	632.9227	0.0129766	0.0423
G37C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	639.1362	0.0130876	0.0423
G37C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	643.7348	0.0131697	0.0423
G37C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.0186	0.0132462	0.0423
G37C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	650.4101	0.0132889	0.0423
G37C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	649.4185	0.0132712	0.0423
G37C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.9594	0.0132630	0.0423
G37C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	647.3435	0.0132342	0.0423
G37C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	642.0746	0.0131401	0.0423
G37C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000052	634.6579	0.0130076	0.0423
G37C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	624.4076	0.0128244	0.0423
G37C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G37C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	627.5079	0.0128798	0.0423
G38C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	632.9227	0.0129766	0.0423
G38C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	639.1362	0.0130876	0.0423
G38C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	643.7348	0.0131697	0.0423
G38C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.0186	0.0132462	0.0423
G38C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	650.4101	0.0132889	0.0423
G38C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	649.4185	0.0132712	0.0423
G38C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.9594	0.0132630	0.0423
G38C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	647.3435	0.0132342	0.0423
G38C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	642.0746	0.0131401	0.0423
G38C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000052	634.6579	0.0130076	0.0423
G38C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	624.4076	0.0128244	0.0423
G38C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G38C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	627.5079	0.0128798	0.0423
G39C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	632.9227	0.0129766	0.0423
G39C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	639.1362	0.0130876	0.0423
G39C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	643.7348	0.0131697	0.0423
G39C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.0186	0.0132462	0.0423

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G39C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	650.4101	0.0132889	0.0423
G39C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	649.4185	0.0132712	0.0423
G39C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.9594	0.0132630	0.0423
G39C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	647.3435	0.0132342	0.0423
G39C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	642.0746	0.0131401	0.0423
G39C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000052	634.6579	0.0130076	0.0423
G39C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	624.4076	0.0128244	0.0423
G39C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G39C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	1	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	2	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	3	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	4	2	1.7015	0.1549	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	5	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	6	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	7	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	8	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	9	2	1.7015	0.1552	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	10	2	1.7568	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	627.5079	0.0128798	0.0423
G40C	60	8	11	2	1.8265	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	632.9227	0.0129766	0.0423
G40C	60	8	12	2	1.9064	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	639.1362	0.0130876	0.0423
G40C	60	8	13	2	1.9656	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	643.7348	0.0131697	0.0423
G40C	60	8	14	2	2.0207	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.0186	0.0132462	0.0423
G40C	60	8	15	2	2.0514	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	650.4101	0.0132889	0.0423
G40C	60	8	16	2	2.0387	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000053	649.4185	0.0132712	0.0423
G40C	60	8	17	2	2.0328	0.1548	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	648.9594	0.0132630	0.0423
G40C	60	8	18	2	2.0120	0.1549	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0006	0.0000006	0.000052	647.3435	0.0132342	0.0423
G40C	60	8	19	2	1.9442	0.1550	0.0027	0.1303	0.0194	0.0017	0.0000	0.0007	0.0005	0.0000006	0.000052	642.0746	0.0131401	0.0423
G40C	60	8	20	2	1.8488	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000052	634.6579	0.0130076	0.0423
G40C	60	8	21	2	1.7169	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	624.4076	0.0128244	0.0423
G40C	60	8	22	2	1.7015	0.1551	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	23	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G40C	60	8	24	2	1.7015	0.1550	0.0027	0.1303	0.0194	0.0016	0.0000	0.0007	0.0005	0.0000006	0.000051	623.2101	0.0128031	0.0423
G41C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G41C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G41C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G41C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G41C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G41C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G41C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G41C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G41C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G41C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	598.1567	0.0098027	0.0405
G41C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	602.8176	0.0098745	0.0405
G41C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	608.1671	0.0099569	0.0405
G41C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	612.1266	0.0100179	0.0405
G41C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.8133	0.0100747	0.0405
G41C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.8704	0.0101064	0.0405
G41C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.0187	0.0100932	0.0405
G41C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	616.6230	0.0100872	0.0405
G41C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.2323	0.0100657	0.0405
G41C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	610.6962	0.0099959	0.0405
G41C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	604.3115	0.0098975	0.0405
G41C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	595.4871	0.0097616	0.0405
G41C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G41C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G41C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G42C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G42C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G42C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G42C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G42C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G42C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G42C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G42C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G42C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G42C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	598.1567	0.0098027	0.0405
G42C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	602.8176	0.0098745	0.0405
G42C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	608.1671	0.0099569	0.0405
G42C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	612.1266	0.0100179	0.0405
G42C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.8133	0.0100747	0.0405
G42C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.8704	0.0101064	0.0405
G42C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.0187	0.0100932	0.0405
G42C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	616.6230	0.0100872	0.0405
G42C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.2323	0.0100657	0.0405
G42C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	610.6962	0.0099959	0.0405
G42C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	604.3115	0.0098975	0.0405
G42C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	595.4871	0.0097616	0.0405
G42C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G42C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G42C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	598.1567	0.0098027	0.0405
G43C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	602.8176	0.0098745	0.0405
G43C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	608.1671	0.0099569	0.0405
G43C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	612.1266	0.0100179	0.0405
G43C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.8133	0.0100747	0.0405
G43C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.8704	0.0101064	0.0405
G43C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.0187	0.0100932	0.0405
G43C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	616.6230	0.0100872	0.0405
G43C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.2323	0.0100657	0.0405
G43C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	610.6962	0.0099959	0.0405
G43C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	604.3115	0.0098975	0.0405
G43C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	595.4871	0.0097616	0.0405
G43C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G43C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	598.1567	0.0098027	0.0405
G44C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	602.8176	0.0098745	0.0405
G44C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	608.1671	0.0099569	0.0405
G44C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	612.1266	0.0100179	0.0405
G44C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.8133	0.0100747	0.0405
G44C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.8704	0.0101064	0.0405
G44C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.0187	0.0100932	0.0405
G44C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	616.6230	0.0100872	0.0405
G44C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.2323	0.0100657	0.0405
G44C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	610.6962	0.0099959	0.0405
G44C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	604.3115	0.0098975	0.0405

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G44C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	595.4871	0.0097616	0.0405
G44C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G44C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	598.1567	0.0098027	0.0405
G45C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	602.8176	0.0098745	0.0405
G45C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	608.1671	0.0099569	0.0405
G45C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	612.1266	0.0100179	0.0405
G45C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.8133	0.0100747	0.0405
G45C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.8704	0.0101064	0.0405
G45C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.0187	0.0100932	0.0405
G45C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	616.6230	0.0100872	0.0405
G45C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.2323	0.0100657	0.0405
G45C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	610.6962	0.0099959	0.0405
G45C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	604.3115	0.0098975	0.0405
G45C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	595.4871	0.0097616	0.0405
G45C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G45C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	598.1567	0.0098027	0.0405
G46C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	602.8176	0.0098745	0.0405
G46C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	608.1671	0.0099569	0.0405
G46C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	612.1266	0.0100179	0.0405
G46C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.8133	0.0100747	0.0405
G46C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.8704	0.0101064	0.0405
G46C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.0187	0.0100932	0.0405
G46C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	616.6230	0.0100872	0.0405
G46C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.2323	0.0100657	0.0405
G46C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	610.6962	0.0099959	0.0405
G46C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	604.3115	0.0098975	0.0405
G46C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	595.4871	0.0097616	0.0405
G46C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G46C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	598.1567	0.0098027	0.0405
G47C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	602.8176	0.0098745	0.0405

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G47C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	608.1671	0.0099569	0.0405
G47C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	612.1266	0.0100179	0.0405
G47C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.8133	0.0100747	0.0405
G47C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.8704	0.0101064	0.0405
G47C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.0187	0.0100932	0.0405
G47C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	616.6230	0.0100872	0.0405
G47C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.2323	0.0100657	0.0405
G47C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	610.6962	0.0099959	0.0405
G47C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	604.3115	0.0098975	0.0405
G47C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	595.4871	0.0097616	0.0405
G47C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G47C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	598.1567	0.0098027	0.0405
G48C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	602.8176	0.0098745	0.0405
G48C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	608.1671	0.0099569	0.0405
G48C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	612.1266	0.0100179	0.0405
G48C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.8133	0.0100747	0.0405
G48C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.8704	0.0101064	0.0405
G48C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.0187	0.0100932	0.0405
G48C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	616.6230	0.0100872	0.0405
G48C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.2323	0.0100657	0.0405
G48C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	610.6962	0.0099959	0.0405
G48C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	604.3115	0.0098975	0.0405
G48C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	595.4871	0.0097616	0.0405
G48C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G48C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G49C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G49C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G49C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G49C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G49C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G49C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G49C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G49C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G49C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G49C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G49C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G49C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G49C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G49C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G49C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G49C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G49C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G49C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G49C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G49C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G49C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G49C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G49C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G49C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G50C	100	13	1	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G50C	100	13	2	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G50C	100	13	3	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G50C	100	13	4	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G50C	100	13	5	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G50C	100	13	6	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G50C	100	13	7	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G50C	100	13	8	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G50C	100	13	9	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G50C	100	13	10	2	1.6064	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	577.9121	0.0087618	0.0388
G50C	100	13	11	2	1.6674	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	582.2230	0.0088257	0.0388
G50C	100	13	12	2	1.7373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	587.1686	0.0088991	0.0388
G50C	100	13	13	2	1.7891	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	590.8294	0.0089534	0.0388
G50C	100	13	14	2	1.8373	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.2391	0.0090039	0.0388
G50C	100	13	15	2	1.8642	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	596.1424	0.0090321	0.0388
G50C	100	13	16	2	1.8531	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	595.3533	0.0090204	0.0388
G50C	100	13	17	2	1.8479	0.1054	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	594.9885	0.0090150	0.0388
G50C	100	13	18	2	1.8297	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000033	593.7018	0.0089959	0.0388
G50C	100	13	19	2	1.7704	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	589.5084	0.0089337	0.0388
G50C	100	13	20	2	1.6869	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	583.6044	0.0088462	0.0388
G50C	100	13	21	2	1.5715	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	575.4431	0.0087252	0.0388
G50C	100	13	22	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G50C	100	13	23	2	1.5580	0.1055	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G50C	100	13	24	2	1.5580	0.1056	0.0024	0.0435	0.0084	0.0013	0.0000	0.0005	0.0003	0.0000006	0.000032	574.4905	0.0087110	0.0388
G51C	80	11	1	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G51C	80	11	2	2	1.5818	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G51C	80	11	3	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G51C	80	11	4	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G51C	80	11	5	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G51C	80	11	6	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G51C	80	11	7	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G51C	80	11	8	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G51C	80	11	9	2	1.5818	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G51C	80	11	10	2	1.6311	0.1191	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	598.1567	0.0098027	0.0405
G51C	80	11	11	2	1.6933	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	602.8176	0.0098745	0.0405
G51C	80	11	12	2	1.7646	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	608.1671	0.0099569	0.0405
G51C	80	11	13	2	1.8174	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	612.1266	0.0100179	0.0405
G51C	80	11	14	2	1.8665	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.8133	0.0100747	0.0405
G51C	80	11	15	2	1.8940	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.8704	0.0101064	0.0405
G51C	80	11	16	2	1.8826	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	617.0187	0.0100932	0.0405
G51C	80	11	17	2	1.8773	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	616.6230	0.0100872	0.0405
G51C	80	11	18	2	1.8588	0.1189	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000038	615.2323	0.0100657	0.0405
G51C	80	11	19	2	1.7983	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	610.6962	0.0099959	0.0405
G51C	80	11	20	2	1.7132	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	604.3115	0.0098975	0.0405
G51C	80	11	21	2	1.5955	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	595.4871	0.0097616	0.0405
G51C	80	11	22	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G51C	80	11	23	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G51C	80	11	24	2	1.5818	0.1190	0.0025	0.0684	0.0116	0.0014	0.0000	0.0005	0.0004	0.0000006	0.000037	594.4560	0.0097457	0.0405
G52C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G52C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G52C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G52C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G52C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G52C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G52C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G52C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G52C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G52C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	676.4336	0.0161232	0.0469
G52C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	682.3503	0.0162450	0.0469
G52C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	689.1384	0.0163846	0.0469
G52C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	694.1643	0.0164880	0.0469
G52C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.8433	0.0165842	0.0469
G52C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	701.4555	0.0166380	0.0469
G52C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	700.3736	0.0166157	0.0469
G52C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	699.8712	0.0166054	0.0469

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Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G52C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.1059	0.0165691	0.0469
G52C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	692.3498	0.0164507	0.0469
G52C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	684.2463	0.0162840	0.0469
G52C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	673.0448	0.0160535	0.0469
G52C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G52C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G52C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	1	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	2	3	1.9236	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	3	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	4	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	5	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	6	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	7	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	8	3	1.9236	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	9	3	1.9236	0.1883	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	10	3	1.9891	0.1882	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	676.4336	0.0161232	0.0469
G53C	50	7	11	3	2.0716	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	682.3503	0.0162450	0.0469
G53C	50	7	12	3	2.1662	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	689.1384	0.0163846	0.0469
G53C	50	7	13	3	2.2362	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	694.1643	0.0164880	0.0469
G53C	50	7	14	3	2.3014	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.8433	0.0165842	0.0469
G53C	50	7	15	3	2.3379	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	701.4555	0.0166380	0.0469
G53C	50	7	16	3	2.3228	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	700.3736	0.0166157	0.0469
G53C	50	7	17	3	2.3158	0.1878	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	699.8712	0.0166054	0.0469
G53C	50	7	18	3	2.2912	0.1879	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000066	698.1059	0.0165691	0.0469
G53C	50	7	19	3	2.2109	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	692.3498	0.0164507	0.0469
G53C	50	7	20	3	2.0980	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000065	684.2463	0.0162840	0.0469
G53C	50	7	21	3	1.9419	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	673.0448	0.0160535	0.0469
G53C	50	7	22	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	23	3	1.9236	0.1880	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G53C	50	7	24	3	1.9236	0.1881	0.0029	0.1701	0.0247	0.0019	0.0000	0.0008	0.0007	0.0000007	0.000064	671.7358	0.0160266	0.0469
G58C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G58C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G58C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G58C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G58C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G58C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G58C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G58C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G58C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G58C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G58C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502
G58C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G58C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G58C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G58C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G58C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G58C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G58C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G58C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G58C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G58C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G58C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G58C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G58C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G59C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G59C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G59C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G59C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G59C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G59C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G59C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G59C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G59C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G59C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G59C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502
G59C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G59C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G59C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G59C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G59C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G59C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G59C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G59C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G59C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G59C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G59C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G59C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G59C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G60C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502
G60C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G60C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G60C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G60C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G60C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G60C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G60C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G60C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G60C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G60C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G60C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G60C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G61C	30	5	1	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G61C	30	5	2	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G61C	30	5	3	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G61C	30	5	4	2	2.0922	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G61C	30	5	5	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G61C	30	5	6	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G61C	30	5	7	2	2.0922	0.2417	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G61C	30	5	8	2	2.0922	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G61C	30	5	9	2	2.0922	0.2419	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G61C	30	5	10	2	2.1632	0.2418	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	759.3365	0.0201233	0.0502
G61C	30	5	11	2	2.2526	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	767.0101	0.0202780	0.0502
G61C	30	5	12	2	2.3551	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	775.8128	0.0204552	0.0502
G61C	30	5	13	2	2.4310	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	782.3309	0.0205865	0.0502
G61C	30	5	14	2	2.5017	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	788.3987	0.0207087	0.0502
G61C	30	5	15	2	2.5412	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	791.7869	0.0207770	0.0502
G61C	30	5	16	2	2.5248	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	790.3821	0.0207487	0.0502
G61C	30	5	17	2	2.5173	0.2412	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000088	789.7314	0.0207356	0.0502
G61C	30	5	18	2	2.4906	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0011	0.0009	0.0000006	0.000087	787.4426	0.0206895	0.0502
G61C	30	5	19	2	2.4036	0.2414	0.0032	0.2545	0.0350	0.0024	0.0000	0.0010	0.0009	0.0000006	0.000087	779.9772	0.0205391	0.0502
G61C	30	5	20	2	2.2812	0.2414	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000086	769.4686	0.0203274	0.0502
G61C	30	5	21	2	2.1120	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	754.9422	0.0200349	0.0502
G61C	30	5	22	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G61C	30	5	23	2	2.0922	0.2415	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2041 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G61C	30	5	24	2	2.0922	0.2416	0.0032	0.2545	0.0350	0.0023	0.0000	0.0010	0.0009	0.0000006	0.000085	753.2462	0.0200007	0.0502
G62C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G62C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G62C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G62C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G62C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G62C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G62C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G62C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G62C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G62C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G62C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G62C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G62C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G62C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G62C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G62C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G62C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G62C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G62C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G62C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G62C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G62C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G62C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G62C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G63C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G63C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G63C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G63C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G63C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G63C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G63C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G63C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G63C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G63C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G63C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G63C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G63C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398

AECOM

Hwy 401 Maitland: Signalized Sources Car Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G54C	0	0	1	1	19.6345	13.6398	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G54C	0	0	2	1	19.6345	13.6403	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G54C	0	0	3	1	19.6345	13.6435	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G54C	0	0	4	1	19.6345	13.6427	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G54C	0	0	5	1	19.6345	13.6465	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G54C	0	0	6	1	19.6345	13.6599	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G54C	0	0	7	1	19.6345	13.6631	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G54C	0	0	8	1	19.6345	13.6650	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G54C	0	0	9	1	19.6345	13.6701	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G54C	0	0	10	1	19.6345	13.9754	0.0302	1.1906	1.0947	0.0371	0.0098	0.2430	0.1152	0.000139	0.0202
G54C	0	0	11	1	19.6345	16.8266	0.0302	1.1906	1.0947	0.0373	0.0098	0.2439	0.1156	0.000139	0.0203
G54C	0	0	12	1	19.6410	20.1005	0.0302	1.1906	1.0947	0.0374	0.0098	0.2449	0.1160	0.000139	0.0203
G54C	0	0	13	1	19.7265	22.5892	0.0302	1.1906	1.0947	0.0375	0.0099	0.2456	0.1164	0.000139	0.0204
G54C	0	0	14	1	19.8201	24.7886	0.0304	1.1906	1.0947	0.0376	0.0099	0.2463	0.1167	0.000139	0.0205
G54C	0	0	15	1	19.8726	26.1230	0.0306	1.1906	1.0947	0.0377	0.0099	0.2467	0.1169	0.000139	0.0205
G54C	0	0	16	1	19.8509	25.6513	0.0305	1.1906	1.0947	0.0377	0.0099	0.2465	0.1168	0.000139	0.0205
G54C	0	0	17	1	19.8408	25.3594	0.0305	1.1906	1.0947	0.0377	0.0099	0.2465	0.1168	0.000139	0.0205
G54C	0	0	18	1	19.8052	24.4854	0.0303	1.1906	1.0947	0.0376	0.0099	0.2462	0.1166	0.000139	0.0205
G54C	0	0	19	1	19.6937	21.6447	0.0302	1.1906	1.0947	0.0375	0.0099	0.2453	0.1162	0.000139	0.0204
G54C	0	0	20	1	19.6345	17.7142	0.0302	1.1906	1.0947	0.0373	0.0098	0.2441	0.1157	0.000139	0.0203
G54C	0	0	21	1	19.6345	13.6487	0.0302	1.1906	1.0947	0.0371	0.0097	0.2425	0.1150	0.000139	0.0202
G54C	0	0	22	1	19.6345	13.6563	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G54C	0	0	23	1	19.6345	13.6475	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G54C	0	0	24	1	19.6345	13.6520	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	1	1	19.6345	13.6398	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	2	1	19.6345	13.6403	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	3	1	19.6345	13.6435	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	4	1	19.6345	13.6427	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	5	1	19.6345	13.6465	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	6	1	19.6345	13.6599	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	7	1	19.6345	13.6631	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	8	1	19.6345	13.6650	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	9	1	19.6345	13.6701	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	10	1	19.6345	13.9754	0.0302	1.1906	1.0947	0.0371	0.0098	0.2430	0.1152	0.000139	0.0202
G55C	0	0	11	1	19.6345	16.8266	0.0302	1.1906	1.0947	0.0373	0.0098	0.2439	0.1156	0.000139	0.0203
G55C	0	0	12	1	19.6410	20.1005	0.0302	1.1906	1.0947	0.0374	0.0098	0.2449	0.1160	0.000139	0.0203
G55C	0	0	13	1	19.7265	22.5892	0.0302	1.1906	1.0947	0.0375	0.0099	0.2456	0.1164	0.000139	0.0204
G55C	0	0	14	1	19.8201	24.7886	0.0304	1.1906	1.0947	0.0376	0.0099	0.2463	0.1167	0.000139	0.0205

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Hwy 401 Maitland: Signalized Sources Car Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G55C	0	0	15	1	19.8726	26.1230	0.0306	1.1906	1.0947	0.0377	0.0099	0.2467	0.1169	0.000139	0.0205
G55C	0	0	16	1	19.8509	25.6513	0.0305	1.1906	1.0947	0.0377	0.0099	0.2465	0.1168	0.000139	0.0205
G55C	0	0	17	1	19.8408	25.3594	0.0305	1.1906	1.0947	0.0377	0.0099	0.2465	0.1168	0.000139	0.0205
G55C	0	0	18	1	19.8052	24.4854	0.0303	1.1906	1.0947	0.0376	0.0099	0.2462	0.1166	0.000139	0.0205
G55C	0	0	19	1	19.6937	21.6447	0.0302	1.1906	1.0947	0.0375	0.0099	0.2453	0.1162	0.000139	0.0204
G55C	0	0	20	1	19.6345	17.7142	0.0302	1.1906	1.0947	0.0373	0.0098	0.2441	0.1157	0.000139	0.0203
G55C	0	0	21	1	19.6345	13.6487	0.0302	1.1906	1.0947	0.0371	0.0097	0.2425	0.1150	0.000139	0.0202
G55C	0	0	22	1	19.6345	13.6563	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	23	1	19.6345	13.6475	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G55C	0	0	24	1	19.6345	13.6520	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	1	1	19.6345	13.6398	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	2	1	19.6345	13.6403	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	3	1	19.6345	13.6435	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	4	1	19.6345	13.6427	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	5	1	19.6345	13.6465	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	6	1	19.6345	13.6599	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	7	1	19.6345	13.6631	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	8	1	19.6345	13.6650	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	9	1	19.6345	13.6701	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	10	1	19.6345	13.9754	0.0302	1.1906	1.0947	0.0371	0.0098	0.2430	0.1152	0.000139	0.0202
G56C	0	0	11	1	19.6345	16.8266	0.0302	1.1906	1.0947	0.0373	0.0098	0.2439	0.1156	0.000139	0.0203
G56C	0	0	12	1	19.6410	20.1005	0.0302	1.1906	1.0947	0.0374	0.0098	0.2449	0.1160	0.000139	0.0203
G56C	0	0	13	1	19.7265	22.5892	0.0302	1.1906	1.0947	0.0375	0.0099	0.2456	0.1164	0.000139	0.0204
G56C	0	0	14	1	19.8201	24.7886	0.0304	1.1906	1.0947	0.0376	0.0099	0.2463	0.1167	0.000139	0.0205
G56C	0	0	15	1	19.8726	26.1230	0.0306	1.1906	1.0947	0.0377	0.0099	0.2467	0.1169	0.000139	0.0205
G56C	0	0	16	1	19.8509	25.6513	0.0305	1.1906	1.0947	0.0377	0.0099	0.2465	0.1168	0.000139	0.0205
G56C	0	0	17	1	19.8408	25.3594	0.0305	1.1906	1.0947	0.0377	0.0099	0.2465	0.1168	0.000139	0.0205
G56C	0	0	18	1	19.8052	24.4854	0.0303	1.1906	1.0947	0.0376	0.0099	0.2462	0.1166	0.000139	0.0205
G56C	0	0	19	1	19.6937	21.6447	0.0302	1.1906	1.0947	0.0375	0.0099	0.2453	0.1162	0.000139	0.0204

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Hwy 401 Maitland: Signalized Sources Car Summary Table

Source Information					2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G56C	0	0	20	1	19.6345	17.7142	0.0302	1.1906	1.0947	0.0373	0.0098	0.2441	0.1157	0.000139	0.0203
G56C	0	0	21	1	19.6345	13.6487	0.0302	1.1906	1.0947	0.0371	0.0097	0.2425	0.1150	0.000139	0.0202
G56C	0	0	22	1	19.6345	13.6563	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	23	1	19.6345	13.6475	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G56C	0	0	24	1	19.6345	13.6520	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	1	1	19.6345	13.6398	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	2	1	19.6345	13.6403	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	3	1	19.6345	13.6435	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	4	1	19.6345	13.6427	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	5	1	19.6345	13.6465	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	6	1	19.6345	13.6599	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	7	1	19.6345	13.6631	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	8	1	19.6345	13.6650	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	9	1	19.6345	13.6701	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	10	1	19.6345	13.9754	0.0302	1.1906	1.0947	0.0371	0.0098	0.2430	0.1152	0.000139	0.0202
G57C	0	0	11	1	19.6345	16.8266	0.0302	1.1906	1.0947	0.0373	0.0098	0.2439	0.1156	0.000139	0.0203
G57C	0	0	12	1	19.6410	20.1005	0.0302	1.1906	1.0947	0.0374	0.0098	0.2449	0.1160	0.000139	0.0203
G57C	0	0	13	1	19.7265	22.5892	0.0302	1.1906	1.0947	0.0375	0.0099	0.2456	0.1164	0.000139	0.0204
G57C	0	0	14	1	19.8201	24.7886	0.0304	1.1906	1.0947	0.0376	0.0099	0.2463	0.1167	0.000139	0.0205
G57C	0	0	15	1	19.8726	26.1230	0.0306	1.1906	1.0947	0.0377	0.0099	0.2467	0.1169	0.000139	0.0205
G57C	0	0	16	1	19.8509	25.6513	0.0305	1.1906	1.0947	0.0377	0.0099	0.2465	0.1168	0.000139	0.0205
G57C	0	0	17	1	19.8408	25.3594	0.0305	1.1906	1.0947	0.0377	0.0099	0.2465	0.1168	0.000139	0.0205
G57C	0	0	18	1	19.8052	24.4854	0.0303	1.1906	1.0947	0.0376	0.0099	0.2462	0.1166	0.000139	0.0205
G57C	0	0	19	1	19.6937	21.6447	0.0302	1.1906	1.0947	0.0375	0.0099	0.2453	0.1162	0.000139	0.0204
G57C	0	0	20	1	19.6345	17.7142	0.0302	1.1906	1.0947	0.0373	0.0098	0.2441	0.1157	0.000139	0.0203
G57C	0	0	21	1	19.6345	13.6487	0.0302	1.1906	1.0947	0.0371	0.0097	0.2425	0.1150	0.000139	0.0202
G57C	0	0	22	1	19.6345	13.6563	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	23	1	19.6345	13.6475	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201
G57C	0	0	24	1	19.6345	13.6520	0.0302	1.1906	1.0947	0.0370	0.0097	0.2423	0.1150	0.000139	0.0201

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Hwy 401 Maitland: Signalized Sources Car Summary Table

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G54C	0	0	1	1	7.1954	2.6266	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G54C	0	0	2	1	7.1954	2.6267	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G54C	0	0	3	1	7.1954	2.6273	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G54C	0	0	4	1	7.1954	2.6272	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G54C	0	0	5	1	7.1954	2.6279	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G54C	0	0	6	1	7.1954	2.6306	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G54C	0	0	7	1	7.1954	2.6312	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G54C	0	0	8	1	7.1954	2.6316	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G54C	0	0	9	1	7.1954	2.6326	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G54C	0	0	10	1	7.2318	2.7106	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008326
G54C	0	0	11	1	7.2776	3.2804	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0096	0.0000021	0.0008358
G54C	0	0	12	1	7.3302	3.9329	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008394
G54C	0	0	13	1	7.3692	4.4285	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008421
G54C	0	0	14	1	7.4054	4.8673	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008446
G54C	0	0	15	1	7.4257	5.1327	0.0244	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008460
G54C	0	0	16	1	7.4173	5.0383	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008454
G54C	0	0	17	1	7.4134	4.9805	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008451
G54C	0	0	18	1	7.3997	4.8065	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008442
G54C	0	0	19	1	7.3551	4.2408	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008411
G54C	0	0	20	1	7.2923	3.4575	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008368
G54C	0	0	21	1	7.2055	2.6284	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008308
G54C	0	0	22	1	7.1954	2.6298	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G54C	0	0	23	1	7.1954	2.6281	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G54C	0	0	24	1	7.1954	2.6290	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	1	1	7.1954	2.6266	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	2	1	7.1954	2.6267	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	3	1	7.1954	2.6273	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	4	1	7.1954	2.6272	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	5	1	7.1954	2.6279	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	6	1	7.1954	2.6306	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	7	1	7.1954	2.6312	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	8	1	7.1954	2.6316	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	9	1	7.1954	2.6326	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	10	1	7.2318	2.7106	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008326
G55C	0	0	11	1	7.2776	3.2804	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0096	0.0000021	0.0008358
G55C	0	0	12	1	7.3302	3.9329	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008394
G55C	0	0	13	1	7.3692	4.4285	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008421
G55C	0	0	14	1	7.4054	4.8673	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008446

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Hwy 401 Maitland: Signalized Sources Car Summary Table

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G55C	0	0	15	1	7.4257	5.1327	0.0244	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008460
G55C	0	0	16	1	7.4173	5.0383	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008454
G55C	0	0	17	1	7.4134	4.9805	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008451
G55C	0	0	18	1	7.3997	4.8065	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008442
G55C	0	0	19	1	7.3551	4.2408	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008411
G55C	0	0	20	1	7.2923	3.4575	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008368
G55C	0	0	21	1	7.2055	2.6284	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008308
G55C	0	0	22	1	7.1954	2.6298	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	23	1	7.1954	2.6281	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G55C	0	0	24	1	7.1954	2.6290	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	1	1	7.1954	2.6266	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	2	1	7.1954	2.6267	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	3	1	7.1954	2.6273	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	4	1	7.1954	2.6272	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	5	1	7.1954	2.6279	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	6	1	7.1954	2.6306	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	7	1	7.1954	2.6312	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	8	1	7.1954	2.6316	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	9	1	7.1954	2.6326	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	10	1	7.2318	2.7106	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008326
G56C	0	0	11	1	7.2776	3.2804	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0096	0.0000021	0.0008358
G56C	0	0	12	1	7.3302	3.9329	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008394
G56C	0	0	13	1	7.3692	4.4285	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008421
G56C	0	0	14	1	7.4054	4.8673	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008446
G56C	0	0	15	1	7.4257	5.1327	0.0244	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008460
G56C	0	0	16	1	7.4173	5.0383	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008454
G56C	0	0	17	1	7.4134	4.9805	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008451
G56C	0	0	18	1	7.3997	4.8065	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008442
G56C	0	0	19	1	7.3551	4.2408	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008411

AECOM

Hwy 401 Maitland: Signalized Sources Car Summary Table

Source Information					2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G56C	0	0	20	1	7.2923	3.4575	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008368
G56C	0	0	21	1	7.2055	2.6284	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008308
G56C	0	0	22	1	7.1954	2.6298	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	23	1	7.1954	2.6281	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G56C	0	0	24	1	7.1954	2.6290	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	1	1	7.1954	2.6266	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	2	1	7.1954	2.6267	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	3	1	7.1954	2.6273	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	4	1	7.1954	2.6272	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	5	1	7.1954	2.6279	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	6	1	7.1954	2.6306	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	7	1	7.1954	2.6312	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	8	1	7.1954	2.6316	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	9	1	7.1954	2.6326	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	10	1	7.2318	2.7106	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008326
G57C	0	0	11	1	7.2776	3.2804	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0096	0.0000021	0.0008358
G57C	0	0	12	1	7.3302	3.9329	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008394
G57C	0	0	13	1	7.3692	4.4285	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008421
G57C	0	0	14	1	7.4054	4.8673	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008446
G57C	0	0	15	1	7.4257	5.1327	0.0244	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008460
G57C	0	0	16	1	7.4173	5.0383	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008454
G57C	0	0	17	1	7.4134	4.9805	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008451
G57C	0	0	18	1	7.3997	4.8065	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.0008442
G57C	0	0	19	1	7.3551	4.2408	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008411
G57C	0	0	20	1	7.2923	3.4575	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.0008368
G57C	0	0	21	1	7.2055	2.6284	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008308
G57C	0	0	22	1	7.1954	2.6298	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	23	1	7.1954	2.6281	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301
G57C	0	0	24	1	7.1954	2.6290	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.0008301

AECOM

Hwy 401 Maitland: Signalized Sources Car Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2051 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G54C	0	0	1	1	7.1954	2.6266	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G54C	0	0	2	1	7.1954	2.6267	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G54C	0	0	3	1	7.1954	2.6273	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G54C	0	0	4	1	7.1954	2.6272	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G54C	0	0	5	1	7.1954	2.6279	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G54C	0	0	6	1	7.1954	2.6306	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G54C	0	0	7	1	7.1954	2.6312	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G54C	0	0	8	1	7.1954	2.6316	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G54C	0	0	9	1	7.1954	2.6326	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G54C	0	0	10	1	7.2318	2.7106	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000833	5706.6313	0.1662909	0.4036
G54C	0	0	11	1	7.2776	3.2804	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0096	0.0000021	0.000836	5805.0667	0.1669212	0.4036
G54C	0	0	12	1	7.3302	3.9329	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000839	5918.0024	0.1676428	0.4036
G54C	0	0	13	1	7.3692	4.4285	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000842	6001.6075	0.1681778	0.4036
G54C	0	0	14	1	7.4054	4.8673	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6079.4500	0.1686750	0.4036
G54C	0	0	15	1	7.4257	5.1327	0.0244	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000846	6122.9229	0.1689536	0.4036
G54C	0	0	16	1	7.4173	5.0383	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6104.9071	0.1688386	0.4036
G54C	0	0	17	1	7.4134	4.9805	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6096.5617	0.1687846	0.4036
G54C	0	0	18	1	7.3997	4.8065	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000844	6067.1802	0.1685969	0.4036
G54C	0	0	19	1	7.3551	4.2408	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000841	5971.4238	0.1679849	0.4036
G54C	0	0	20	1	7.2923	3.4575	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000837	5836.6078	0.1671222	0.4036
G54C	0	0	21	1	7.2055	2.6284	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000831	5650.2626	0.1659302	0.4036
G54C	0	0	22	1	7.1954	2.6298	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G54C	0	0	23	1	7.1954	2.6281	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G54C	0	0	24	1	7.1954	2.6290	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	1	1	7.1954	2.6266	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	2	1	7.1954	2.6267	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	3	1	7.1954	2.6273	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	4	1	7.1954	2.6272	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	5	1	7.1954	2.6279	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	6	1	7.1954	2.6306	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	7	1	7.1954	2.6312	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	8	1	7.1954	2.6316	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	9	1	7.1954	2.6326	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	10	1	7.2318	2.7106	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000833	5706.6313	0.1662909	0.4036
G55C	0	0	11	1	7.2776	3.2804	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0096	0.0000021	0.000836	5805.0667	0.1669212	0.4036
G55C	0	0	12	1	7.3302	3.9329	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000839	5918.0024	0.1676428	0.4036
G55C	0	0	13	1	7.3692	4.4285	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000842	6001.6075	0.1681778	0.4036
G55C	0	0	14	1	7.4054	4.8673	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6079.4500	0.1686750	0.4036
G55C	0	0	15	1	7.4257	5.1327	0.0244	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000846	6122.9229	0.1689536	0.4036
G55C	0	0	16	1	7.4173	5.0383	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6104.9071	0.1688386	0.4036
G55C	0	0	17	1	7.4134	4.9805	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6096.5617	0.1687846	0.4036
G55C	0	0	18	1	7.3997	4.8065	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000844	6067.1802	0.1685969	0.4036
G55C	0	0	19	1	7.3551	4.2408	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000841	5971.4238	0.1679849	0.4036
G55C	0	0	20	1	7.2923	3.4575	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000837	5836.6078	0.1671222	0.4036
G55C	0	0	21	1	7.2055	2.6284	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000831	5650.2626	0.1659302	0.4036
G55C	0	0	22	1	7.1954	2.6298	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	23	1	7.1954	2.6281	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G55C	0	0	24	1	7.1954	2.6290	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036

AECOM

Hwy 401 Maitland: Signalized Sources Car Summary Table

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2051 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G56C	0	0	1	1	7.1954	2.6266	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G56C	0	0	2	1	7.1954	2.6267	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G56C	0	0	3	1	7.1954	2.6273	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G56C	0	0	4	1	7.1954	2.6272	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G56C	0	0	5	1	7.1954	2.6279	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G56C	0	0	6	1	7.1954	2.6306	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G56C	0	0	7	1	7.1954	2.6312	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G56C	0	0	8	1	7.1954	2.6316	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G56C	0	0	9	1	7.1954	2.6326	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G56C	0	0	10	1	7.2318	2.7106	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000833	5706.6313	0.1662909	0.4036
G56C	0	0	11	1	7.2776	3.2804	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0096	0.0000021	0.000836	5805.0667	0.1669212	0.4036
G56C	0	0	12	1	7.3302	3.9329	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000839	5918.0024	0.1676428	0.4036
G56C	0	0	13	1	7.3692	4.4285	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000842	6001.6075	0.1681778	0.4036
G56C	0	0	14	1	7.4054	4.8673	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6079.4500	0.1686750	0.4036
G56C	0	0	15	1	7.4257	5.1327	0.0244	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000846	6122.9229	0.1689536	0.4036
G56C	0	0	16	1	7.4173	5.0383	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6104.9071	0.1688386	0.4036
G56C	0	0	17	1	7.4134	4.9805	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6096.5617	0.1687846	0.4036
G56C	0	0	18	1	7.3997	4.8065	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000844	6067.1802	0.1685969	0.4036
G56C	0	0	19	1	7.3551	4.2408	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000841	5971.4238	0.1679849	0.4036
G56C	0	0	20	1	7.2923	3.4575	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000837	5836.6078	0.1671222	0.4036
G56C	0	0	21	1	7.2055	2.6284	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000831	5650.2626	0.1659302	0.4036
G56C	0	0	22	1	7.1954	2.6298	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G56C	0	0	23	1	7.1954	2.6281	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G56C	0	0	24	1	7.1954	2.6290	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	1	1	7.1954	2.6266	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	2	1	7.1954	2.6267	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	3	1	7.1954	2.6273	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	4	1	7.1954	2.6272	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	5	1	7.1954	2.6279	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	6	1	7.1954	2.6306	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	7	1	7.1954	2.6312	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	8	1	7.1954	2.6316	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	9	1	7.1954	2.6326	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	10	1	7.2318	2.7106	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000833	5706.6313	0.1662909	0.4036
G57C	0	0	11	1	7.2776	3.2804	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0096	0.0000021	0.000836	5805.0667	0.1669212	0.4036
G57C	0	0	12	1	7.3302	3.9329	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000839	5918.0024	0.1676428	0.4036
G57C	0	0	13	1	7.3692	4.4285	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000842	6001.6075	0.1681778	0.4036
G57C	0	0	14	1	7.4054	4.8673	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6079.4500	0.1686750	0.4036
G57C	0	0	15	1	7.4257	5.1327	0.0244	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000846	6122.9229	0.1689536	0.4036
G57C	0	0	16	1	7.4173	5.0383	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6104.9071	0.1688386	0.4036
G57C	0	0	17	1	7.4134	4.9805	0.0243	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000845	6096.5617	0.1687846	0.4036
G57C	0	0	18	1	7.3997	4.8065	0.0242	0.0160	0.0144	0.0028	0.0000	0.0068	0.0097	0.0000021	0.000844	6067.1802	0.1685969	0.4036
G57C	0	0	19	1	7.3551	4.2408	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000841	5971.4238	0.1679849	0.4036
G57C	0	0	20	1	7.2923	3.4575	0.0241	0.0160	0.0144	0.0028	0.0000	0.0068	0.0096	0.0000021	0.000837	5836.6078	0.1671222	0.4036
G57C	0	0	21	1	7.2055	2.6284	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000831	5650.2626	0.1659302	0.4036
G57C	0	0	22	1	7.1954	2.6298	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	23	1	7.1954	2.6281	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036
G57C	0	0	24	1	7.1954	2.6290	0.0241	0.0160	0.0144	0.0028	0.0000	0.0067	0.0095	0.0000021	0.000830	5628.4907	0.1657914	0.4036

AECOM

Hwy 401 Maitland: Car Emission Rate Summary Table - New Posted Speed

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2051 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G1C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G1C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G1C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G1C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G1C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G1C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G1C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G1C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G1C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G1C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G1C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G1C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G1C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G1C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G1C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G1C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G1C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G1C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G1C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G1C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G1C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G1C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G1C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G1C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G2C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G2C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G2C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G2C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G2C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G2C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G2C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G2C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G2C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G2C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G2C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G2C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G2C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G3C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G3C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G3C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G3C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G3C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2051 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G3C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G3C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G3C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G3C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G3C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G3C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G3C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G3C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G3C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G3C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G3C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G3C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G3C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G3C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G3C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G3C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G3C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G3C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G3C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G4C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G4C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G4C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G4C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G4C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G4C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G4C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G4C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G4C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G4C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G4C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G4C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G4C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G5C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G5C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2051 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G5C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G5C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G5C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G5C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G5C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G5C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G5C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G5C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G5C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G5C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G5C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G6C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G6C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G6C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G6C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G6C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G6C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G6C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G6C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G6C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G6C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G6C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G6C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G6C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G7C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G7C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G7C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G7C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G7C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G7C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G7C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2051 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G7C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G7C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G7C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G7C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G7C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G7C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G8C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G8C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G8C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G8C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G8C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G8C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G8C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G8C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G8C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G8C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G8C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G8C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G8C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G9C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G9C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G9C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G9C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G9C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G9C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G9C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G9C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G9C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G9C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G9C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G9C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G9C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G9C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G9C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G9C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G9C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G9C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G9C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G9C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G9C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G9C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2051 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G9C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G9C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G10C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G10C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G10C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G10C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G10C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G10C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G10C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G10C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G10C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G10C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G10C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G10C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G10C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G11C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G11C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G11C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G11C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G11C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G11C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G11C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G11C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G11C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G11C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G11C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G11C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G11C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G12C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G12C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G12C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2051 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G12C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G12C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G12C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G12C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G12C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G12C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G12C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G12C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G12C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G12C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G12C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G12C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G12C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G12C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G12C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G12C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G12C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G12C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G12C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G12C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G12C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G13C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G13C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G13C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G13C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G13C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G13C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G13C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G13C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G13C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G13C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G13C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G13C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G13C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G14C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G14C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G14C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G14C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G14C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G14C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G14C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G14C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2051 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G14C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G14C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G14C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G14C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G14C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G14C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G14C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G14C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G14C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G14C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G14C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G14C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G14C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G14C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G14C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G14C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G15C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G15C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G15C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G15C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G15C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G15C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G15C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G15C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G15C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G15C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G15C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G15C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G15C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G16C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G16C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G16C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2051 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G16C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G16C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G16C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G16C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G16C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G16C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G16C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G16C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G16C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G16C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G17C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G17C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G17C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G17C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G17C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G17C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G17C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G17C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G17C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G17C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G17C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G17C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G17C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G18C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G18C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G18C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G18C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G18C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G18C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G18C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G18C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G18C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G18C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398

Source Information					2051 Future Build Max Emission Rate (G/VMT)											2051 Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G18C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G18C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G18C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G49C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G49C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G49C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G49C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G49C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G49C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G49C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G49C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G49C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G49C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G49C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G49C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G49C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	1	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	2	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	3	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	4	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	5	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	6	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	7	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	8	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	9	2	1.8298	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	10	2	1.8895	0.0990	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	607.7406	0.0087232	0.0398
G50C	110	15	11	2	1.9647	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	612.0394	0.0087885	0.0398
G50C	110	15	12	2	2.0509	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	616.9709	0.0088634	0.0398
G50C	110	15	13	2	2.1148	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	620.6207	0.0089189	0.0398
G50C	110	15	14	2	2.1743	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.0197	0.0089705	0.0398
G50C	110	15	15	2	2.2075	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.9178	0.0089993	0.0398
G50C	110	15	16	2	2.1937	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	625.1313	0.0089874	0.0398
G50C	110	15	17	2	2.1874	0.0988	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	624.7670	0.0089818	0.0398
G50C	110	15	18	2	2.1649	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	623.4849	0.0089623	0.0398
G50C	110	15	19	2	2.0918	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	619.3038	0.0088988	0.0398
G50C	110	15	20	2	1.9888	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000031	613.4166	0.0088094	0.0398
G50C	110	15	21	2	1.8464	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	605.2800	0.0086858	0.0398
G50C	110	15	22	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	23	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398
G50C	110	15	24	2	1.8298	0.0989	0.0026	0.0287	0.0068	0.0013	0.0000	0.0005	0.0003	0.0000007	0.000030	604.3297	0.0086714	0.0398

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G1T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G1T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G2T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G3T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G3T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G4T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G5T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G5T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G6T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G7T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G7T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G8T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G9T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G9T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G10T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G11T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G11T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G12T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G13T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G13T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G14T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G15T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G15T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G16T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G17T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G17T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G18T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G19T	30	5	1	140.2759	15.1192	0.0262	1.6855	0.4040	0.0934	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	2	140.2759	15.1195	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	3	140.2759	15.1213	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	4	140.2759	15.1208	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	5	140.2759	15.1230	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	6	140.2759	15.1305	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	7	140.2759	15.1323	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	8	140.2759	15.1334	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	9	140.2759	15.1363	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	10	140.2759	15.1333	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	11	140.2759	15.1283	0.0262	1.6855	0.4040	0.0929	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	12	140.2759	15.1241	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	13	140.2759	15.1218	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	14	140.2759	15.1192	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	15	140.2759	15.1126	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	16	140.2759	15.1129	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	17	140.2759	15.1135	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	18	140.2759	15.1191	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G19T	30	5	19	140.2759	15.1218	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	20	140.2759	15.1219	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	21	140.2759	15.1242	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	22	140.2759	15.1285	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	23	140.2759	15.1235	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G19T	30	5	24	140.2759	15.1260	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	1	140.2759	15.1192	0.0262	1.6855	0.4040	0.0934	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	2	140.2759	15.1195	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	3	140.2759	15.1213	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	4	140.2759	15.1208	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	5	140.2759	15.1230	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	6	140.2759	15.1305	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	7	140.2759	15.1323	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	8	140.2759	15.1334	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	9	140.2759	15.1363	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	10	140.2759	15.1333	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	11	140.2759	15.1283	0.0262	1.6855	0.4040	0.0929	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	12	140.2759	15.1241	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	13	140.2759	15.1218	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	14	140.2759	15.1192	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	15	140.2759	15.1126	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	16	140.2759	15.1129	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	17	140.2759	15.1135	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	18	140.2759	15.1191	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	19	140.2759	15.1218	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	20	140.2759	15.1219	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	21	140.2759	15.1242	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	22	140.2759	15.1285	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	23	140.2759	15.1235	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G20T	30	5	24	140.2759	15.1260	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	1	140.2759	15.1192	0.0262	1.6855	0.4040	0.0934	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	2	140.2759	15.1195	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	3	140.2759	15.1213	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	4	140.2759	15.1208	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	5	140.2759	15.1230	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	6	140.2759	15.1305	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	7	140.2759	15.1323	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	8	140.2759	15.1334	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	9	140.2759	15.1363	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	10	140.2759	15.1333	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	11	140.2759	15.1283	0.0262	1.6855	0.4040	0.0929	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	12	140.2759	15.1241	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	13	140.2759	15.1218	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	14	140.2759	15.1192	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	15	140.2759	15.1126	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	16	140.2759	15.1129	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	17	140.2759	15.1135	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	18	140.2759	15.1191	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	19	140.2759	15.1218	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	20	140.2759	15.1219	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	21	140.2759	15.1242	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G21T	30	5	22	140.2759	15.1285	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	23	140.2759	15.1235	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G21T	30	5	24	140.2759	15.1260	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	1	140.2759	15.1192	0.0262	1.6855	0.4040	0.0934	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	2	140.2759	15.1195	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	3	140.2759	15.1213	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	4	140.2759	15.1208	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	5	140.2759	15.1230	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	6	140.2759	15.1305	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	7	140.2759	15.1323	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	8	140.2759	15.1334	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	9	140.2759	15.1363	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	10	140.2759	15.1333	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	11	140.2759	15.1283	0.0262	1.6855	0.4040	0.0929	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	12	140.2759	15.1241	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	13	140.2759	15.1218	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	14	140.2759	15.1192	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	15	140.2759	15.1126	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	16	140.2759	15.1129	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	17	140.2759	15.1135	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	18	140.2759	15.1191	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	19	140.2759	15.1218	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	20	140.2759	15.1219	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	21	140.2759	15.1242	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	22	140.2759	15.1285	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	23	140.2759	15.1235	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G22T	30	5	24	140.2759	15.1260	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G23T	60	8	1	116.7935	10.8802	0.0206	0.8520	0.2436	0.0621	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	2	116.7935	10.8803	0.0206	0.8520	0.2436	0.0620	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	3	116.7935	10.8815	0.0206	0.8520	0.2436	0.0618	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	4	116.7935	10.8812	0.0206	0.8520	0.2436	0.0617	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	5	116.7935	10.8826	0.0206	0.8520	0.2436	0.0616	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	6	116.7935	10.8875	0.0206	0.8520	0.2436	0.0617	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	7	116.7935	10.8887	0.0206	0.8520	0.2436	0.0616	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	8	116.7935	10.8893	0.0206	0.8520	0.2436	0.0616	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	9	116.7935	10.8912	0.0206	0.8520	0.2436	0.0617	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	10	116.7935	10.8893	0.0206	0.8520	0.2436	0.0617	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	11	116.7935	10.8861	0.0206	0.8520	0.2436	0.0618	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	12	116.7935	10.8833	0.0206	0.8520	0.2436	0.0619	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	13	116.7935	10.8818	0.0206	0.8520	0.2436	0.0619	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	14	116.7935	10.8802	0.0206	0.8520	0.2436	0.0619	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	15	116.7935	10.8759	0.0206	0.8520	0.2436	0.0619	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	16	116.7935	10.8761	0.0206	0.8520	0.2436	0.0620	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	17	116.7935	10.8765	0.0206	0.8520	0.2436	0.0620	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	18	116.7935	10.8801	0.0206	0.8520	0.2436	0.0620	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	19	116.7935	10.8818	0.0206	0.8520	0.2436	0.0620	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	20	116.7935	10.8819	0.0206	0.8520	0.2436	0.0620	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	21	116.7935	10.8834	0.0206	0.8520	0.2436	0.0620	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	22	116.7935	10.8862	0.0206	0.8520	0.2436	0.0621	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	23	116.7935	10.8829	0.0206	0.8520	0.2436	0.0620	0.0079	0.1788	0.1301	0.0000	0.0021
G23T	60	8	24	116.7935	10.8846	0.0206	0.8520	0.2436	0.0621	0.0079	0.1788	0.1301	0.0000	0.0021

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Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G24T	50	7	1	133.4291	12.6006	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	2	133.4291	12.6007	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	3	133.4291	12.6022	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	4	133.4291	12.6018	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	5	133.4291	12.6035	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	6	133.4291	12.6093	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	7	133.4291	12.6108	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	8	133.4291	12.6116	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	9	133.4291	12.6139	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	10	133.4291	12.6115	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	11	133.4291	12.6077	0.0232	1.0968	0.3164	0.0774	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	12	133.4291	12.6043	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	13	133.4291	12.6025	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	14	133.4291	12.6006	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	15	133.4291	12.5954	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	16	133.4291	12.5957	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	17	133.4291	12.5962	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	18	133.4291	12.6005	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	19	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	20	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	21	133.4291	12.6044	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	22	133.4291	12.6078	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	23	133.4291	12.6039	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G24T	50	7	24	133.4291	12.6059	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	1	133.4291	12.6006	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	2	133.4291	12.6007	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	3	133.4291	12.6022	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	4	133.4291	12.6018	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	5	133.4291	12.6035	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	6	133.4291	12.6093	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	7	133.4291	12.6108	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	8	133.4291	12.6116	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	9	133.4291	12.6139	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	10	133.4291	12.6115	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	11	133.4291	12.6077	0.0232	1.0968	0.3164	0.0774	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	12	133.4291	12.6043	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	13	133.4291	12.6025	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	14	133.4291	12.6006	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	15	133.4291	12.5954	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	16	133.4291	12.5957	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	17	133.4291	12.5962	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	18	133.4291	12.6005	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	19	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	20	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	21	133.4291	12.6044	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	22	133.4291	12.6078	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	23	133.4291	12.6039	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G25T	50	7	24	133.4291	12.6059	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G26T	30	5	1	140.2759	15.1192	0.0262	1.6855	0.4040	0.0934	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	2	140.2759	15.1195	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	3	140.2759	15.1213	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G26T	30	5	4	140.2759	15.1208	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	5	140.2759	15.1230	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	6	140.2759	15.1305	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	7	140.2759	15.1323	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	8	140.2759	15.1334	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	9	140.2759	15.1363	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	10	140.2759	15.1333	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	11	140.2759	15.1283	0.0262	1.6855	0.4040	0.0929	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	12	140.2759	15.1241	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	13	140.2759	15.1218	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	14	140.2759	15.1192	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	15	140.2759	15.1126	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	16	140.2759	15.1129	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	17	140.2759	15.1135	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	18	140.2759	15.1191	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	19	140.2759	15.1218	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	20	140.2759	15.1219	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	21	140.2759	15.1242	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	22	140.2759	15.1285	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	23	140.2759	15.1235	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G26T	30	5	24	140.2759	15.1260	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	1	140.2759	15.1192	0.0262	1.6855	0.4040	0.0934	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	2	140.2759	15.1195	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	3	140.2759	15.1213	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	4	140.2759	15.1208	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	5	140.2759	15.1230	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	6	140.2759	15.1305	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	7	140.2759	15.1323	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	8	140.2759	15.1334	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	9	140.2759	15.1363	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	10	140.2759	15.1333	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	11	140.2759	15.1283	0.0262	1.6855	0.4040	0.0929	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	12	140.2759	15.1241	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	13	140.2759	15.1218	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	14	140.2759	15.1192	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	15	140.2759	15.1126	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	16	140.2759	15.1129	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	17	140.2759	15.1135	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	18	140.2759	15.1191	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	19	140.2759	15.1218	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	20	140.2759	15.1219	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	21	140.2759	15.1242	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	22	140.2759	15.1285	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	23	140.2759	15.1235	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G27T	30	5	24	140.2759	15.1260	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	1	140.2759	15.1192	0.0262	1.6855	0.4040	0.0934	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	2	140.2759	15.1195	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	3	140.2759	15.1213	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	4	140.2759	15.1208	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	5	140.2759	15.1230	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	6	140.2759	15.1305	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G28T	30	5	7	140.2759	15.1323	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	8	140.2759	15.1334	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	9	140.2759	15.1363	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	10	140.2759	15.1333	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	11	140.2759	15.1283	0.0262	1.6855	0.4040	0.0929	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	12	140.2759	15.1241	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	13	140.2759	15.1218	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	14	140.2759	15.1192	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	15	140.2759	15.1126	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	16	140.2759	15.1129	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	17	140.2759	15.1135	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	18	140.2759	15.1191	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	19	140.2759	15.1218	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	20	140.2759	15.1219	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	21	140.2759	15.1242	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	22	140.2759	15.1285	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	23	140.2759	15.1235	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G28T	30	5	24	140.2759	15.1260	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	1	140.2759	15.1192	0.0262	1.6855	0.4040	0.0934	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	2	140.2759	15.1195	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	3	140.2759	15.1213	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	4	140.2759	15.1208	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	5	140.2759	15.1230	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	6	140.2759	15.1305	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	7	140.2759	15.1323	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	8	140.2759	15.1334	0.0262	1.6855	0.4040	0.0925	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	9	140.2759	15.1363	0.0262	1.6855	0.4040	0.0926	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	10	140.2759	15.1333	0.0262	1.6855	0.4040	0.0927	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	11	140.2759	15.1283	0.0262	1.6855	0.4040	0.0929	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	12	140.2759	15.1241	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	13	140.2759	15.1218	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	14	140.2759	15.1192	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	15	140.2759	15.1126	0.0262	1.6855	0.4040	0.0930	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	16	140.2759	15.1129	0.0262	1.6855	0.4040	0.0931	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	17	140.2759	15.1135	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	18	140.2759	15.1191	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	19	140.2759	15.1218	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	20	140.2759	15.1219	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	21	140.2759	15.1242	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	22	140.2759	15.1285	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	23	140.2759	15.1235	0.0262	1.6855	0.4040	0.0932	0.0113	0.3011	0.2203	0.0000	0.0032
G29T	30	5	24	140.2759	15.1260	0.0262	1.6855	0.4040	0.0933	0.0113	0.3011	0.2203	0.0000	0.0032
G30T	50	7	1	133.4291	12.6006	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	2	133.4291	12.6007	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	3	133.4291	12.6022	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	4	133.4291	12.6018	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	5	133.4291	12.6035	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	6	133.4291	12.6093	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	7	133.4291	12.6108	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	8	133.4291	12.6116	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	9	133.4291	12.6139	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G30T	50	7	10	133.4291	12.6115	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	11	133.4291	12.6077	0.0232	1.0968	0.3164	0.0774	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	12	133.4291	12.6043	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	13	133.4291	12.6025	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	14	133.4291	12.6006	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	15	133.4291	12.5954	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	16	133.4291	12.5957	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	17	133.4291	12.5962	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	18	133.4291	12.6005	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	19	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	20	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	21	133.4291	12.6044	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	22	133.4291	12.6078	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	23	133.4291	12.6039	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G30T	50	7	24	133.4291	12.6059	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	1	133.4291	12.6006	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	2	133.4291	12.6007	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	3	133.4291	12.6022	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	4	133.4291	12.6018	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	5	133.4291	12.6035	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	6	133.4291	12.6093	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	7	133.4291	12.6108	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	8	133.4291	12.6116	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	9	133.4291	12.6139	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	10	133.4291	12.6115	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	11	133.4291	12.6077	0.0232	1.0968	0.3164	0.0774	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	12	133.4291	12.6043	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	13	133.4291	12.6025	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	14	133.4291	12.6006	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	15	133.4291	12.5954	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	16	133.4291	12.5957	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	17	133.4291	12.5962	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	18	133.4291	12.6005	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	19	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	20	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	21	133.4291	12.6044	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	22	133.4291	12.6078	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	23	133.4291	12.6039	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G31T	50	7	24	133.4291	12.6059	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G32T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G32T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G32T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G33T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G34T	60	8	1	115.8642	10.8728	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	2	115.8642	10.8730	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	3	115.8642	10.8742	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	4	115.8642	10.8739	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	5	115.8642	10.8753	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	6	115.8642	10.8802	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	7	115.8642	10.8814	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	8	115.8642	10.8821	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	9	115.8642	10.8840	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	10	115.8642	10.8820	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	11	115.8642	10.8788	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	12	115.8642	10.8760	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	13	115.8642	10.8745	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	14	115.8642	10.8729	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	15	115.8642	10.8685	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G34T	60	8	16	115.8642	10.8688	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	17	115.8642	10.8692	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	18	115.8642	10.8728	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	19	115.8642	10.8745	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	20	115.8642	10.8746	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	21	115.8642	10.8761	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	22	115.8642	10.8789	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	23	115.8642	10.8756	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G34T	60	8	24	115.8642	10.8773	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	1	115.8642	10.8728	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	2	115.8642	10.8730	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	3	115.8642	10.8742	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	4	115.8642	10.8739	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	5	115.8642	10.8753	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	6	115.8642	10.8802	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	7	115.8642	10.8814	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	8	115.8642	10.8821	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	9	115.8642	10.8840	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	10	115.8642	10.8820	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	11	115.8642	10.8788	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	12	115.8642	10.8760	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	13	115.8642	10.8745	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	14	115.8642	10.8729	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	15	115.8642	10.8685	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	16	115.8642	10.8688	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	17	115.8642	10.8692	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	18	115.8642	10.8728	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	19	115.8642	10.8745	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	20	115.8642	10.8746	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	21	115.8642	10.8761	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	22	115.8642	10.8789	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	23	115.8642	10.8756	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G35T	60	8	24	115.8642	10.8773	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	1	115.8642	10.8728	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	2	115.8642	10.8730	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	3	115.8642	10.8742	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	4	115.8642	10.8739	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	5	115.8642	10.8753	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	6	115.8642	10.8802	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	7	115.8642	10.8814	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	8	115.8642	10.8821	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	9	115.8642	10.8840	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	10	115.8642	10.8820	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	11	115.8642	10.8788	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	12	115.8642	10.8760	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	13	115.8642	10.8745	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	14	115.8642	10.8729	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	15	115.8642	10.8685	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	16	115.8642	10.8688	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	17	115.8642	10.8692	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	18	115.8642	10.8728	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021

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Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G36T	60	8	19	115.8642	10.8745	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	20	115.8642	10.8746	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	21	115.8642	10.8761	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	22	115.8642	10.8789	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	23	115.8642	10.8756	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G36T	60	8	24	115.8642	10.8773	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	1	115.8642	10.8728	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	2	115.8642	10.8730	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	3	115.8642	10.8742	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	4	115.8642	10.8739	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	5	115.8642	10.8753	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	6	115.8642	10.8802	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	7	115.8642	10.8814	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	8	115.8642	10.8821	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	9	115.8642	10.8840	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	10	115.8642	10.8820	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	11	115.8642	10.8788	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	12	115.8642	10.8760	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	13	115.8642	10.8745	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	14	115.8642	10.8729	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	15	115.8642	10.8685	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	16	115.8642	10.8688	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	17	115.8642	10.8692	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	18	115.8642	10.8728	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	19	115.8642	10.8745	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	20	115.8642	10.8746	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	21	115.8642	10.8761	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	22	115.8642	10.8789	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	23	115.8642	10.8756	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G37T	60	8	24	115.8642	10.8773	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	1	115.8642	10.8728	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	2	115.8642	10.8730	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	3	115.8642	10.8742	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	4	115.8642	10.8739	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	5	115.8642	10.8753	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	6	115.8642	10.8802	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	7	115.8642	10.8814	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	8	115.8642	10.8821	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	9	115.8642	10.8840	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	10	115.8642	10.8820	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	11	115.8642	10.8788	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	12	115.8642	10.8760	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	13	115.8642	10.8745	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	14	115.8642	10.8729	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	15	115.8642	10.8685	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	16	115.8642	10.8688	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	17	115.8642	10.8692	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	18	115.8642	10.8728	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	19	115.8642	10.8745	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	20	115.8642	10.8746	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	21	115.8642	10.8761	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G38T	60	8	22	115.8642	10.8789	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	23	115.8642	10.8756	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G38T	60	8	24	115.8642	10.8773	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	1	115.8642	10.8728	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	2	115.8642	10.8730	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	3	115.8642	10.8742	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	4	115.8642	10.8739	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	5	115.8642	10.8753	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	6	115.8642	10.8802	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	7	115.8642	10.8814	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	8	115.8642	10.8821	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	9	115.8642	10.8840	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	10	115.8642	10.8820	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	11	115.8642	10.8788	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	12	115.8642	10.8760	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	13	115.8642	10.8745	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	14	115.8642	10.8729	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	15	115.8642	10.8685	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	16	115.8642	10.8688	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	17	115.8642	10.8692	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	18	115.8642	10.8728	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	19	115.8642	10.8745	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	20	115.8642	10.8746	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	21	115.8642	10.8761	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	22	115.8642	10.8789	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	23	115.8642	10.8756	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G39T	60	8	24	115.8642	10.8773	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	1	115.8642	10.8728	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	2	115.8642	10.8730	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	3	115.8642	10.8742	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	4	115.8642	10.8739	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	5	115.8642	10.8753	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	6	115.8642	10.8802	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	7	115.8642	10.8814	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	8	115.8642	10.8821	0.0203	0.8958	0.2485	0.0617	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	9	115.8642	10.8840	0.0203	0.8958	0.2485	0.0618	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	10	115.8642	10.8820	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	11	115.8642	10.8788	0.0203	0.8958	0.2485	0.0619	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	12	115.8642	10.8760	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	13	115.8642	10.8745	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	14	115.8642	10.8729	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	15	115.8642	10.8685	0.0203	0.8958	0.2485	0.0620	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	16	115.8642	10.8688	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	17	115.8642	10.8692	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	18	115.8642	10.8728	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	19	115.8642	10.8745	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	20	115.8642	10.8746	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	21	115.8642	10.8761	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	22	115.8642	10.8789	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	23	115.8642	10.8756	0.0203	0.8958	0.2485	0.0621	0.0079	0.1808	0.1316	0.0000	0.0021
G40T	60	8	24	115.8642	10.8773	0.0203	0.8958	0.2485	0.0622	0.0079	0.1808	0.1316	0.0000	0.0021

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G41T	80	11	1	113.3044	9.2826	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	2	113.3044	9.2828	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	3	113.3044	9.2836	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	4	113.3044	9.2834	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	5	113.3044	9.2845	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	6	113.3044	9.2881	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	7	113.3044	9.2890	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	8	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	9	113.3044	9.2909	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	10	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	11	113.3044	9.2871	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	12	113.3044	9.2850	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	13	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	14	113.3044	9.2827	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	15	113.3044	9.2794	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	16	113.3044	9.2796	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	17	113.3044	9.2799	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	18	113.3044	9.2826	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	19	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	20	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	21	113.3044	9.2851	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	22	113.3044	9.2871	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	23	113.3044	9.2847	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G41T	80	11	24	113.3044	9.2859	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	1	113.3044	9.2826	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	2	113.3044	9.2828	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	3	113.3044	9.2836	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	4	113.3044	9.2834	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	5	113.3044	9.2845	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	6	113.3044	9.2881	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	7	113.3044	9.2890	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	8	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	9	113.3044	9.2909	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	10	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	11	113.3044	9.2871	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	12	113.3044	9.2850	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	13	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	14	113.3044	9.2827	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	15	113.3044	9.2794	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	16	113.3044	9.2796	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	17	113.3044	9.2799	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	18	113.3044	9.2826	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	19	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	20	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	21	113.3044	9.2851	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	22	113.3044	9.2871	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	23	113.3044	9.2847	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G42T	80	11	24	113.3044	9.2859	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	1	113.3044	9.2826	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	2	113.3044	9.2828	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	3	113.3044	9.2836	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G43T	80	11	4	113.3044	9.2834	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	5	113.3044	9.2845	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	6	113.3044	9.2881	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	7	113.3044	9.2890	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	8	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	9	113.3044	9.2909	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	10	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	11	113.3044	9.2871	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	12	113.3044	9.2850	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	13	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	14	113.3044	9.2827	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	15	113.3044	9.2794	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	16	113.3044	9.2796	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	17	113.3044	9.2799	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	18	113.3044	9.2826	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	19	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	20	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	21	113.3044	9.2851	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	22	113.3044	9.2871	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	23	113.3044	9.2847	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G43T	80	11	24	113.3044	9.2859	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	1	113.3044	9.2826	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	2	113.3044	9.2828	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	3	113.3044	9.2836	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	4	113.3044	9.2834	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	5	113.3044	9.2845	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	6	113.3044	9.2881	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	7	113.3044	9.2890	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	8	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	9	113.3044	9.2909	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	10	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	11	113.3044	9.2871	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	12	113.3044	9.2850	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	13	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	14	113.3044	9.2827	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	15	113.3044	9.2794	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	16	113.3044	9.2796	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	17	113.3044	9.2799	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	18	113.3044	9.2826	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	19	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	20	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	21	113.3044	9.2851	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	22	113.3044	9.2871	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	23	113.3044	9.2847	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G44T	80	11	24	113.3044	9.2859	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	1	113.3044	9.2826	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	2	113.3044	9.2828	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	3	113.3044	9.2836	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	4	113.3044	9.2834	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	5	113.3044	9.2845	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	6	113.3044	9.2881	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G45T	80	11	7	113.3044	9.2890	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	8	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	9	113.3044	9.2909	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	10	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	11	113.3044	9.2871	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	12	113.3044	9.2850	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	13	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	14	113.3044	9.2827	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	15	113.3044	9.2794	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	16	113.3044	9.2796	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	17	113.3044	9.2799	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	18	113.3044	9.2826	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	19	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	20	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	21	113.3044	9.2851	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	22	113.3044	9.2871	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	23	113.3044	9.2847	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G45T	80	11	24	113.3044	9.2859	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	1	113.3044	9.2826	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	2	113.3044	9.2828	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	3	113.3044	9.2836	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	4	113.3044	9.2834	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	5	113.3044	9.2845	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	6	113.3044	9.2881	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	7	113.3044	9.2890	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	8	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	9	113.3044	9.2909	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	10	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	11	113.3044	9.2871	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	12	113.3044	9.2850	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	13	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	14	113.3044	9.2827	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	15	113.3044	9.2794	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	16	113.3044	9.2796	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	17	113.3044	9.2799	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	18	113.3044	9.2826	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	19	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	20	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	21	113.3044	9.2851	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	22	113.3044	9.2871	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	23	113.3044	9.2847	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G46T	80	11	24	113.3044	9.2859	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	1	113.3044	9.2826	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	2	113.3044	9.2828	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	3	113.3044	9.2836	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	4	113.3044	9.2834	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	5	113.3044	9.2845	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	6	113.3044	9.2881	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	7	113.3044	9.2890	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	8	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	9	113.3044	9.2909	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G47T	80	11	10	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	11	113.3044	9.2871	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	12	113.3044	9.2850	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	13	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	14	113.3044	9.2827	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	15	113.3044	9.2794	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	16	113.3044	9.2796	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	17	113.3044	9.2799	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	18	113.3044	9.2826	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	19	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	20	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	21	113.3044	9.2851	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	22	113.3044	9.2871	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	23	113.3044	9.2847	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G47T	80	11	24	113.3044	9.2859	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	1	113.3044	9.2826	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	2	113.3044	9.2828	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	3	113.3044	9.2836	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	4	113.3044	9.2834	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	5	113.3044	9.2845	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	6	113.3044	9.2881	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	7	113.3044	9.2890	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	8	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	9	113.3044	9.2909	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	10	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	11	113.3044	9.2871	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	12	113.3044	9.2850	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	13	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	14	113.3044	9.2827	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	15	113.3044	9.2794	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	16	113.3044	9.2796	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	17	113.3044	9.2799	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	18	113.3044	9.2826	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	19	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	20	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	21	113.3044	9.2851	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	22	113.3044	9.2871	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	23	113.3044	9.2847	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G48T	80	11	24	113.3044	9.2859	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G49T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G49T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G49T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	1	116.4123	8.8390	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	2	116.4123	8.8391	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	3	116.4123	8.8399	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	4	116.4123	8.8397	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	5	116.4123	8.8406	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	6	116.4123	8.8438	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	7	116.4123	8.8446	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	8	116.4123	8.8450	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	9	116.4123	8.8463	0.0182	0.2415	0.1240	0.0391	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	10	116.4123	8.8450	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	11	116.4123	8.8429	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	12	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	13	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	14	116.4123	8.8390	0.0182	0.2415	0.1240	0.0392	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	15	116.4123	8.8362	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	16	116.4123	8.8363	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	17	116.4123	8.8366	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	18	116.4123	8.8389	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	19	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	20	116.4123	8.8401	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	21	116.4123	8.8411	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	22	116.4123	8.8429	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014
G50T	100	13	23	116.4123	8.8408	0.0182	0.2415	0.1240	0.0393	0.0052	0.0926	0.0656	0.0000	0.0014

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G50T	100	13	24	116.4123	8.8419	0.0182	0.2415	0.1240	0.0394	0.0052	0.0926	0.0656	0.0000	0.0014
G51T	80	11	1	113.3044	9.2826	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	2	113.3044	9.2828	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	3	113.3044	9.2836	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	4	113.3044	9.2834	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	5	113.3044	9.2845	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	6	113.3044	9.2881	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	7	113.3044	9.2890	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	8	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	9	113.3044	9.2909	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	10	113.3044	9.2895	0.0188	0.4188	0.1664	0.0461	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	11	113.3044	9.2871	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	12	113.3044	9.2850	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	13	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	14	113.3044	9.2827	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	15	113.3044	9.2794	0.0188	0.4188	0.1664	0.0462	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	16	113.3044	9.2796	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	17	113.3044	9.2799	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	18	113.3044	9.2826	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	19	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	20	113.3044	9.2839	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	21	113.3044	9.2851	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	22	113.3044	9.2871	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	23	113.3044	9.2847	0.0188	0.4188	0.1664	0.0463	0.0061	0.1185	0.0851	0.0000	0.0016
G51T	80	11	24	113.3044	9.2859	0.0188	0.4188	0.1664	0.0464	0.0061	0.1185	0.0851	0.0000	0.0016
G52T	50	7	1	133.4291	12.6006	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	2	133.4291	12.6007	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	3	133.4291	12.6022	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	4	133.4291	12.6018	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	5	133.4291	12.6035	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	6	133.4291	12.6093	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	7	133.4291	12.6108	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	8	133.4291	12.6116	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	9	133.4291	12.6139	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	10	133.4291	12.6115	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	11	133.4291	12.6077	0.0232	1.0968	0.3164	0.0774	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	12	133.4291	12.6043	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	13	133.4291	12.6025	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	14	133.4291	12.6006	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2021 Existing Conditions Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G52T	50	7	15	133.4291	12.5954	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	16	133.4291	12.5957	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	17	133.4291	12.5962	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	18	133.4291	12.6005	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	19	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	20	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	21	133.4291	12.6044	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	22	133.4291	12.6078	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	23	133.4291	12.6039	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G52T	50	7	24	133.4291	12.6059	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	1	133.4291	12.6006	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	2	133.4291	12.6007	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	3	133.4291	12.6022	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	4	133.4291	12.6018	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	5	133.4291	12.6035	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	6	133.4291	12.6093	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	7	133.4291	12.6108	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	8	133.4291	12.6116	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	9	133.4291	12.6139	0.0232	1.0968	0.3164	0.0772	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	10	133.4291	12.6115	0.0232	1.0968	0.3164	0.0773	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	11	133.4291	12.6077	0.0232	1.0968	0.3164	0.0774	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	12	133.4291	12.6043	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	13	133.4291	12.6025	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	14	133.4291	12.6006	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	15	133.4291	12.5954	0.0232	1.0968	0.3164	0.0775	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	16	133.4291	12.5957	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	17	133.4291	12.5962	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	18	133.4291	12.6005	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	19	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	20	133.4291	12.6026	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	21	133.4291	12.6044	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	22	133.4291	12.6078	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	23	133.4291	12.6039	0.0232	1.0968	0.3164	0.0776	0.0098	0.2101	0.1510	0.0000	0.0025
G53T	50	7	24	133.4291	12.6059	0.0232	1.0968	0.3164	0.0777	0.0098	0.2101	0.1510	0.0000	0.0025

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G1T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G1T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G2T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G3T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G3T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G4T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G5T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G5T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G6T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G7T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G7T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G8T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G9T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G9T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G10T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G11T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G11T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G12T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G13T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G13T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G14T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G15T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G15T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G16T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.057752	0.0491	0.0000	0.0000
G17T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G17T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G17T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G18T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G19T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001

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Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G19T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G19T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G20T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G21T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G21T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G22T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G23T	60	8	1	31.0187	2.0026	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	2	31.0187	2.0030	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	3	31.0187	2.0044	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	4	31.0187	2.0049	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	5	31.0187	2.0060	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	6	31.0187	2.0097	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	7	31.0187	2.0117	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	8	31.0187	2.0123	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	9	31.0187	2.0129	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	10	31.0187	2.0100	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	11	31.0187	2.0042	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	12	31.0187	1.9987	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	13	31.0187	1.9927	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	14	31.0187	1.9876	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	15	31.0187	1.9823	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	16	31.0187	1.9829	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	17	31.0187	1.9852	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	18	31.0187	1.9922	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	19	31.0187	1.9956	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	20	31.0187	1.9976	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	21	31.0187	2.0007	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	22	31.0187	2.0048	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	23	31.0187	2.0039	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001
G23T	60	8	24	31.0187	2.0057	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G24T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G24T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G25T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G26T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G26T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G26T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G27T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G28T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G28T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G29T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001
G30T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G30T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G30T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G31T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G32T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G32T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G32T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G33T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G34T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G34T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G34T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G35T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G36T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G36T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G37T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G38T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G38T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G39T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001
G40T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G41T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G41T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G42T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G43T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G43T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G44T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G45T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G45T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G46T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G47T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G47T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G48T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G49T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G49T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G49T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G50T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G50T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000
G51T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G51T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001
G52T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future No-Build Max Emission Rate (G/VMT)										
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein
G52T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G52T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001
G53T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G1T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G1T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G2T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G3T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G3T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G4T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G5T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G5T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G6T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G7T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G8T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G8T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G9T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G10T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G10T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G11T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G12T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G12T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G13T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G14T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G14T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G15T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G16T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G17T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G17T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G18T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G19T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G19T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G19T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G20T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G21T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G22T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G22T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G23T	60	8	1	31.0187	2.0026	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	2	31.0187	2.0030	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	3	31.0187	2.0044	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	4	31.0187	2.0049	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	5	31.0187	2.0060	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	6	31.0187	2.0097	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	7	31.0187	2.0117	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	8	31.0187	2.0123	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	9	31.0187	2.0129	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	10	31.0187	2.0100	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	11	31.0187	2.0042	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	12	31.0187	1.9987	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	13	31.0187	1.9927	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	14	31.0187	1.9876	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	15	31.0187	1.9823	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	16	31.0187	1.9829	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	17	31.0187	1.9852	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	18	31.0187	1.9922	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	19	31.0187	1.9956	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	20	31.0187	1.9976	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	21	31.0187	2.0007	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	22	31.0187	2.0048	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	23	31.0187	2.0039	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G23T	60	8	24	31.0187	2.0057	0.0125	0.5829	0.0879	0.0025	0.0000	0.1221	0.1040	0.0000	0.0001	2809.0468	18.8388	0.2501
G24T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)										Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G24T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G24T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G25T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G26T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G26T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G26T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G27T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G28T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G29T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G29T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G30T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G30T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G31T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G31T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G32T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G32T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)										Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G33T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G33T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G34T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G34T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G35T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G36T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G36T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G37T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)										Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G38T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G38T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G39T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	1	30.4095	1.9935	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	2	30.4095	1.9938	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	3	30.4095	1.9953	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	4	30.4095	1.9958	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	5	30.4095	1.9968	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	6	30.4095	2.0005	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	7	30.4095	2.0026	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	8	30.4095	2.0032	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	9	30.4095	2.0038	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	10	30.4095	2.0009	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	11	30.4095	1.9950	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	12	30.4095	1.9896	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	13	30.4095	1.9836	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	14	30.4095	1.9785	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	15	30.4095	1.9731	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	16	30.4095	1.9737	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	17	30.4095	1.9761	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	18	30.4095	1.9830	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	19	30.4095	1.9865	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	20	30.4095	1.9884	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	21	30.4095	1.9915	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	22	30.4095	1.9956	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	23	30.4095	1.9948	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G40T	60	8	24	30.4095	1.9965	0.0123	0.6142	0.0918	0.0025	0.0000	0.1240	0.1056	0.0000	0.0001	2766.4720	19.1401	0.2478
G41T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)										Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G41T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G41T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G42T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G43T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G43T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G44T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)										Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G45T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G45T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G46T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G47T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G48T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G48T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G49T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G49T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G50T	100	13	1	29.6350	1.1189	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	2	29.6350	1.1191	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	3	29.6350	1.1199	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	4	29.6350	1.1202	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	5	29.6350	1.1207	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	6	29.6350	1.1228	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	7	29.6350	1.1240	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	8	29.6350	1.1243	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	9	29.6350	1.1246	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	10	29.6350	1.1230	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	11	29.6350	1.1197	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	12	29.6350	1.1167	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	13	29.6350	1.1133	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	14	29.6350	1.1104	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	15	29.6350	1.1074	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	16	29.6350	1.1077	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	17	29.6350	1.1091	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	18	29.6350	1.1130	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	19	29.6350	1.1149	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	20	29.6350	1.1160	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	21	29.6350	1.1178	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	22	29.6350	1.1201	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	23	29.6350	1.1196	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G50T	100	13	24	29.6350	1.1206	0.0110	0.1060	0.0226	0.0014	0.0000	0.0578	0.0491	0.0000	0.0000	2494.8264	8.9072	0.2117
G51T	80	11	1	29.0009	1.3524	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	2	29.0009	1.3527	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	3	29.0009	1.3536	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	4	29.0009	1.3540	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	5	29.0009	1.3547	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	6	29.0009	1.3572	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	7	29.0009	1.3586	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	8	29.0009	1.3590	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	9	29.0009	1.3595	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	10	29.0009	1.3575	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	11	29.0009	1.3535	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	12	29.0009	1.3498	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	13	29.0009	1.3457	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	14	29.0009	1.3421	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	15	29.0009	1.3385	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	16	29.0009	1.3389	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	17	29.0009	1.3405	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	18	29.0009	1.3453	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	19	29.0009	1.3476	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	20	29.0009	1.3490	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	21	29.0009	1.3511	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	22	29.0009	1.3539	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	23	29.0009	1.3533	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218
G51T	80	11	24	29.0009	1.3545	0.0114	0.2355	0.0405	0.0017	0.0000	0.0777	0.0662	0.0000	0.0001	2574.2122	11.9913	0.2218

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)										Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G52T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G52T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	1	32.5192	2.5051	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	2	32.5192	2.5055	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	3	32.5192	2.5074	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	4	32.5192	2.5080	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	5	32.5192	2.5093	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	6	32.5192	2.5141	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	7	32.5192	2.5167	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	8	32.5192	2.5174	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	9	32.5192	2.5183	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	10	32.5192	2.5145	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	11	32.5192	2.5070	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	12	32.5192	2.5001	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	13	32.5192	2.4925	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	14	32.5192	2.4859	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	15	32.5192	2.4791	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	16	32.5192	2.4799	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	17	32.5192	2.4828	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	18	32.5192	2.4917	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	19	32.5192	2.4962	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	20	32.5192	2.4986	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	21	32.5192	2.5026	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	22	32.5192	2.5078	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	23	32.5192	2.5067	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G53T	50	7	24	32.5192	2.5090	0.0140	0.7469	0.1117	0.0028	0.0000	0.1386	0.1181	0.0000	0.0001	3163.8685	21.3657	0.2847
G58T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)										Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G58T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G58T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G59T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)										Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G60T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G60T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	1	42.4611	3.5125	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	2	42.4611	3.5131	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	3	42.4611	3.5156	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	4	42.4611	3.5164	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	5	42.4611	3.5182	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	6	42.4611	3.5245	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	7	42.4611	3.5280	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	8	42.4611	3.5290	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	9	42.4611	3.5301	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	10	42.4611	3.5251	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	11	42.4611	3.5152	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	12	42.4611	3.5060	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	13	42.4611	3.4958	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	14	42.4611	3.4871	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	15	42.4611	3.4780	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	16	42.4611	3.4790	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	17	42.4611	3.4830	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	18	42.4611	3.4948	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	19	42.4611	3.5007	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	20	42.4611	3.5040	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	21	42.4611	3.5092	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	22	42.4611	3.5162	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	23	42.4611	3.5147	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G61T	30	5	24	42.4611	3.5177	0.0160	1.2200	0.1756	0.0042	0.0000	0.2086	0.1777	0.0000	0.0001	3602.7162	32.1739	0.3374
G62T	110	15	1	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	3	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	4	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	5	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	6	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	7	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	8	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	9	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	10	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	11	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259

AECOM

Hwy 401 Maitland: Truck Emission Rate

Source Information				2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G62T	110	15	12	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	13	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	14	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	15	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	16	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	17	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	18	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	19	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	20	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	21	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	22	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	23	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G62T	110	15	24	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	1	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	3	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	4	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	5	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	6	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	7	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	8	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	9	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	10	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	11	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	12	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	13	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	14	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	15	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	16	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	17	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	18	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	19	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	20	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	21	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	22	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	23	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G63T	110	15	24	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259

AECOM

Hwy 401 Maitland: Truck Emission Rate Summary Table - New Posted Speed

Source Information					2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G1T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G1T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G2T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259

Source Information					2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G3T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G3T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G4T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259

Source Information					2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G5T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G5T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G6T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G7T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259

Source Information					2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G8T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G8T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G9T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259

Source Information					2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G10T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G10T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G11T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G12T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259

Source Information					2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G13T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G13T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G14T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259

Source Information					2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G15T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G15T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G16T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259

Source Information					2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G17T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G17T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G18T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259

Source Information					2051 Future Build Max Emission Rate (G/VMT)											Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO	NOx	SO2	PM10	PM2.5	Benzene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Benzo(a)pyrene	Acrolein	CO2	CH4	N2O
G49T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G49T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	1	2	32.9448	1.1876	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	2	2	32.9448	1.1878	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	3	2	32.9448	1.1888	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	4	2	32.9448	1.1891	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	5	2	32.9448	1.1898	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	6	2	32.9448	1.1923	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	7	2	32.9448	1.1937	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	8	2	32.9448	1.1941	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	9	2	32.9448	1.1945	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	10	2	32.9448	1.1925	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	11	2	32.9448	1.1886	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	12	2	32.9448	1.1849	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	13	2	32.9448	1.1809	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	14	2	32.9448	1.1774	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	15	2	32.9448	1.1738	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	16	2	32.9448	1.1742	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	17	2	32.9448	1.1758	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	18	2	32.9448	1.1805	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	19	2	32.9448	1.1828	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	20	2	32.9448	1.1841	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	21	2	32.9448	1.1862	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	22	2	32.9448	1.1890	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	23	2	32.9448	1.1884	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259
G50T	110	15	24	2	32.9448	1.1896	0.0120	0.0813	0.0196	0.0017	0.0000	0.0495	0.0421	0.0000	0.0001	2721.6223	7.5848	0.2259

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Appendix C

MOVES 4.0 Output Summary

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
1	0	1	4363.546035	7022.429175	1	0	1	0.177282411	0.285307675
1	0	2	4363.546035	7022.429175	1	0	2	0.177282411	0.285307675
1	0	3	4363.546035	7022.429175	1	0	3	0.177282411	0.285307675
1	0	4	4363.546035	7022.429175	1	0	4	0.177282411	0.285307675
1	0	5	4363.546035	7022.429175	1	0	5	0.177282411	0.285307675
1	0	6	4363.546035	7022.429175	1	0	6	0.177282411	0.285307675
1	0	7	4363.546035	7022.429175	1	0	7	0.177282411	0.285307675
1	0	8	4363.546035	7022.429175	1	0	8	0.177282411	0.285307675
1	0	9	4363.546035	7022.429175	1	0	9	0.177282411	0.285307675
1	0	10	4424.003146	7119.725223	1	0	10	0.177282411	0.285307675
1	0	11	4500.163684	7242.293424	1	0	11	0.177282411	0.285307675
1	0	12	4587.549229	7382.926476	1	0	12	0.177282411	0.285307675
1	0	13	4652.23814	7487.032927	1	0	13	0.177282411	0.285307675
1	0	14	4712.466521	7583.960871	1	0	14	0.177282411	0.285307675
1	0	15	4746.095369	7638.081121	1	0	15	0.177282411	0.285307675
1	0	16	4732.16089	7615.655806	1	0	16	0.177282411	0.285307675
1	0	17	4725.704617	7605.265468	1	0	17	0.177282411	0.285307675
1	0	18	4702.97666	7568.688457	1	0	18	0.177282411	0.285307675
1	0	19	4628.883144	7449.446799	1	0	19	0.177282411	0.285307675
1	0	20	4524.571419	7281.573768	1	0	20	0.177282411	0.285307675
1	0	21	4380.381675	7049.523446	1	0	21	0.177282411	0.285307675
1	0	22	4363.546035	7022.429175	1	0	22	0.177282411	0.285307675
1	0	23	4363.546035	7022.429175	1	0	23	0.177282411	0.285307675
1	0	24	4363.546035	7022.429175	1	0	24	0.177282411	0.285307675
2	1	1	2561.000647	4121.520781	2	1	1	0.091353271	0.147018473
2	1	2	2561.000647	4121.520781	2	1	2	0.091353271	0.147018473
2	1	3	2561.000647	4121.520781	2	1	3	0.091353271	0.147018473
2	1	4	2561.000647	4121.520781	2	1	4	0.091353271	0.147018473
2	1	5	2561.000647	4121.520781	2	1	5	0.091353271	0.147018473
2	1	6	2561.000647	4121.520781	2	1	6	0.091353271	0.147018473
2	1	7	2561.000647	4121.520781	2	1	7	0.091353271	0.147018473
2	1	8	2561.000647	4121.520781	2	1	8	0.091353271	0.147018473
2	1	9	2561.000647	4121.520781	2	1	9	0.091353271	0.147018473
2	1	10	2590.04222	4168.258547	2	1	10	0.091353271	0.147018473
2	1	11	2626.63948	4227.155981	2	1	11	0.091353271	0.147018473
2	1	12	2668.619053	4294.715387	2	1	12	0.091353271	0.147018473
2	1	13	2699.699657	4344.734645	2	1	13	0.091353271	0.147018473
2	1	14	2728.641995	4391.312708	2	1	14	0.091353271	0.147018473
2	1	15	2744.791305	4417.302439	2	1	15	0.091353271	0.147018473
2	1	16	2738.096651	4406.528465	2	1	16	0.091353271	0.147018473
2	1	17	2734.998554	4401.542574	2	1	17	0.091353271	0.147018473
2	1	18	2724.075541	4383.963731	2	1	18	0.091353271	0.147018473
2	1	19	2688.478068	4326.675295	2	1	19	0.091353271	0.147018473
2	1	20	2638.363876	4246.02452	2	1	20	0.091353271	0.147018473
2	1	21	2569.090464	4134.540048	2	1	21	0.091353271	0.147018473
2	1	22	2561.000647	4121.520781	2	1	22	0.091353271	0.147018473
2	1	23	2561.000647	4121.520781	2	1	23	0.091353271	0.147018473
2	1	24	2561.000647	4121.520781	2	1	24	0.091353271	0.147018473
2	5	1	605.7306954	974.8266374	2	5	1	0.019083872	0.030712438
2	5	2	605.7306954	974.8266374	2	5	2	0.019083872	0.030712438
2	5	3	605.7306954	974.8266374	2	5	3	0.019083872	0.030712438
2	5	4	605.7306954	974.8266374	2	5	4	0.019083872	0.030712438
2	5	5	605.7306954	974.8266374	2	5	5	0.019083872	0.030712438
2	5	6	605.7306954	974.8266374	2	5	6	0.019083872	0.030712438
2	5	7	605.7306954	974.8266374	2	5	7	0.019083872	0.030712438
2	5	8	605.7306954	974.8266374	2	5	8	0.019083872	0.030712438
2	5	9	605.7306954	974.8266374	2	5	9	0.019083872	0.030712438
2	5	10	610.5116589	982.5208331	2	5	10	0.019083872	0.030712438
2	5	11	616.5342453	992.2132224	2	5	11	0.019083872	0.030712438
2	5	12	623.4442787	1003.333815	2	5	12	0.019083872	0.030712438
2	5	13	628.5596213	1011.566141	2	5	13	0.019083872	0.030712438
2	5	14	633.3231985	1019.232356	2	5	14	0.019083872	0.030712438
2	5	15	635.9823697	1023.511867	2	5	15	0.019083872	0.030712438
2	5	16	634.8805082	1021.738597	2	5	16	0.019083872	0.030712438
2	5	17	634.3701539	1020.917263	2	5	17	0.019083872	0.030712438
2	5	18	632.572574	1018.024346	2	5	18	0.019083872	0.030712438
2	5	19	626.7132501	1008.594702	2	5	19	0.019083872	0.030712438
2	5	20	618.463739	995.3184338	2	5	20	0.019083872	0.030712438
2	5	21	607.0617973	976.9688328	2	5	21	0.019083872	0.030712438
2	5	22	605.7306954	974.8266374	2	5	22	0.019083872	0.030712438
2	5	23	605.7306954	974.8266374	2	5	23	0.019083872	0.030712438

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	5	24	605.7306954	974.8266374	2	5	24	0.019083872	0.030712438
2	6	1	544.241576	875.869738	2	6	1	0.017102987	0.027524521
2	6	2	544.241576	875.869738	2	6	2	0.017102987	0.027524521
2	6	3	544.241576	875.869738	2	6	3	0.017102987	0.027524521
2	6	4	544.241576	875.869738	2	6	4	0.017102987	0.027524521
2	6	5	544.241576	875.869738	2	6	5	0.017102987	0.027524521
2	6	6	544.241576	875.869738	2	6	6	0.017102987	0.027524521
2	6	7	544.241576	875.869738	2	6	7	0.017102987	0.027524521
2	6	8	544.241576	875.869738	2	6	8	0.017102987	0.027524521
2	6	9	544.241576	875.869738	2	6	9	0.017102987	0.027524521
2	6	10	548.2995688	882.400428	2	6	10	0.017102987	0.027524521
2	6	11	553.4119997	890.6280675	2	6	11	0.017102987	0.027524521
2	6	12	559.2778126	900.0681549	2	6	12	0.017102987	0.027524521
2	6	13	563.61991	907.056066	2	6	13	0.017102987	0.027524521
2	6	14	567.6634555	913.5635055	2	6	14	0.01710304	0.027524606
2	6	15	569.9207124	917.1961993	2	6	15	0.017102987	0.027524521
2	6	16	568.9850406	915.6903852	2	6	16	0.017102987	0.027524521
2	6	17	568.5514489	914.9925888	2	6	17	0.017102987	0.027524521
2	6	18	567.0261424	912.5378519	2	6	18	0.017102987	0.027524521
2	6	19	562.0523183	904.533278	2	6	19	0.017102987	0.027524521
2	6	20	555.0499078	893.2640186	2	6	20	0.017102987	0.027524521
2	6	21	545.3712392	877.6877501	2	6	21	0.017102987	0.027524521
2	6	22	544.241576	875.869738	2	6	22	0.017102987	0.027524521
2	6	23	544.241576	875.869738	2	6	23	0.01710304	0.027524606
2	6	24	544.241576	875.869738	2	6	24	0.017102987	0.027524521
2	7	1	505.3360829	813.2575717	2	7	1	0.015874138	0.025546886
2	7	2	505.3360829	813.2575717	2	7	2	0.015874138	0.025546886
2	7	3	505.3360829	813.2575717	2	7	3	0.015874138	0.025546886
2	7	4	505.3360829	813.2575717	2	7	4	0.015874138	0.025546886
2	7	5	505.3360829	813.2575717	2	7	5	0.015874138	0.025546886
2	7	6	505.3360829	813.2575717	2	7	6	0.015874138	0.025546886
2	7	7	505.3360829	813.2575717	2	7	7	0.015874138	0.025546886
2	7	8	505.3360829	813.2575717	2	7	8	0.015874138	0.025546886
2	7	9	505.3360829	813.2575717	2	7	9	0.015874138	0.025546886
2	7	10	508.9105518	819.0101075	2	7	10	0.015874138	0.025546886
2	7	11	513.4142065	826.258019	2	7	11	0.015874138	0.025546886
2	7	12	518.5809046	834.5729931	2	7	12	0.015874138	0.025546886
2	7	13	522.4055273	840.7281113	2	7	13	0.015874138	0.025546886
2	7	14	525.9680033	846.4613465	2	7	14	0.015874138	0.025546886
2	7	15	527.9557362	849.6602845	2	7	15	0.015874138	0.025546886
2	7	16	527.1314478	848.3337242	2	7	16	0.015874138	0.025546886
2	7	17	526.7503415	847.7203946	2	7	17	0.015874138	0.025546886
2	7	18	525.4061965	845.5572083	2	7	18	0.015874138	0.025546886
2	7	19	521.0249688	838.5063233	2	7	19	0.015874138	0.025546886
2	7	20	514.856749	828.5795605	2	7	20	0.015874138	0.025546886
2	7	21	506.331683	814.8598307	2	7	21	0.015874138	0.025546886
2	7	22	505.3360829	813.2575717	2	7	22	0.015874138	0.025546886
2	7	23	505.3360829	813.2575717	2	7	23	0.015874138	0.025546886
2	7	24	505.3360829	813.2575717	2	7	24	0.015874138	0.025546886
2	8	1	490.2868775	789.0382834	2	8	1	0.015388419	0.024765198
2	8	2	490.2868775	789.0382834	2	8	2	0.015388419	0.024765198
2	8	3	490.2868775	789.0382834	2	8	3	0.015388419	0.024765198
2	8	4	490.2868775	789.0382834	2	8	4	0.015388419	0.024765198
2	8	5	490.2868775	789.0382834	2	8	5	0.015388419	0.024765198
2	8	6	490.2868775	789.0382834	2	8	6	0.015388419	0.024765198
2	8	7	490.2868775	789.0382834	2	8	7	0.015388419	0.024765198
2	8	8	490.2868775	789.0382834	2	8	8	0.015388419	0.024765198
2	8	9	490.2868775	789.0382834	2	8	9	0.015388419	0.024765198
2	8	10	493.5805628	794.338943	2	8	10	0.015388419	0.024765198
2	8	11	497.7306251	801.0178042	2	8	11	0.015388419	0.024765198
2	8	12	502.4915822	808.679803	2	8	12	0.015388419	0.024765198
2	8	13	506.0153893	814.3508066	2	8	13	0.015388419	0.024765198
2	8	14	509.2971317	819.6322459	2	8	14	0.015388419	0.024765198
2	8	15	511.1296166	822.5813372	2	8	15	0.015388419	0.024765198
2	8	16	510.3697113	821.3583911	2	8	16	0.015388419	0.024765198
2	8	17	510.0180757	820.79249	2	8	17	0.015388419	0.024765198
2	8	18	508.7803475	818.8005644	2	8	18	0.015388419	0.024765198
2	8	19	504.7432734	812.3035396	2	8	19	0.015388419	0.024765198
2	8	20	499.0599099	803.1570754	2	8	20	0.015388419	0.024765198
2	8	21	491.2038906	790.5140692	2	8	21	0.015388419	0.024765198
2	8	22	490.2868775	789.0382834	2	8	22	0.015388419	0.024765198

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
2	8	23	490.2868775	789.0382834	2	8	23	0.015388419	0.024765198
2	8	24	490.2868775	789.0382834	2	8	24	0.015388419	0.024765198
2	10	1	472.4238184	760.2905479	2	10	1	0.01480845	0.023831831
2	10	2	472.4238184	760.2905479	2	10	2	0.01480845	0.023831831
2	10	3	472.4238184	760.2905479	2	10	3	0.01480845	0.023831831
2	10	4	472.4238184	760.2905479	2	10	4	0.01480845	0.023831831
2	10	5	472.4238184	760.2905479	2	10	5	0.01480845	0.023831831
2	10	6	472.4238184	760.2905479	2	10	6	0.01480845	0.023831831
2	10	7	472.4238184	760.2905479	2	10	7	0.01480845	0.023831831
2	10	8	472.4238184	760.2905479	2	10	8	0.01480845	0.023831831
2	10	9	472.4238184	760.2905479	2	10	9	0.01480845	0.023831831
2	10	10	475.3540331	765.0062597	2	10	10	0.01480845	0.023831831
2	10	11	479.0459772	770.9478529	2	10	11	0.01480845	0.023831831
2	10	12	483.2814376	777.7641487	2	10	12	0.01480845	0.023831831
2	10	13	486.4170332	782.8103882	2	10	13	0.01480845	0.023831831
2	10	14	489.3371441	787.5098394	2	10	14	0.01480845	0.023831831
2	10	15	490.9671844	790.1331286	2	10	15	0.01480845	0.023831831
2	10	16	490.2912659	789.0453459	2	10	16	0.01480845	0.023831831
2	10	17	489.9780598	788.5412908	2	10	17	0.01480845	0.023831831
2	10	18	488.8769887	786.7692931	2	10	18	0.01480845	0.023831831
2	10	19	485.2853332	780.9890981	2	10	19	0.01480845	0.023831831
2	10	20	480.2287312	772.8513063	2	10	20	0.01480845	0.023831831
2	10	21	473.2398081	761.6037528	2	10	21	0.01480845	0.023831831
2	10	22	472.4238554	760.2906074	2	10	22	0.01480845	0.023831831
2	10	23	472.4238184	760.2905479	2	10	23	0.01480845	0.023831831
2	10	24	472.4238184	760.2905479	2	10	24	0.01480845	0.023831831
2	11	1	460.1527266	740.542189	2	11	1	0.014333538	0.023067536
2	11	2	460.1527266	740.542189	2	11	2	0.014333538	0.023067536
2	11	3	460.1527266	740.542189	2	11	3	0.014333538	0.023067536
2	11	4	460.1527266	740.542189	2	11	4	0.014333538	0.023067536
2	11	5	460.1527266	740.542189	2	11	5	0.014333538	0.023067536
2	11	6	460.1527266	740.542189	2	11	6	0.014333538	0.023067536
2	11	7	460.1527266	740.542189	2	11	7	0.014333538	0.023067536
2	11	8	460.1527266	740.542189	2	11	8	0.014333538	0.023067536
2	11	9	460.1527266	740.542189	2	11	9	0.014333538	0.023067536
2	11	10	462.9273079	745.0074337	2	11	10	0.014333538	0.023067536
2	11	11	466.4243899	750.6354276	2	11	11	0.014333538	0.023067536
2	11	12	470.4360087	757.0914862	2	11	12	0.014333538	0.023067536
2	11	13	473.405941	761.8711171	2	11	13	0.014333538	0.023067536
2	11	14	476.1713186	766.3215498	2	11	14	0.014333538	0.023067536
2	11	15	477.7153557	768.8064305	2	11	15	0.014333538	0.023067536
2	11	16	477.0754511	767.7766064	2	11	16	0.014333538	0.023067536
2	11	17	476.7790965	767.2996712	2	11	17	0.014333538	0.023067536
2	11	18	475.735484	765.6201438	2	11	18	0.014333538	0.023067536
2	11	19	472.334004	760.146006	2	11	19	0.014333538	0.023067536
2	11	20	467.5449701	752.4388222	2	11	20	0.014333538	0.023067536
2	11	21	460.9252766	741.7854846	2	11	21	0.014333538	0.023067536
2	11	22	460.1527266	740.542189	2	11	22	0.014333538	0.023067536
2	11	23	460.1527266	740.542189	2	11	23	0.014333538	0.023067536
2	11	24	460.1527266	740.542189	2	11	24	0.014333538	0.023067536

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	13	1	442.2933229	711.8003362
2	13	2	442.2933229	711.8003362
2	13	3	442.2933229	711.8003362
2	13	4	442.2933229	711.8003362
2	13	5	442.2933229	711.8003362
2	13	6	442.2933229	711.8003362
2	13	7	442.2933229	711.8003362
2	13	8	442.2933229	711.8003362
2	13	9	442.2933229	711.8003362
2	13	10	444.8382744	715.8960285
2	13	11	448.0445222	721.0559714
2	13	12	451.7239348	726.9773973
2	13	13	454.4464228	731.3588061
2	13	14	456.9828487	735.4407777
2	13	15	458.3978193	737.7179465
2	13	16	457.8115147	736.7743831
2	13	17	457.5393875	736.3364378
2	13	18	456.5829411	734.7971904
2	13	19	453.4638213	729.7774662
2	13	20	449.0722997	722.7100149
2	13	21	443.0022994	712.9413206
2	13	22	442.2933229	711.8003362
2	13	23	442.2933229	711.8003362
2	13	24	442.2933229	711.8003362
3	1	1	2561.000647	4121.520781
3	1	2	2561.000647	4121.520781
3	1	3	2561.000647	4121.520781
3	1	4	2561.000647	4121.520781
3	1	5	2561.000647	4121.520781
3	1	6	2561.000647	4121.520781
3	1	7	2561.000647	4121.520781
3	1	8	2561.000647	4121.520781
3	1	9	2561.000647	4121.520781
3	1	10	2590.04222	4168.258547
3	1	11	2626.63948	4227.155981
3	1	12	2668.619053	4294.715387
3	1	13	2699.699657	4344.734645
3	1	14	2728.641995	4391.312708
3	1	15	2744.791305	4417.302439
3	1	16	2738.096651	4406.528465
3	1	17	2734.998554	4401.542574
3	1	18	2724.075541	4383.963731
3	1	19	2688.478068	4326.675295
3	1	20	2638.363876	4246.02452
3	1	21	2569.090464	4134.540048
3	1	22	2561.000647	4121.520781
3	1	23	2561.000647	4121.520781
3	1	24	2561.000647	4121.520781
3	7	1	531.0223316	854.5954791
3	7	2	531.0223316	854.5954791
3	7	3	531.0223316	854.5954791
3	7	4	531.0223316	854.5954791
3	7	5	531.0223316	854.5954791
3	7	6	531.0223316	854.5954791
3	7	7	531.0223316	854.5954791
3	7	8	531.0223316	854.5954791
3	7	9	531.0223316	854.5954791
3	7	10	534.6491816	860.432314
3	7	11	539.2179262	867.7849774
3	7	12	544.4596304	876.2206616
3	7	13	548.3402901	882.4659625
3	7	14	551.9534627	888.2807857
3	7	15	553.970802	891.5273705
3	7	16	553.1351046	890.1824492
3	7	17	552.7472599	889.5582752
3	7	18	551.3835678	887.3636311
3	7	19	546.939513	880.2116358
3	7	20	540.6812656	870.1399881
3	7	21	532.0327598	856.2216017
3	7	22	531.0223316	854.5954791
3	7	23	531.0223316	854.5954791
3	7	24	531.0223316	854.5954791

PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	13	1	0.013597392	0.021882827
2	13	2	0.013597392	0.021882827
2	13	3	0.013597392	0.021882827
2	13	4	0.013597392	0.021882827
2	13	5	0.013597392	0.021882827
2	13	6	0.013597392	0.021882827
2	13	7	0.013597392	0.021882827
2	13	8	0.013597392	0.021882827
2	13	9	0.013597392	0.021882827
2	13	10	0.013597392	0.021882827
2	13	11	0.013597392	0.021882827
2	13	12	0.013597392	0.021882827
2	13	13	0.013597392	0.021882827
2	13	14	0.013597392	0.021882827
2	13	15	0.013597392	0.021882827
2	13	16	0.013597392	0.021882827
2	13	17	0.013597392	0.021882827
2	13	18	0.013597392	0.021882827
2	13	19	0.013597392	0.021882827
2	13	20	0.013597392	0.021882827
2	13	21	0.013597392	0.021882827
2	13	22	0.013597392	0.021882827
2	13	23	0.013597392	0.021882827
2	13	24	0.013597392	0.021882827
3	1	1	0.091353271	0.147018473
3	1	2	0.091353271	0.147018473
3	1	3	0.091353271	0.147018473
3	1	4	0.091353271	0.147018473
3	1	5	0.091353271	0.147018473
3	1	6	0.091353271	0.147018473
3	1	7	0.091353271	0.147018473
3	1	8	0.091353271	0.147018473
3	1	9	0.091353271	0.147018473
3	1	10	0.091353271	0.147018473
3	1	11	0.091353271	0.147018473
3	1	12	0.091353271	0.147018473
3	1	13	0.091353271	0.147018473
3	1	14	0.091353271	0.147018473
3	1	15	0.091353271	0.147018473
3	1	16	0.091353271	0.147018473
3	1	17	0.091353271	0.147018473
3	1	18	0.091353271	0.147018473
3	1	19	0.091353271	0.147018473
3	1	20	0.091353271	0.147018473
3	1	21	0.091353271	0.147018473
3	1	22	0.091353271	0.147018473
3	1	23	0.091353271	0.147018473
3	1	24	0.091353271	0.147018473
3	7	1	0.017108214	0.027532933
3	7	2	0.017108214	0.027532933
3	7	3	0.017108214	0.027532933
3	7	4	0.017108214	0.027532933
3	7	5	0.017108214	0.027532933
3	7	6	0.017108214	0.027532933
3	7	7	0.017108214	0.027532933
3	7	8	0.017108214	0.027532933
3	7	9	0.017108214	0.027532933
3	7	10	0.017108214	0.027532933
3	7	11	0.017108214	0.027532933
3	7	12	0.017108214	0.027532933
3	7	13	0.017108214	0.027532933
3	7	14	0.017108214	0.027532933
3	7	15	0.017108214	0.027532933
3	7	16	0.017108214	0.027532933
3	7	17	0.017108214	0.027532933
3	7	18	0.017108214	0.027532933
3	7	19	0.017108214	0.027532933
3	7	20	0.017108214	0.027532933
3	7	21	0.017108214	0.027532933
3	7	22	0.017108214	0.027532933
3	7	23	0.017108214	0.027532933
3	7	24	0.017108214	0.027532933

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
3	8	1	502.9194985	809.3684656	3	8	1	0.016067493	0.025858059
3	8	2	502.9194985	809.3684656	3	8	2	0.016067493	0.025858059
3	8	3	502.9194985	809.3684656	3	8	3	0.016067493	0.025858059
3	8	4	502.9194985	809.3684656	3	8	4	0.016067493	0.025858059
3	8	5	502.9194985	809.3684656	3	8	5	0.016067493	0.025858059
3	8	6	502.9194985	809.3684656	3	8	6	0.016067493	0.025858059
3	8	7	502.9194985	809.3684656	3	8	7	0.016067493	0.025858059
3	8	8	502.9194985	809.3684656	3	8	8	0.016067493	0.025858059
3	8	9	502.9194985	809.3684656	3	8	9	0.016067493	0.025858059
3	8	10	506.2286734	814.6940532	3	8	10	0.016067493	0.025858059
3	8	11	510.3976415	821.4033403	3	8	11	0.016067493	0.025858059
3	8	12	515.1815888	829.1023381	3	8	12	0.016067493	0.025858059
3	8	13	518.7221852	834.8003615	3	8	13	0.016067493	0.025858059
3	8	14	522.0189324	840.1059486	3	8	14	0.016067493	0.025858059
3	8	15	523.8596913	843.0683555	3	8	15	0.016067493	0.025858059
3	8	16	523.0965629	841.8402226	3	8	16	0.016067493	0.025858059
3	8	17	522.7433409	841.2717682	3	8	17	0.016067493	0.025858059
3	8	18	521.4993119	839.2697026	3	8	18	0.016067493	0.025858059
3	8	19	517.4437186	832.7428741	3	8	19	0.016067493	0.025858059
3	8	20	511.733227	823.5527516	3	8	20	0.016067493	0.025858059
3	8	21	503.8412258	810.8518383	3	8	21	0.016067493	0.025858059
3	8	22	502.9194985	809.3684656	3	8	22	0.016067493	0.025858059
3	8	23	502.9194985	809.3684656	3	8	23	0.016067493	0.025858059
3	8	24	502.9194985	809.3684656	3	8	24	0.016067493	0.025858059
3	10	1	472.8377428	760.956693	3	10	1	0.014870188	0.023931188
3	10	2	472.8377428	760.956693	3	10	2	0.014870188	0.023931188
3	10	3	472.8377428	760.956693	3	10	3	0.014870188	0.023931188
3	10	4	472.8377428	760.956693	3	10	4	0.014870188	0.023931188
3	10	5	472.8377428	760.956693	3	10	5	0.014870188	0.023931188
3	10	6	472.8377428	760.956693	3	10	6	0.014870188	0.023931188
3	10	7	472.8377428	760.956693	3	10	7	0.014870188	0.023931188
3	10	8	472.8377428	760.956693	3	10	8	0.014870188	0.023931188
3	10	9	472.8377428	760.956693	3	10	9	0.014870188	0.023931188
3	10	10	475.7474028	765.6393251	3	10	10	0.014870188	0.023931188
3	10	11	479.4137594	771.5397396	3	10	11	0.014870188	0.023931188
3	10	12	483.6195519	778.3082896	3	10	12	0.014870188	0.023931188
3	10	13	486.7335668	783.3197984	3	10	13	0.014870188	0.023931188
3	10	14	489.6330664	787.9860791	3	10	14	0.014870188	0.023931188
3	10	15	491.2516522	790.590934	3	10	15	0.014870188	0.023931188
3	10	16	490.5801557	789.5102677	3	10	16	0.014870188	0.023931188
3	10	17	490.2694538	789.0102428	3	10	17	0.014870188	0.023931188
3	10	18	489.1760416	787.2505709	3	10	18	0.014870188	0.023931188
3	10	19	485.6091908	781.5102951	3	10	19	0.014870188	0.023931188
3	10	20	480.5883264	773.4300171	3	10	20	0.014870188	0.023931188
3	10	21	473.6478563	762.260441	3	10	21	0.014870188	0.023931188
3	10	22	472.8377428	760.956693	3	10	22	0.014870188	0.023931188
3	10	23	472.8377428	760.956693	3	10	23	0.014870188	0.023931188
3	10	24	472.8377428	760.956693	3	10	24	0.014870188	0.023931188
3	11	1	462.7823198	744.7740986	3	11	1	0.014450256	0.023255375
3	11	2	462.7823198	744.7740986	3	11	2	0.014450256	0.023255375
3	11	3	462.7823198	744.7740986	3	11	3	0.014450256	0.023255375
3	11	4	462.7823198	744.7740986	3	11	4	0.014450256	0.023255375
3	11	5	462.7823198	744.7740986	3	11	5	0.014450256	0.023255375
3	11	6	462.7823198	744.7740986	3	11	6	0.014450256	0.023255375
3	11	7	462.7823198	744.7740986	3	11	7	0.014450256	0.023255375
3	11	8	462.7823198	744.7740986	3	11	8	0.014450256	0.023255375
3	11	9	462.7823198	744.7740986	3	11	9	0.014450256	0.023255375
3	11	10	465.5551738	749.2365634	3	11	10	0.014450256	0.023255375
3	11	11	469.0481323	754.8579212	3	11	11	0.014450256	0.023255375
3	11	12	473.054808	761.3060246	3	11	12	0.014450256	0.023255375
3	11	13	476.0215716	766.0805561	3	11	13	0.014450256	0.023255375
3	11	14	478.7838804	770.5260501	3	11	14	0.014450256	0.023255375
3	11	15	480.3262864	773.0083058	3	11	15	0.014450256	0.023255375
3	11	16	479.6869582	771.9794093	3	11	16	0.014450256	0.023255375
3	11	17	479.3909885	771.5030935	3	11	17	0.014450256	0.023255375
3	11	18	478.3491504	769.8264218	3	11	18	0.014450256	0.023255375
3	11	19	474.9505959	764.3569919	3	11	19	0.014450256	0.023255375
3	11	20	470.1674164	756.6592299	3	11	20	0.014450256	0.023255375
3	11	21	463.5548217	746.0173167	3	11	21	0.014450256	0.023255375
3	11	22	462.7823198	744.7740986	3	11	22	0.014450256	0.023255375
3	11	23	462.7823198	744.7740986	3	11	23	0.014450256	0.023255375
3	11	24	462.7823198	744.7740986	3	11	24	0.014450256	0.023255375

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	6	1	594.2529169	956.3549893	5	6	1	0.019177967	0.03086387
5	6	2	594.2529169	956.3549893	5	6	2	0.019177967	0.03086387
5	6	3	594.2529169	956.3549893	5	6	3	0.019177967	0.03086387
5	6	4	594.2529169	956.3549893	5	6	4	0.019177967	0.03086387
5	6	5	594.2529169	956.3549893	5	6	5	0.019177967	0.03086387
5	6	6	594.2529169	956.3549893	5	6	6	0.019177967	0.03086387
5	6	7	594.2529169	956.3549893	5	6	7	0.019177967	0.03086387
5	6	8	594.2529169	956.3549893	5	6	8	0.019177967	0.03086387
5	6	9	594.2529169	956.3549893	5	6	9	0.019177967	0.03086387
5	6	10	598.4026949	963.033393	5	6	10	0.019177967	0.03086387
5	6	11	603.6316283	971.4485246	5	6	11	0.019177967	0.03086387
5	6	12	609.6300362	981.1020025	5	6	12	0.019177967	0.03086387
5	6	13	614.070759	988.2486353	5	6	13	0.019177967	0.03086387
5	6	14	618.2051767	994.9023191	5	6	14	0.019177967	0.03086387
5	6	15	620.5140808	998.6181307	5	6	15	0.019177967	0.03086387
5	6	16	619.5568259	997.0775822	5	6	16	0.019177967	0.03086387
5	6	17	619.1139816	996.3648952	5	6	17	0.019177967	0.03086387
5	6	18	617.5536488	993.8537892	5	6	18	0.019177967	0.03086387
5	6	19	612.4670347	985.6676976	5	6	19	0.019177967	0.03086387
5	6	20	605.3066338	974.1441781	5	6	20	0.019177967	0.03086387
5	6	21	595.4087885	958.2151797	5	6	21	0.019177967	0.03086387
5	6	22	594.2529169	956.3549893	5	6	22	0.019177967	0.03086387
5	6	23	594.2529169	956.3549893	5	6	23	0.019177967	0.03086387
5	6	24	594.2529169	956.3549893	5	6	24	0.019177967	0.03086387
5	8	1	501.6580309	807.3383354	5	8	1	0.016070173	0.025862372
5	8	2	501.6580309	807.3383354	5	8	2	0.016070173	0.025862372
5	8	3	501.6580309	807.3383354	5	8	3	0.016070173	0.025862372
5	8	4	501.6580309	807.3383354	5	8	4	0.016070173	0.025862372
5	8	5	501.6580309	807.3383354	5	8	5	0.016070173	0.025862372
5	8	6	501.6580309	807.3383354	5	8	6	0.016070173	0.025862372
5	8	7	501.6580309	807.3383354	5	8	7	0.016070173	0.025862372
5	8	8	501.6580309	807.3383354	5	8	8	0.016070173	0.025862372
5	8	9	501.6580309	807.3383354	5	8	9	0.016070173	0.025862372
5	8	10	504.9739452	812.674769	5	8	10	0.016070173	0.025862372
5	8	11	509.1525354	819.3995413	5	8	11	0.016070173	0.025862372
5	8	12	513.9452915	827.1127155	5	8	12	0.016070173	0.025862372
5	8	13	517.4932989	832.8226656	5	8	13	0.016070173	0.025862372
5	8	14	520.7977485	838.1406486	5	8	14	0.016070173	0.025862372
5	8	15	522.6426445	841.1097135	5	8	15	0.016070173	0.025862372
5	8	16	521.8781683	839.8794114	5	8	16	0.016070173	0.025862372
5	8	17	521.5245115	839.3102573	5	8	17	0.016070173	0.025862372
5	8	18	520.2772585	837.3030031	5	8	18	0.016070173	0.025862372
5	8	19	516.2129562	830.762159	5	8	19	0.016070173	0.025862372
5	8	20	510.4905752	821.5529023	5	8	20	0.016070173	0.025862372
5	8	21	502.5816842	808.8248077	5	8	21	0.016070173	0.025862372
5	8	22	501.6580309	807.3383354	5	8	22	0.016070173	0.025862372
5	8	23	501.6580309	807.3383354	5	8	23	0.016070173	0.025862372
5	8	24	501.6580309	807.3383354	5	8	24	0.016070173	0.025862372

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	11	1	457.687167	736.5742653	5	11	1	0.01433204	0.023065125
5	11	2	457.687167	736.5742653	5	11	2	0.01433204	0.023065125
5	11	3	457.687167	736.5742653	5	11	3	0.01433204	0.023065125
5	11	4	457.687167	736.5742653	5	11	4	0.01433204	0.023065125
5	11	5	457.687167	736.5742653	5	11	5	0.01433204	0.023065125
5	11	6	457.687167	736.5742653	5	11	6	0.01433204	0.023065125
5	11	7	457.687167	736.5742653	5	11	7	0.014332045	0.023065133
5	11	8	457.687167	736.5742653	5	11	8	0.01433204	0.023065125
5	11	9	457.687167	736.5742653	5	11	9	0.01433204	0.023065125
5	11	10	460.454889	741.028471	5	11	10	0.01433204	0.023065125
5	11	11	463.9427073	746.6415565	5	11	11	0.01433204	0.023065125
5	11	12	467.9434196	753.0800628	5	11	12	0.01433204	0.023065125
5	11	13	470.9053862	757.8468742	5	11	13	0.01433204	0.023065125
5	11	14	473.6631412	762.2850396	5	11	14	0.01433204	0.023065125
5	11	15	475.2034595	764.7639356	5	11	15	0.01433204	0.023065125
5	11	16	474.5653394	763.7369833	5	11	16	0.01433204	0.023065125
5	11	17	474.2691347	763.2602892	5	11	17	0.01433204	0.023065125
5	11	18	473.2288478	761.5861139	5	11	18	0.01433204	0.023065125
5	11	19	469.836105	756.1260372	5	11	19	0.01433204	0.023065125
5	11	20	465.0597186	748.4392076	5	11	20	0.01433204	0.023065125
5	11	21	458.4582175	737.8151477	5	11	21	0.01433204	0.023065125
5	11	22	457.687167	736.5742653	5	11	22	0.01433204	0.023065125
5	11	23	457.687167	736.5742653	5	11	23	0.01433204	0.023065125
5	11	24	457.687167	736.5742653	5	11	24	0.01433204	0.023065125
5	7	1	531.0223316	854.5954791	5	7	1	0.017108214	0.027532933
5	7	2	531.0223316	854.5954791	5	7	2	0.017108214	0.027532933
5	7	3	531.0223316	854.5954791	5	7	3	0.017108214	0.027532933
5	7	4	531.0223316	854.5954791	5	7	4	0.017108214	0.027532933
5	7	5	531.0223316	854.5954791	5	7	5	0.017108214	0.027532933
5	7	6	531.0223316	854.5954791	5	7	6	0.017108214	0.027532933
5	7	7	531.0223316	854.5954791	5	7	7	0.017108214	0.027532933
5	7	8	531.0223316	854.5954791	5	7	8	0.017108214	0.027532933
5	7	9	531.0223316	854.5954791	5	7	9	0.017108214	0.027532933
5	7	10	534.6491816	860.432314	5	7	10	0.017108214	0.027532933
5	7	11	539.2179262	867.7849774	5	7	11	0.017108214	0.027532933
5	7	12	544.4596304	876.2206616	5	7	12	0.017108214	0.027532933
5	7	13	548.3402901	882.4659625	5	7	13	0.017108214	0.027532933
5	7	14	551.9534627	888.2807857	5	7	14	0.017108214	0.027532933
5	7	15	553.970802	891.5273705	5	7	15	0.017108214	0.027532933
5	7	16	553.1351046	890.1824492	5	7	16	0.017108214	0.027532933
5	7	17	552.7472599	889.5582752	5	7	17	0.017108214	0.027532933
5	7	18	551.3835678	887.3636311	5	7	18	0.017108214	0.027532933
5	7	19	546.939513	880.2116358	5	7	19	0.017108214	0.027532933
5	7	20	540.6812656	870.1399881	5	7	20	0.017108214	0.027532933
5	7	21	532.0327598	856.2216017	5	7	21	0.017108214	0.027532933
5	7	22	531.0223316	854.5954791	5	7	22	0.017108214	0.027532933
5	7	23	531.0223316	854.5954791	5	7	23	0.017108214	0.027532933
5	7	24	531.0223316	854.5954791	5	7	24	0.017108214	0.027532933

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)		
			G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR
1	0	1	0.147003344	0.236578362
1	0	2	0.147003344	0.236578362
1	0	3	0.147003344	0.236578362
1	0	4	0.147003344	0.236578362
1	0	5	0.147003344	0.236578362
1	0	6	0.147003344	0.236578362
1	0	7	0.147003344	0.236578362
1	0	8	0.147003344	0.236578362
1	0	9	0.147003344	0.236578362
1	0	10	0.147438515	0.2372787
1	0	11	0.147986476	0.238160555
1	0	12	0.148615162	0.239172324
1	0	13	0.149080878	0.239921821
1	0	14	0.149513942	0.240618767
1	0	15	0.149755802	0.241008003
1	0	16	0.149655597	0.240846738
1	0	17	0.14960878	0.240771394
1	0	18	0.149445811	0.240509122
1	0	19	0.148912091	0.239650185
1	0	20	0.148161924	0.238442911
1	0	21	0.147124621	0.236773538
1	0	22	0.147003344	0.236578362
1	0	23	0.147003344	0.236578362
1	0	24	0.147003344	0.236578362
2	1	1	0.106757699	0.171809435
2	1	2	0.106757699	0.171809435
2	1	3	0.106757699	0.171809435
2	1	4	0.106757699	0.171809435
2	1	5	0.106757699	0.171809435
2	1	6	0.106757699	0.171809435
2	1	7	0.106757699	0.171809435
2	1	8	0.106757699	0.171809435
2	1	9	0.106757699	0.171809435
2	1	10	0.107306758	0.172693057
2	1	11	0.107998418	0.173806174
2	1	12	0.108791943	0.175083226
2	1	13	0.109379829	0.176029333
2	1	14	0.109927116	0.176910104
2	1	15	0.110232039	0.17740083
2	1	16	0.110105538	0.177197246
2	1	17	0.110046941	0.177102943
2	1	18	0.109840657	0.176770963
2	1	19	0.109167716	0.175687972
2	1	20	0.108219993	0.174162763
2	1	21	0.106910521	0.172055377
2	1	22	0.106757699	0.171809435
2	1	23	0.106757699	0.171809435
2	1	24	0.106757699	0.171809435
2	5	1	0.024341812	0.039174252
2	5	2	0.024341812	0.039174252
2	5	3	0.024341812	0.039174252
2	5	4	0.024341812	0.039174252
2	5	5	0.024341812	0.039174252
2	5	6	0.024341812	0.039174252
2	5	7	0.024341812	0.039174252
2	5	8	0.024341812	0.039174252
2	5	9	0.024341812	0.039174252
2	5	10	0.024500412	0.039429493
2	5	11	0.024700242	0.039751088
2	5	12	0.024929557	0.040120133
2	5	13	0.025099243	0.040393216
2	5	14	0.02525726	0.040647519
2	5	15	0.02534552	0.04078956
2	5	16	0.025308985	0.040730762
2	5	17	0.025292033	0.04070348
2	5	18	0.02523239	0.040607494
2	5	19	0.025037992	0.040294642
2	5	20	0.024764268	0.039854127
2	5	21	0.024386014	0.039245388
2	5	22	0.024341812	0.039174252
2	5	23	0.024341812	0.039174252

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)		
			G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR
1	0	1	12.20036347	19.63453295
1	0	2	12.20036347	19.63453295
1	0	3	12.20036347	19.63453295
1	0	4	12.20036347	19.63453295
1	0	5	12.20036347	19.63453295
1	0	6	12.20036347	19.63453295
1	0	7	12.20036347	19.63453295
1	0	8	12.20036347	19.63453295
1	0	9	12.20036347	19.63453295
1	0	10	12.20036347	19.63453295
1	0	11	12.20036347	19.63453295
1	0	12	12.2043983	19.64102637
1	0	13	12.25751925	19.72651603
1	0	14	12.31567326	19.8201056
1	0	15	12.3482998	19.87261281
1	0	16	12.3347884	19.85086837
1	0	17	12.3285422	19.84081611
1	0	18	12.30643442	19.80523716
1	0	19	12.23714093	19.69372038
1	0	20	12.20036347	19.63453295
1	0	21	12.20036347	19.63453295
1	0	22	12.20036347	19.63453295
1	0	23	12.20036347	19.63453295
1	0	24	12.20036347	19.63453295
2	1	1	16.275341	26.19255729
2	1	2	16.275341	26.19255729
2	1	3	16.275341	26.19255729
2	1	4	16.275341	26.19255729
2	1	5	16.275341	26.19255729
2	1	6	16.275341	26.19255729
2	1	7	16.275341	26.19255729
2	1	8	16.275341	26.19255729
2	1	9	16.275341	26.19255729
2	1	10	16.63573659	26.77255633
2	1	11	17.29283149	27.83004542
2	1	12	18.04675733	29.04336844
2	1	13	18.60473515	29.94134447
2	1	14	19.1244223	30.77769778
2	1	15	19.41453493	31.24458765
2	1	16	19.29428674	31.05106743
2	1	17	19.2386439	30.96151917
2	1	18	19.04251761	30.6458853
2	1	19	18.40328989	29.61715056
2	1	20	17.50333554	28.16881802
2	1	21	16.275341	26.19255729
2	1	22	16.275341	26.19255729
2	1	23	16.275341	26.19255729
2	1	24	16.275341	26.19255729
2	5	1	4.426707989	7.124078234
2	5	2	4.426707989	7.124078234
2	5	3	4.426707989	7.124078234
2	5	4	4.426707989	7.124078234
2	5	5	4.426707989	7.124078234
2	5	6	4.426707989	7.124078234
2	5	7	4.426707989	7.124078234
2	5	8	4.426707989	7.124078234
2	5	9	4.426707989	7.124078234
2	5	10	4.532934844	7.295033361
2	5	11	4.739005047	7.626670383
2	5	12	4.975413337	8.0071317
2	5	13	5.150434014	8.288799476
2	5	14	5.313399386	8.551066168
2	5	15	5.404384707	8.697492485
2	5	16	5.366675021	8.636804779
2	5	17	5.349204812	8.608689273
2	5	18	5.287718047	8.509736161
2	5	19	5.087249489	8.187114093
2	5	20	4.805023384	7.732916333
2	5	21	4.426707989	7.124078234
2	5	22	4.426707989	7.124078234
2	5	23	4.426707989	7.124078234

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)			
RoadTypeID	AverageSpeedID	HourID		G/VKT CAR	G/VMT CAR
2	5	24		0.024341812	0.039174252
2	6	1		0.021034674	0.033851943
2	6	2		0.021034674	0.033851943
2	6	3		0.021034674	0.033851943
2	6	4		0.021034674	0.033851943
2	6	5		0.021034674	0.033851943
2	6	6		0.021034674	0.033851943
2	6	7		0.021034674	0.033851943
2	6	8		0.021034674	0.033851943
2	6	9		0.021034674	0.033851943
2	6	10		0.02117331	0.034075055
2	6	11		0.021347996	0.034356184
2	6	12		0.02154838	0.034678669
2	6	13		0.021696806	0.034917537
2	6	14		0.021834907	0.035139789
2	6	15		0.021912084	0.035263993
2	6	16		0.021880093	0.035212509
2	6	17		0.021865242	0.035188608
2	6	18		0.021813154	0.035104782
2	6	19		0.021643216	0.034831293
2	6	20		0.021403965	0.034446257
2	6	21		0.021073258	0.033914037
2	6	22		0.021034674	0.033851943
2	6	23		0.021034674	0.033851943
2	6	24		0.021034674	0.033851943
2	7	1		0.018932479	0.030468796
2	7	2		0.018932479	0.030468796
2	7	3		0.018932479	0.030468796
2	7	4		0.018932479	0.030468796
2	7	5		0.018932479	0.030468796
2	7	6		0.018932479	0.030468796
2	7	7		0.018932479	0.030468796
2	7	8		0.018932479	0.030468796
2	7	9		0.018932479	0.030468796
2	7	10		0.019057253	0.030669599
2	7	11		0.019214439	0.030922565
2	7	12		0.019394849	0.031212907
2	7	13		0.019528415	0.03142786
2	7	14		0.019652674	0.031627834
2	7	15		0.019722107	0.031739576
2	7	16		0.019693383	0.03169335
2	7	17		0.019680049	0.031671891
2	7	18		0.019633113	0.031596355
2	7	19		0.019480131	0.031350154
2	7	20		0.019264846	0.031003688
2	7	21		0.018967194	0.030524664
2	7	22		0.018932479	0.030468796
2	7	23		0.018932479	0.030468796
2	7	24		0.018932479	0.030468796
2	8	1		0.017115715	0.027545004
2	8	2		0.017115715	0.027545004
2	8	3		0.017115715	0.027545004
2	8	4		0.017115715	0.027545004
2	8	5		0.017115715	0.027545004
2	8	6		0.017115715	0.027545004
2	8	7		0.017115715	0.027545004
2	8	8		0.017115715	0.027545004
2	8	9		0.017115715	0.027545004
2	8	10		0.017229279	0.027727768
2	8	11		0.017372249	0.027957855
2	8	12		0.017536348	0.028221946
2	8	13		0.017657809	0.028417418
2	8	14		0.01777093	0.028599469
2	8	15		0.017834037	0.028701029
2	8	16		0.017807848	0.028658881
2	8	17		0.017795766	0.028639439
2	8	18		0.017753081	0.028570743
2	8	19		0.017613919	0.028346785
2	8	20		0.017418103	0.02803165
2	8	21		0.017147374	0.027595955
2	8	22		0.017115715	0.027545004

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)			
RoadTypeID	AverageSpeedID	HourID		G/VKT CAR	G/VMT CAR
2	5	24		4.426707989	7.124078234
2	6	1		3.989580821	6.420591998
2	6	2		3.989580821	6.420591998
2	6	3		3.989580821	6.420591998
2	6	4		3.989580821	6.420591998
2	6	5		3.989580821	6.420591998
2	6	6		3.989580821	6.420591998
2	6	7		3.989580821	6.420591998
2	6	8		3.989580821	6.420591998
2	6	9		3.989580821	6.420591998
2	6	10		4.08437774	6.573152472
2	6	11		4.27005078	6.871963522
2	6	12		4.483061293	7.214769861
2	6	13		4.640764829	7.46856847
2	6	14		4.787603084	7.704881148
2	6	15		4.869571682	7.836796491
2	6	16		4.835599129	7.782123102
2	6	17		4.819865835	7.756802882
2	6	18		4.764454441	7.66762711
2	6	19		4.58383857	7.376954764
2	6	20		4.329532091	6.967689175
2	6	21		3.989580821	6.420591998
2	6	22		3.989580821	6.420591998
2	6	23		3.989580821	6.420591998
2	6	24		3.989580821	6.420591998
2	7	1		3.688321782	5.935763776
2	7	2		3.688321782	5.935763776
2	7	3		3.688321782	5.935763776
2	7	4		3.688321782	5.935763776
2	7	5		3.688321782	5.935763776
2	7	6		3.688321782	5.935763776
2	7	7		3.688321782	5.935763776
2	7	8		3.688321782	5.935763776
2	7	9		3.688321782	5.935763776
2	7	10		3.774370032	6.074244667
2	7	11		3.945274255	6.34928767
2	7	12		4.141345486	6.664832945
2	7	13		4.286485391	6.898412399
2	7	14		4.421644737	7.115929741
2	7	15		4.497095128	7.237355073
2	7	16		4.465826436	7.187033116
2	7	17		4.451334583	7.163710798
2	7	18		4.400337778	7.0816396
2	7	19		4.234092634	6.814094639
2	7	20		4.000025693	6.437401349
2	7	21		3.688321782	5.935763776
2	7	22		3.688321782	5.935763776
2	7	23		3.688321782	5.935763776
2	7	24		3.688321782	5.935763776
2	8	1		3.441003896	5.53774521
2	8	2		3.441003896	5.53774521
2	8	3		3.441003896	5.53774521
2	8	4		3.441003896	5.53774521
2	8	5		3.441003896	5.53774521
2	8	6		3.441003896	5.53774521
2	8	7		3.441003896	5.53774521
2	8	8		3.441003896	5.53774521
2	8	9		3.441003896	5.53774521
2	8	10		3.520219345	5.6652298
2	8	11		3.678537669	5.920017812
2	8	12		3.860162549	6.212313996
2	8	13		3.994622678	6.428706061
2	8	14		4.119820925	6.630192608
2	8	15		4.189717965	6.74268071
2	8	16		4.160751564	6.696063922
2	8	17		4.147332158	6.674467535
2	8	18		4.100091364	6.598441035
2	8	19		3.946085065	6.350592539
2	8	20		3.729251022	6.00163284
2	8	21		3.441003896	5.53774521
2	8	22		3.441003896	5.53774521

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)			
RoadTypeID	AverageSpeedID	HourID		G/VKT CAR	G/VMT CAR
2	8	23		0.017115715	0.027545004
2	8	24		0.017115715	0.027545004
2	10	1		0.014638975	0.023559088
2	10	2		0.014638975	0.023559088
2	10	3		0.014638975	0.023559088
2	10	4		0.014638975	0.023559088
2	10	5		0.014638975	0.023559088
2	10	6		0.014638975	0.023559088
2	10	7		0.014638975	0.023559088
2	10	8		0.014638975	0.023559088
2	10	9		0.014638975	0.023559088
2	10	10		0.014737253	0.023717251
2	10	11		0.014861029	0.023916449
2	10	12		0.015002999	0.024144927
2	10	13		0.015108076	0.024314031
2	10	14		0.015206008	0.024471636
2	10	15		0.015260604	0.024559501
2	10	16		0.015238024	0.024523161
2	10	17		0.01522749	0.024506209
2	10	18		0.015190558	0.024446772
2	10	19		0.015070181	0.024253045
2	10	20		0.014900648	0.023980209
2	10	21		0.01466635	0.023603144
2	10	22		0.014638975	0.023559088
2	10	23		0.014638975	0.023559088
2	10	24		0.014638975	0.023559088
2	11	1		0.013810191	0.022225293
2	11	2		0.013810191	0.022225293
2	11	3		0.013810191	0.022225293
2	11	4		0.013810191	0.022225293
2	11	5		0.013810191	0.022225293
2	11	6		0.013810191	0.022225293
2	11	7		0.013810191	0.022225293
2	11	8		0.013810191	0.022225293
2	11	9		0.013810191	0.022225293
2	11	10		0.013903641	0.022375685
2	11	11		0.014021417	0.022565227
2	11	12		0.014156491	0.022782608
2	11	13		0.01425657	0.022943669
2	11	14		0.014349688	0.023093527
2	11	15		0.014401706	0.023177242
2	11	16		0.014380138	0.023142532
2	11	17		0.014370163	0.023126478
2	11	18		0.014335038	0.02306995
2	11	19		0.014220444	0.022885529
2	11	20		0.014059132	0.022625924
2	11	21		0.013836246	0.022267224
2	11	22		0.013810191	0.022225293
2	11	23		0.013810191	0.022225293
2	11	24		0.013810191	0.022225293

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)			
RoadTypeID	AverageSpeedID	HourID		G/VKT CAR	G/VMT CAR
2	8	23		3.441003896	5.53774521
2	8	24		3.441003896	5.53774521
2	10	1		3.10569857	4.998124936
2	10	2		3.10569857	4.998124936
2	10	3		3.10569857	4.998124936
2	10	4		3.10569857	4.998124936
2	10	5		3.10569857	4.998124936
2	10	6		3.10569857	4.998124936
2	10	7		3.10569857	4.998124936
2	10	8		3.10569857	4.998124936
2	10	9		3.10569857	4.998124936
2	10	10		3.175690777	5.110766195
2	10	11		3.316878312	5.337984942
2	10	12		3.478852053	5.598655763
2	10	13		3.598762854	5.791633011
2	10	14		3.710414457	5.971318402
2	10	15		3.772749952	6.071637408
2	10	16		3.746914247	6.030058974
2	10	17		3.734942761	6.010792782
2	10	18		3.692815839	5.942996242
2	10	19		3.555473901	5.721966368
2	10	20		3.362107149	5.410773519
2	10	21		3.106245059	4.999004423
2	10	22		3.10569857	4.998124936
2	10	23		3.10569857	4.998124936
2	10	24		3.10569857	4.998124936
2	11	1		3.012078144	4.84745784
2	11	2		3.012078144	4.84745784
2	11	3		3.012078144	4.84745784
2	11	4		3.012078144	4.84745784
2	11	5		3.012078144	4.84745784
2	11	6		3.012078144	4.84745784
2	11	7		3.012078144	4.84745784
2	11	8		3.012078144	4.84745784
2	11	9		3.012078144	4.84745784
2	11	10		3.080423119	4.957448142
2	11	11		3.217295095	5.177721689
2	11	12		3.374315682	5.430421199
2	11	13		3.490558217	5.617494961
2	11	14		3.598798715	5.791690723
2	11	15		3.659225653	5.888938213
2	11	16		3.634177874	5.848627821
2	11	17		3.622576244	5.829956852
2	11	18		3.581744759	5.76424511
2	11	19		3.448595572	5.549962798
2	11	20		3.261141777	5.248285907
2	11	21		3.012928665	4.848826618
2	11	22		3.012078144	4.84745784
2	11	23		3.012078144	4.84745784
2	11	24		3.012078144	4.84745784

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	13	1	0.012610011	0.020293795
2	13	2	0.012610011	0.020293795
2	13	3	0.012610011	0.020293795
2	13	4	0.012610011	0.020293795
2	13	5	0.012610011	0.020293795
2	13	6	0.012610011	0.020293795
2	13	7	0.012610011	0.020293795
2	13	8	0.012610011	0.020293795
2	13	9	0.012610011	0.020293795
2	13	10	0.012696663	0.020433247
2	13	11	0.012805821	0.02060892
2	13	12	0.012931085	0.020810513
2	13	13	0.013023806	0.020959733
2	13	14	0.013110157	0.021098699
2	13	15	0.013158372	0.021176294
2	13	16	0.013138377	0.021144116
2	13	17	0.013129117	0.021129212
2	13	18	0.013096532	0.021076773
2	13	19	0.012990361	0.020905908
2	13	20	0.012840832	0.020665264
2	13	21	0.012634192	0.02033271
2	13	22	0.012610011	0.020293795
2	13	23	0.012610011	0.020293795
2	13	24	0.012610011	0.020293795
3	1	1	0.106757699	0.171809435
3	1	2	0.106757699	0.171809435
3	1	3	0.106757699	0.171809435
3	1	4	0.106757699	0.171809435
3	1	5	0.106757699	0.171809435
3	1	6	0.106757699	0.171809435
3	1	7	0.106757699	0.171809435
3	1	8	0.106757699	0.171809435
3	1	9	0.106757699	0.171809435
3	1	10	0.107306758	0.172693057
3	1	11	0.107998418	0.173806174
3	1	12	0.108791943	0.175083226
3	1	13	0.109379829	0.176029333
3	1	14	0.109927116	0.176910104
3	1	15	0.110232039	0.17740083
3	1	16	0.110105538	0.177197246
3	1	17	0.110046941	0.177102943
3	1	18	0.109840657	0.176770963
3	1	19	0.109167716	0.175687972
3	1	20	0.108219993	0.174162763
3	1	21	0.106910521	0.172055377
3	1	22	0.106757699	0.171809435
3	1	23	0.106757699	0.171809435
3	1	24	0.106757699	0.171809435
3	7	1	0.021029847	0.033844174
3	7	2	0.021029847	0.033844174
3	7	3	0.021029847	0.033844174
3	7	4	0.021029847	0.033844174
3	7	5	0.021029847	0.033844174
3	7	6	0.021029847	0.033844174
3	7	7	0.021029847	0.033844174
3	7	8	0.021029847	0.033844174
3	7	9	0.021029847	0.033844174
3	7	10	0.021165953	0.034063215
3	7	11	0.021337417	0.034339159
3	7	12	0.021534228	0.034655895
3	7	13	0.021679888	0.034890311
3	7	14	0.021815469	0.035108507
3	7	15	0.021891217	0.035230411
3	7	16	0.021859836	0.035179909
3	7	17	0.021845304	0.035156521
3	7	18	0.021794167	0.035074224
3	7	19	0.021627306	0.034805689
3	7	20	0.021392407	0.034427656
3	7	21	0.0210678	0.033905254
3	7	22	0.021029847	0.033844174
3	7	23	0.021029847	0.033844174
3	7	24	0.021029847	0.033844174

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	13	1	2.906040889	4.676807844
2	13	2	2.906040889	4.676807844
2	13	3	2.906040889	4.676807844
2	13	4	2.906040889	4.676807844
2	13	5	2.906040889	4.676807844
2	13	6	2.906040889	4.676807844
2	13	7	2.906040889	4.676807844
2	13	8	2.906040889	4.676807844
2	13	9	2.906040889	4.676807844
2	13	10	2.97319256	4.784877714
2	13	11	3.105392049	4.99763164
2	13	12	3.257053078	5.2417058
2	13	13	3.369330871	5.422398943
2	13	14	3.47387643	5.590648294
2	13	15	3.532239376	5.684574117
2	13	16	3.50804869	5.645643079
2	13	17	3.496843084	5.627609449
2	13	18	3.457398717	5.564130052
2	13	19	3.328798212	5.357168115
2	13	20	3.147745134	5.065792154
2	13	21	2.907460991	4.679093271
2	13	22	2.906040889	4.676807844
2	13	23	2.906040889	4.676807844
2	13	24	2.906040889	4.676807844
3	1	1	16.275341	26.19255729
3	1	2	16.275341	26.19255729
3	1	3	16.275341	26.19255729
3	1	4	16.275341	26.19255729
3	1	5	16.275341	26.19255729
3	1	6	16.275341	26.19255729
3	1	7	16.275341	26.19255729
3	1	8	16.275341	26.19255729
3	1	9	16.275341	26.19255729
3	1	10	16.63573659	26.77255633
3	1	11	17.29283149	27.83004542
3	1	12	18.04675733	29.04336844
3	1	13	18.60473515	29.94134447
3	1	14	19.1244223	30.77769778
3	1	15	19.41453493	31.24458765
3	1	16	19.29428674	31.05106743
3	1	17	19.2386439	30.96151917
3	1	18	19.04251761	30.6458853
3	1	19	18.40328989	29.61715056
3	1	20	17.50333554	28.16881802
3	1	21	16.275341	26.19255729
3	1	22	16.275341	26.19255729
3	1	23	16.275341	26.19255729
3	1	24	16.275341	26.19255729
3	7	1	4.165334372	6.703439219
3	7	2	4.165334372	6.703439219
3	7	3	4.165334372	6.703439219
3	7	4	4.165334372	6.703439219
3	7	5	4.165334372	6.703439219
3	7	6	4.165334372	6.703439219
3	7	7	4.165334372	6.703439219
3	7	8	4.165334372	6.703439219
3	7	9	4.165334372	6.703439219
3	7	10	4.257750566	6.852168296
3	7	11	4.451067113	7.163280348
3	7	12	4.672840081	7.520188456
3	7	13	4.837027306	7.784421524
3	7	14	4.989908117	8.030458729
3	7	15	5.075255638	8.167811909
3	7	16	5.039878915	8.110878733
3	7	17	5.023492813	8.084507923
3	7	18	4.965813699	7.991682619
3	7	19	4.777755886	7.689033657
3	7	20	4.51299125	7.262937338
3	7	21	4.165334372	6.703439219
3	7	22	4.165334372	6.703439219
3	7	23	4.165334372	6.703439219
3	7	24	4.165334372	6.703439219

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)			
RoadTypeID	AverageSpeedID	HourID		G/VKT CAR	G/VMT CAR
3	8	1		0.018580996	0.02990314
3	8	2		0.018580996	0.02990314
3	8	3		0.018580996	0.02990314
3	8	4		0.018580996	0.02990314
3	8	5		0.018580996	0.02990314
3	8	6		0.018580996	0.02990314
3	8	7		0.018580996	0.02990314
3	8	8		0.018580996	0.02990314
3	8	9		0.018580996	0.02990314
3	8	10		0.018702641	0.030098908
3	8	11		0.018855938	0.030345615
3	8	12		0.019031876	0.030628759
3	8	13		0.019162095	0.030838326
3	8	14		0.019283311	0.031033403
3	8	15		0.019351057	0.03114243
3	8	16		0.019322995	0.031097269
3	8	17		0.019309971	0.031076309
3	8	18		0.019264205	0.031002656
3	8	19		0.019115077	0.030762659
3	8	20		0.018905113	0.030424754
3	8	21		0.018614893	0.029957692
3	8	22		0.018580996	0.02990314
3	8	23		0.018580996	0.02990314
3	8	24		0.018580996	0.02990314
3	10	1		0.015207391	0.024473862
3	10	2		0.015207391	0.024473862
3	10	3		0.015207391	0.024473862
3	10	4		0.015207391	0.024473862
3	10	5		0.015207391	0.024473862
3	10	6		0.015207391	0.024473862
3	10	7		0.015207391	0.024473862
3	10	8		0.015207391	0.024473862
3	10	9		0.015207391	0.024473862
3	10	10		0.015308324	0.024636299
3	10	11		0.0154354	0.024840807
3	10	12		0.015581209	0.025075463
3	10	13		0.015689172	0.025249212
3	10	14		0.015789726	0.025411037
3	10	15		0.015845799	0.025501278
3	10	16		0.015822536	0.025463839
3	10	17		0.015811809	0.025446577
3	10	18		0.015773852	0.025385492
3	10	19		0.015650214	0.025186515
3	10	20		0.015476126	0.024906348
3	10	21		0.015235521	0.024519134
3	10	22		0.015207391	0.024473862
3	10	23		0.015207391	0.024473862
3	10	24		0.015207391	0.024473862
3	11	1		0.014082001	0.022662728
3	11	2		0.014082001	0.022662728
3	11	3		0.014082001	0.022662728
3	11	4		0.014082001	0.022662728
3	11	5		0.014082001	0.022662728
3	11	6		0.014082001	0.022662728
3	11	7		0.014082001	0.022662728
3	11	8		0.014082001	0.022662728
3	11	9		0.014082001	0.022662728
3	11	10		0.014176079	0.022814132
3	11	11		0.01429458	0.02300484
3	11	12		0.014430498	0.023223578
3	11	13		0.014531196	0.023385635
3	11	14		0.014624947	0.023536512
3	11	15		0.014677248	0.023620683
3	11	16		0.014655556	0.023585772
3	11	17		0.014645552	0.023569672
3	11	18		0.014610192	0.023512766
3	11	19		0.014494873	0.023327179
3	11	20		0.014332564	0.023065968
3	11	21		0.014108214	0.022704913
3	11	22		0.014082001	0.022662728
3	11	23		0.014082001	0.022662728
3	11	24		0.014082001	0.022662728

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)			
RoadTypeID	AverageSpeedID	HourID		G/VKT CAR	G/VMT CAR
3	8	1		3.783238736	6.088517428
3	8	2		3.783238736	6.088517428
3	8	3		3.783238736	6.088517428
3	8	4		3.783238736	6.088517428
3	8	5		3.783238736	6.088517428
3	8	6		3.783238736	6.088517428
3	8	7		3.783238736	6.088517428
3	8	8		3.783238736	6.088517428
3	8	9		3.783238736	6.088517428
3	8	10		3.866925399	6.223197722
3	8	11		4.041594163	6.50429915
3	8	12		4.241988741	6.82680216
3	8	13		4.39032905	7.065532153
3	8	14		4.52846715	7.287843324
3	8	15		4.605584379	7.411951165
3	8	16		4.573624107	7.360516221
3	8	17		4.558813922	7.336681597
3	8	18		4.506699021	7.252811003
3	8	19		4.336777325	6.97934922
3	8	20		4.09754977	6.594350746
3	8	21		3.783238736	6.088517428
3	8	22		3.783238736	6.088517428
3	8	23		3.783238736	6.088517428
3	8	24		3.783238736	6.088517428
3	10	1		3.200237386	5.150270035
3	10	2		3.200237386	5.150270035
3	10	3		3.200237386	5.150270035
3	10	4		3.200237386	5.150270035
3	10	5		3.200237386	5.150270035
3	10	6		3.200237386	5.150270035
3	10	7		3.200237386	5.150270035
3	10	8		3.200237386	5.150270035
3	10	9		3.200237386	5.150270035
3	10	10		3.269532937	5.261790136
3	10	11		3.414665333	5.495357507
3	10	12		3.58117104	5.763321801
3	10	13		3.704432338	5.961691138
3	10	14		3.819210664	6.14640849
3	10	15		3.883278205	6.249514946
3	10	16		3.856721127	6.206775578
3	10	17		3.844421902	6.186981943
3	10	18		3.801117796	6.117290915
3	10	19		3.65993546	5.890080533
3	10	20		3.461157926	5.570179897
3	10	21		3.200237386	5.150270035
3	10	22		3.200237386	5.150270035
3	10	23		3.200237386	5.150270035
3	10	24		3.200237386	5.150270035
3	11	1		3.034824693	4.884064771
3	11	2		3.034824693	4.884064771
3	11	3		3.034824693	4.884064771
3	11	4		3.034824693	4.884064771
3	11	5		3.034824693	4.884064771
3	11	6		3.034824693	4.884064771
3	11	7		3.034824693	4.884064771
3	11	8		3.034824693	4.884064771
3	11	9		3.034824693	4.884064771
3	11	10		3.100419848	4.989629678
3	11	11		3.237309547	5.209931747
3	11	12		3.394359106	5.462677883
3	11	13		3.510622528	5.649785259
3	11	14		3.618879972	5.824008295
3	11	15		3.679313312	5.921266085
3	11	16		3.654267652	5.880959103
3	11	17		3.642659166	5.862277102
3	11	18		3.601817182	5.796548464
3	11	19		3.468646969	5.582232313
3	11	20		3.28116436	5.280509051
3	11	21		3.035224938	4.884708902
3	11	22		3.034824693	4.884064771
3	11	23		3.034824693	4.884064771
3	11	24		3.034824693	4.884064771

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)			
				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID		CAR	CAR
5	6	1		0.024002739	0.038628568
5	6	2		0.024002739	0.038628568
5	6	3		0.024002739	0.038628568
5	6	4		0.024002739	0.038628568
5	6	5		0.024002739	0.038628568
5	6	6		0.024002739	0.038628568
5	6	7		0.024002739	0.038628568
5	6	8		0.024002739	0.038628568
5	6	9		0.024002739	0.038628568
5	6	10		0.024153387	0.038871012
5	6	11		0.024343132	0.039176376
5	6	12		0.024560825	0.039526719
5	6	13		0.024722044	0.039786174
5	6	14		0.024872081	0.040027635
5	6	15		0.024955888	0.040162508
5	6	16		0.024921121	0.040106556
5	6	17		0.024905109	0.040080789
5	6	18		0.024848413	0.039989546
5	6	19		0.02466386	0.039692536
5	6	20		0.02440396	0.039274269
5	6	21		0.024044719	0.038696128
5	6	22		0.024002739	0.038628568
5	6	23		0.024002739	0.038628568
5	6	24		0.024002739	0.038628568
5	8	1		0.018453715	0.029698302
5	8	2		0.018453715	0.029698302
5	8	3		0.018453715	0.029698302
5	8	4		0.018453715	0.029698302
5	8	5		0.018453715	0.029698302
5	8	6		0.018453715	0.029698302
5	8	7		0.018453715	0.029698302
5	8	8		0.018453715	0.029698302
5	8	9		0.018453715	0.029698302
5	8	10		0.018575929	0.029894985
5	8	11		0.018729911	0.030142796
5	8	12		0.018906515	0.030427011
5	8	13		0.019037261	0.030637425
5	8	14		0.019159036	0.030833403
5	8	15		0.019226951	0.030942702
5	8	16		0.019198866	0.030897502
5	8	17		0.019185793	0.030876464
5	8	18		0.019139824	0.030802485
5	8	19		0.01899006	0.030561463
5	8	20		0.018779226	0.03022216
5	8	21		0.018487747	0.029753071
5	8	22		0.018453715	0.029698302
5	8	23		0.018453715	0.029698302
5	8	24		0.018453715	0.029698302

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)			
				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID		CAR	CAR
5	6	1		4.465755409	7.18691881
5	6	2		4.465755409	7.18691881
5	6	3		4.465755409	7.18691881
5	6	4		4.465755409	7.18691881
5	6	5		4.465755409	7.18691881
5	6	6		4.465755409	7.18691881
5	6	7		4.465755409	7.18691881
5	6	8		4.465755409	7.18691881
5	6	9		4.465755409	7.18691881
5	6	10		4.561746137	7.341400527
5	6	11		4.766146328	7.670349932
5	6	12		5.000647848	8.047742608
5	6	13		5.174246289	8.327121523
5	6	14		5.335892606	8.587265407
5	6	15		5.426131158	8.732489917
5	6	16		5.38873625	8.672308797
5	6	17		5.371412598	8.64442915
5	6	18		5.310412799	8.546259734
5	6	19		5.111577141	8.226265556
5	6	20		4.831633341	7.775740802
5	6	21		4.465755409	7.18691881
5	6	22		4.465755409	7.18691881
5	6	23		4.465755409	7.18691881
5	6	24		4.465755409	7.18691881
5	8	1		3.76647644	6.061541194
5	8	2		3.76647644	6.061541194
5	8	3		3.76647644	6.061541194
5	8	4		3.76647644	6.061541194
5	8	5		3.76647644	6.061541194
5	8	6		3.76647644	6.061541194
5	8	7		3.76647644	6.061541194
5	8	8		3.76647644	6.061541194
5	8	9		3.76647644	6.061541194
5	8	10		3.851356562	6.19814217
5	8	11		4.026018077	6.479231932
5	8	12		4.226402945	6.801719315
5	8	13		4.374751862	7.040463162
5	8	14		4.51287451	7.262749463
5	8	15		4.589991237	7.386856497
5	8	16		4.558031474	7.335422373
5	8	17		4.543223186	7.311590802
5	8	18		4.491107343	7.227718692
5	8	19		4.321197261	6.954275601
5	8	20		4.08197556	6.569286548
5	8	21		3.76647644	6.061541194
5	8	22		3.76647644	6.061541194
5	8	23		3.76647644	6.061541194
5	8	24		3.76647644	6.061541194

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)		
			G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	11	1	0.013992968	0.022519443
5	11	2	0.013992968	0.022519443
5	11	3	0.013992968	0.022519443
5	11	4	0.013992968	0.022519443
5	11	5	0.013992968	0.022519443
5	11	6	0.013992968	0.022519443
5	11	7	0.013992968	0.022519443
5	11	8	0.013992968	0.022519443
5	11	9	0.013992968	0.022519443
5	11	10	0.01408868	0.022673476
5	11	11	0.014209354	0.022867682
5	11	12	0.014347749	0.023090407
5	11	13	0.014450186	0.023255263
5	11	14	0.01454561	0.023408831
5	11	15	0.014598836	0.023494491
5	11	16	0.014576772	0.023458983
5	11	17	0.01456658	0.02344258
5	11	18	0.01453056	0.023384612
5	11	19	0.014413203	0.023195745
5	11	20	0.014247993	0.022929865
5	11	21	0.014019692	0.022562451
5	11	22	0.013992968	0.022519443
5	11	23	0.013992968	0.022519443
5	11	24	0.013992968	0.022519443
5	7	1	0.021029847	0.033844174
5	7	2	0.021029847	0.033844174
5	7	3	0.021029847	0.033844174
5	7	4	0.021029847	0.033844174
5	7	5	0.021029847	0.033844174
5	7	6	0.021029847	0.033844174
5	7	7	0.021029847	0.033844174
5	7	8	0.021029847	0.033844174
5	7	9	0.021029847	0.033844174
5	7	10	0.021165953	0.034063215
5	7	11	0.021337417	0.034339159
5	7	12	0.021534228	0.034655895
5	7	13	0.021679888	0.034890311
5	7	14	0.021815469	0.035108507
5	7	15	0.021891217	0.035230411
5	7	16	0.021859836	0.035179909
5	7	17	0.021845304	0.035156521
5	7	18	0.021794167	0.035074224
5	7	19	0.021627306	0.034805689
5	7	20	0.021392407	0.034427656
5	7	21	0.0210678	0.033905254
5	7	22	0.021029847	0.033844174
5	7	23	0.021029847	0.033844174
5	7	24	0.021029847	0.033844174

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)		
			G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	11	1	3.075291748	4.949190022
5	11	2	3.075291748	4.949190022
5	11	3	3.075291748	4.949190022
5	11	4	3.075291748	4.949190022
5	11	5	3.075291748	4.949190022
5	11	6	3.075291748	4.949190022
5	11	7	3.075291748	4.949190022
5	11	8	3.075291748	4.949190022
5	11	9	3.075291748	4.949190022
5	11	10	3.145353932	5.061943897
5	11	11	3.285971197	5.288244887
5	11	12	3.44728933	5.54786061
5	11	13	3.566719549	5.740064439
5	11	14	3.677915379	5.919016335
5	11	15	3.740004002	6.018938041
5	11	16	3.714270648	5.977524324
5	11	17	3.702346197	5.958333829
5	11	18	3.66039237	5.890815857
5	11	19	3.523602775	5.67067489
5	11	20	3.331017709	5.36074004
5	11	21	3.076103785	4.950496865
5	11	22	3.075291748	4.949190022
5	11	23	3.075291748	4.949190022
5	11	24	3.075291748	4.949190022
5	7	1	4.165334372	6.703439219
5	7	2	4.165334372	6.703439219
5	7	3	4.165334372	6.703439219
5	7	4	4.165334372	6.703439219
5	7	5	4.165334372	6.703439219
5	7	6	4.165334372	6.703439219
5	7	7	4.165334372	6.703439219
5	7	8	4.165334372	6.703439219
5	7	9	4.165334372	6.703439219
5	7	10	4.257750566	6.852168296
5	7	11	4.451067113	7.163280348
5	7	12	4.672840081	7.520188456
5	7	13	4.837027306	7.784421524
5	7	14	4.989908117	8.030458729
5	7	15	5.075255638	8.167811909
5	7	16	5.039878915	8.110878733
5	7	17	5.023492813	8.084507923
5	7	18	4.965813699	7.991682619
5	7	19	4.777755886	7.689033657
5	7	20	4.51299125	7.262937338
5	7	21	4.165334372	6.703439219
5	7	22	4.165334372	6.703439219
5	7	23	4.165334372	6.703439219
5	7	24	4.165334372	6.703439219

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
1	0	1	8.475429936	13.63984841	1	0	1	0.023013489	0.037036528
1	0	2	8.475710576	13.64030006	1	0	2	0.023013489	0.037036528
1	0	3	8.477721923	13.643537	1	0	3	0.023013489	0.037036528
1	0	4	8.477203095	13.64270203	1	0	4	0.023013489	0.037036528
1	0	5	8.479558664	13.64649294	1	0	5	0.023013489	0.037036528
1	0	6	8.487874322	13.65987566	1	0	6	0.023013489	0.037036528
1	0	7	8.489880676	13.66310457	1	0	7	0.023013489	0.037036528
1	0	8	8.491028975	13.66495257	1	0	8	0.023013489	0.037036528
1	0	9	8.494242214	13.67012376	1	0	9	0.023013489	0.037036528
1	0	10	8.683929664	13.97539537	1	0	10	0.023078624	0.037141353
1	0	11	10.45556022	16.82655129	1	0	11	0.023160731	0.037273491
1	0	12	12.48991763	20.10052404	1	0	12	0.023254888	0.037425021
1	0	13	14.03633015	22.58922756	1	0	13	0.023324612	0.037537232
1	0	14	15.40293178	24.78855423	1	0	14	0.023389548	0.037641736
1	0	15	16.23211708	26.1229953	1	0	15	0.023425779	0.037700043
1	0	16	15.93902147	25.65130481	1	0	16	0.02341073	0.037675824
1	0	17	15.75765401	25.3594229	1	0	17	0.023403777	0.037664635
1	0	18	15.21456398	24.48540639	1	0	18	0.023379275	0.037625203
1	0	19	13.44942465	21.64469707	1	0	19	0.023299433	0.03749671
1	0	20	11.00712749	17.71421055	1	0	20	0.023187024	0.037315805
1	0	21	8.480935163	13.6487082	1	0	21	0.023031658	0.037065769
1	0	22	8.485635543	13.65627271	1	0	22	0.023013489	0.037036528
1	0	23	8.480188518	13.64750659	1	0	23	0.023013489	0.037036528
1	0	24	8.482994341	13.65202211	1	0	24	0.023013489	0.037036528
2	1	1	4.519649348	7.273652482	2	1	1	0.022485008	0.036186023
2	1	2	4.519791936	7.273881954	2	1	2	0.022485007	0.036186021
2	1	3	4.520830143	7.275552782	2	1	3	0.022484653	0.036185451
2	1	4	4.520547867	7.275098505	2	1	4	0.022484282	0.036184854
2	1	5	4.521767503	7.277061314	2	1	5	0.022486973	0.036189185
2	1	6	4.525998801	7.283870911	2	1	6	0.022487317	0.036189739
2	1	7	4.52704229	7.28555024	2	1	7	0.022484908	0.036185862
2	1	8	4.527614891	7.286471749	2	1	8	0.022485082	0.036186143
2	1	9	4.529265443	7.289128048	2	1	9	0.022490041	0.036194123
2	1	10	4.527579316	7.286414497	2	1	10	0.022586699	0.036349678
2	1	11	4.602609413	7.407163432	2	1	11	0.022706352	0.03654224
2	1	12	5.052390474	8.131014086	2	1	12	0.022845436	0.036766074
2	1	13	5.400411635	8.691098461	2	1	13	0.022953049	0.03693926
2	1	14	5.701396	9.175484639	2	1	14	0.023058798	0.037109446
2	1	15	5.894339117	9.485995714	2	1	15	0.023117841	0.037204466
2	1	16	5.833277241	9.387726395	2	1	16	0.02309906	0.037174241
2	1	17	5.788029863	9.31490798	2	1	17	0.023090183	0.037159955
2	1	18	5.66412744	9.115506854	2	1	18	0.023051834	0.037098238
2	1	19	5.263965783	8.471510694	2	1	19	0.022926828	0.036897061
2	1	20	4.721290187	7.59816115	2	1	20	0.022758387	0.036625983
2	1	21	4.522481579	7.278210504	2	1	21	0.022529746	0.036258021
2	1	22	4.524888675	7.28208434	2	1	22	0.022493	0.036198884
2	1	23	4.522089523	7.277579552	2	1	23	0.022489048	0.036192524
2	1	24	4.52348859	7.279831128	2	1	24	0.022486558	0.036188518
2	5	1	1.076163013	1.731912183	2	5	1	0.004663779	0.007505606
2	5	2	1.076192192	1.731959142	2	5	2	0.00466378	0.007505607
2	5	3	1.076415601	1.732318683	2	5	3	0.004663732	0.007505531
2	5	4	1.076356473	1.732223526	2	5	4	0.004663685	0.007505455
2	5	5	1.076627176	1.73265918	2	5	5	0.004664028	0.007506006
2	5	6	1.077550106	1.734144487	2	5	6	0.004664069	0.007506073
2	5	7	1.077774014	1.734504832	2	5	7	0.004663772	0.007505594
2	5	8	1.077902949	1.734712332	2	5	8	0.004663793	0.007505629
2	5	9	1.07826146	1.735289298	2	5	9	0.004664406	0.007506616
2	5	10	1.0778915	1.734693907	2	5	10	0.004689675	0.007547281
2	5	11	1.077285569	1.733718758	2	5	11	0.004721247	0.007598092
2	5	12	1.076762278	1.732876604	2	5	12	0.004757699	0.007656755
2	5	13	1.076474344	1.732413221	2	5	13	0.00478526	0.007701111
2	5	14	1.076168295	1.731920684	2	5	14	0.004811616	0.007743526
2	5	15	1.075351788	1.730606646	2	5	15	0.004826325	0.007767198
2	5	16	1.075387518	1.730664149	2	5	16	0.004820942	0.007758535
2	5	17	1.075469274	1.730795722	2	5	17	0.004818428	0.007754488
2	5	18	1.07615068	1.731892335	2	5	18	0.004808673	0.007738789
2	5	19	1.076480511	1.732423145	2	5	19	0.00477689	0.00768764
2	5	20	1.076486293	1.73243245	2	5	20	0.004733071	0.00761712
2	5	21	1.076774611	1.732896453	2	5	21	0.004673041	0.007520512
2	5	22	1.077303684	1.733747911	2	5	22	0.004664781	0.007507219
2	5	23	1.076691587	1.732762838	2	5	23	0.004664285	0.00750642

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
2	5	24	1.077003417	1.733264679	2	5	24	0.004663973	0.007505918
2	6	1	0.943280985	1.51805982	2	6	1	0.003995163	0.006429576
2	6	2	0.943304382	1.518097474	2	6	2	0.003995158	0.006429567
2	6	3	0.943499382	1.518411295	2	6	3	0.003995125	0.006429514
2	6	4	0.94344642	1.518326062	2	6	4	0.003995087	0.006429453
2	6	5	0.943672367	1.518689688	2	6	5	0.003995361	0.006429894
2	6	6	0.944468712	1.519971277	2	6	6	0.003995395	0.006429949
2	6	7	0.944658429	1.520276596	2	6	7	0.003995152	0.006429558
2	6	8	0.944770519	1.520456986	2	6	8	0.003995169	0.006429585
2	6	9	0.94507271	1.520943315	2	6	9	0.003995664	0.006430382
2	6	10	0.944759454	1.52043918	2	6	10	0.00401753	0.006465571
2	6	11	0.944238866	1.519601377	2	6	11	0.004044872	0.006509575
2	6	12	0.943789739	1.518878579	2	6	12	0.004076418	0.006560342
2	6	13	0.943547061	1.518488026	2	6	13	0.004100226	0.006598658
2	6	14	0.943286766	1.518069125	2	6	14	0.004122962	0.006635247
2	6	15	0.942589179	1.516946469	2	6	15	0.00413565	0.006655666
2	6	16	0.942619242	1.516994852	2	6	16	0.004130961	0.006648121
2	6	17	0.942684537	1.517099933	2	6	17	0.00412877	0.006644595
2	6	18	0.943263868	1.518032274	2	6	18	0.004120348	0.006631041
2	6	19	0.943552842	1.518497331	2	6	19	0.004092897	0.006586863
2	6	20	0.94355851	1.518506452	2	6	20	0.004055	0.006525873
2	6	21	0.943807355	1.518906928	2	6	21	0.004003035	0.006442245
2	6	22	0.944256482	1.519629726	2	6	22	0.003995957	0.006430854
2	6	23	0.943730611	1.518783422	2	6	23	0.003995565	0.006430222
2	6	24	0.943996188	1.519210825	2	6	24	0.003995314	0.006429819
2	7	1	0.865395425	1.392715473	2	7	1	0.003562621	0.005733468
2	7	2	0.865418822	1.384670115	2	7	2	0.003562619	0.005733466
2	7	3	0.865591194	1.38494591	2	7	3	0.003562583	0.005733408
2	7	4	0.865548797	1.384878076	2	7	4	0.003562555	0.005733363
2	7	5	0.865751617	1.385202588	2	7	5	0.003562785	0.005733732
2	7	6	0.866464003	1.386342405	2	7	6	0.003562804	0.005733763
2	7	7	0.866636375	1.3866182	2	7	7	0.003562611	0.005733452
2	7	8	0.866736901	1.386779041	2	7	8	0.003562629	0.005733481
2	7	9	0.867010682	1.387217092	2	7	9	0.003563034	0.005734133
2	7	10	0.866730734	1.386769174	2	7	10	0.003582528	0.005765506
2	7	11	0.866262067	1.386019307	2	7	11	0.003606914	0.005804751
2	7	12	0.86585831	1.385373296	2	7	12	0.00363505	0.005850031
2	7	13	0.865638758	1.385022013	2	7	13	0.003656255	0.005884158
2	7	14	0.865400707	1.384641131	2	7	14	0.003676472	0.005916694
2	7	15	0.864771617	1.383634586	2	7	15	0.003687749	0.005934843
2	7	16	0.864806463	1.383690341	2	7	16	0.003683549	0.005928083
2	7	17	0.864865976	1.383785561	2	7	17	0.003681591	0.005924931
2	7	18	0.865383091	1.384612946	2	7	18	0.003674095	0.005912869
2	7	19	0.865644041	1.385030465	2	7	19	0.003649653	0.005873532
2	7	20	0.86564454	1.385031264	2	7	20	0.003615869	0.005819163
2	7	21	0.865869759	1.385391614	2	7	21	0.003569531	0.005744589
2	7	22	0.866274015	1.386038425	2	7	22	0.003563283	0.005734534
2	7	23	0.865804964	1.385287942	2	7	23	0.003562956	0.005734007
2	7	24	0.866042131	1.385667409	2	7	24	0.003562746	0.005733669
2	8	1	0.82330055	1.324970507	2	8	1	0.003219646	0.005181506
2	8	2	0.823318665	1.32499966	2	8	2	0.003219643	0.005181501
2	8	3	0.82348514	1.325267576	2	8	3	0.003219615	0.005181456
2	8	4	0.823437961	1.325191648	2	8	4	0.003219595	0.005181423
2	8	5	0.823628718	1.325498641	2	8	5	0.003219786	0.00518173
2	8	6	0.824291606	1.326565453	2	8	6	0.003219808	0.005181766
2	8	7	0.824452414	1.326824248	2	8	7	0.003219644	0.005181502
2	8	8	0.824542261	1.326968842	2	8	8	0.003219648	0.005181509
2	8	9	0.824804365	1.327390656	2	8	9	0.003220003	0.005182079
2	8	10	0.824536094	1.326958918	2	8	10	0.003237663	0.005210501
2	8	11	0.824100464	1.32625784	2	8	11	0.003259766	0.005246073
2	8	12	0.823730014	1.32566166	2	8	12	0.003285263	0.005287105
2	8	13	0.82352214	1.325327121	2	8	13	0.003304454	0.00531799
2	8	14	0.823305832	1.324979008	2	8	14	0.003322732	0.005347405
2	8	15	0.822721342	1.324038365	2	8	15	0.003332938	0.00536383
2	8	16	0.822751291	1.324086562	2	8	16	0.003329105	0.005357662
2	8	17	0.822805022	1.324173034	2	8	17	0.003327327	0.005354801
2	8	18	0.823288716	1.324951462	2	8	18	0.003320538	0.005343874
2	8	19	0.823527423	1.325335622	2	8	19	0.003298428	0.005308292
2	8	20	0.823533204	1.325344927	2	8	20	0.003267827	0.005259045
2	8	21	0.823741463	1.325680085	2	8	21	0.003225837	0.005191468
2	8	22	0.824118079	1.32628619	2	8	22	0.003220216	0.005182422

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
2	8	23	0.82368195	1.325584309	2	8	23	0.003219933	0.005181967
2	8	24	0.823903155	1.325940304	2	8	24	0.003219757	0.005181684
2	10	1	0.769511808	1.231218892	2	10	1	0.002756467	0.004436093
2	10	2	0.769529373	1.231246997	2	10	2	0.002756469	0.004436096
2	10	3	0.769674205	1.231478729	2	10	3	0.002756448	0.004436062
2	10	4	0.76963814	1.231421024	2	10	4	0.002756428	0.00443603
2	10	5	0.769812172	1.231699475	2	10	5	0.002756582	0.004436277
2	10	6	0.770407882	1.23265261	2	10	6	0.002756603	0.004436311
2	10	7	0.770552029	1.232883246	2	10	7	0.00275647	0.004436097
2	10	8	0.770636279	1.233018046	2	10	8	0.002756481	0.004436115
2	10	9	0.770865361	1.233384577	2	10	9	0.002756749	0.004436547
2	10	10	0.770630312	1.233008499	2	10	10	0.002771943	0.004460999
2	10	11	0.7702338	1.23237408	2	10	11	0.002790976	0.00449163
2	10	12	0.769897021	1.231835233	2	10	12	0.002812902	0.004526916
2	10	13	0.769710406	1.23153665	2	10	13	0.00282939	0.004553451
2	10	14	0.769511808	1.231218892	2	10	14	0.002845058	0.004578665
2	10	15	0.768988713	1.230381942	2	10	15	0.002853806	0.004592745
2	10	16	0.769012546	1.230420073	2	10	16	0.002850496	0.004587418
2	10	17	0.769066562	1.230506499	2	10	17	0.00284896	0.004584946
2	10	18	0.769505541	1.231208866	2	10	18	0.002843136	0.004575572
2	10	19	0.769715988	1.231545581	2	10	19	0.002824148	0.004545014
2	10	20	0.769721955	1.231555128	2	10	20	0.002797831	0.004502662
2	10	21	0.76990862	1.231853791	2	10	21	0.002761694	0.004444504
2	10	22	0.770245783	1.232393253	2	10	22	0.002756917	0.004436816
2	10	23	0.769854254	1.231766806	2	10	23	0.002756693	0.004436456
2	10	24	0.770053152	1.232085043	2	10	24	0.002756559	0.004436241
2	11	1	0.738615449	1.181784719	2	11	1	0.002596787	0.004179113
2	11	2	0.738628032	1.181804851	2	11	2	0.002596782	0.004179105
2	11	3	0.738766683	1.182026693	2	11	3	0.002596764	0.004179076
2	11	4	0.738730482	1.181968772	2	11	4	0.00259675	0.004179054
2	11	5	0.73889335	1.18222936	2	11	5	0.002596882	0.004179266
2	11	6	0.739455254	1.183128406	2	11	6	0.002596901	0.004179296
2	11	7	0.739593904	1.183350247	2	11	7	0.002596777	0.004179098
2	11	8	0.739672572	1.183476115	2	11	8	0.002596788	0.004179115
2	11	9	0.739895038	1.183832061	2	11	9	0.002597033	0.004179509
2	11	10	0.739666171	1.183465873	2	11	10	0.002611422	0.004202667
2	11	11	0.739297668	1.182876269	2	11	11	0.00262944	0.004231663
2	11	12	0.7389776	1.18236416	2	11	12	0.002650212	0.004265092
2	11	13	0.738803133	1.182085013	2	11	13	0.002665808	0.004290192
2	11	14	0.738615749	1.181785198	2	11	14	0.002680612	0.004314016
2	11	15	0.73812053	1.180992847	2	11	15	0.002688879	0.004327321
2	11	16	0.738144747	1.181031594	2	11	16	0.002685741	0.004322271
2	11	17	0.738192796	1.181108473	2	11	17	0.002684277	0.004319914
2	11	18	0.738603815	1.181766104	2	11	18	0.002678772	0.004311055
2	11	19	0.738808801	1.182094081	2	11	19	0.002660812	0.004282151
2	11	20	0.738814432	1.182103092	2	11	20	0.002635898	0.004242056
2	11	21	0.738989534	1.182383254	2	11	21	0.002601683	0.004186993
2	11	22	0.739309602	1.182895363	2	11	22	0.002597179	0.004179744
2	11	23	0.738935817	1.182297307	2	11	23	0.002596986	0.004179433
2	11	24	0.739123252	1.182597202	2	11	24	0.002596862	0.004179235

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
2	13	1	0.692355517	1.114235427	2	13	1	0.002360043	0.003798112
2	13	2	0.692373467	1.114264316	2	13	2	0.002360041	0.003798109
2	13	3	0.692495672	1.114460984	2	13	3	0.00236002	0.003798075
2	13	4	0.692464753	1.114411226	2	13	4	0.002360009	0.003798057
2	13	5	0.692616542	1.114655506	2	13	5	0.002360119	0.003798233
2	13	6	0.693127459	1.115477744	2	13	6	0.002360137	0.003798263
2	13	7	0.693255031	1.115683051	2	13	7	0.002360037	0.003798102
2	13	8	0.693327682	1.115799971	2	13	8	0.002360049	0.003798122
2	13	9	0.693522572	1.116113617	2	13	9	0.00236025	0.003798444
2	13	10	0.693321715	1.115790369	2	13	10	0.002373432	0.003819658
2	13	11	0.692981387	1.115242665	2	13	11	0.002389952	0.003846246
2	13	12	0.692689878	1.114773528	2	13	12	0.00240898	0.003876868
2	13	13	0.692531523	1.114518681	2	13	13	0.002423259	0.003899848
2	13	14	0.692355866	1.11423599	2	13	14	0.002436791	0.003921625
2	13	15	0.691906002	1.113512005	2	13	15	0.002444344	0.00393378
2	13	16	0.691929535	1.113549877	2	13	16	0.002441446	0.003929117
2	13	17	0.691972387	1.113618841	2	13	17	0.002440102	0.003926953
2	13	18	0.692349165	1.114225205	2	13	18	0.002435062	0.003918843
2	13	19	0.692531822	1.114519163	2	13	19	0.002418633	0.003892402
2	13	20	0.692537789	1.114528766	2	13	20	0.002395816	0.003855682
2	13	21	0.692696144	1.114783613	2	13	21	0.002364448	0.003805201
2	13	22	0.692988038	1.115253369	2	13	22	0.00236037	0.003798637
2	13	23	0.692652993	1.114714167	2	13	23	0.00236021	0.003798381
2	13	24	0.692823331	1.1149883	2	13	24	0.002360108	0.003798216
3	1	1	4.519649348	7.273652482	3	1	1	0.022485008	0.036186023
3	1	2	4.519791936	7.273881954	3	1	2	0.022485007	0.036186021
3	1	3	4.520830143	7.275552782	3	1	3	0.022484653	0.036185451
3	1	4	4.520547867	7.275098505	3	1	4	0.022484282	0.036184854
3	1	5	4.521767503	7.277061314	3	1	5	0.022486973	0.036189185
3	1	6	4.525998801	7.283870911	3	1	6	0.022487317	0.036189739
3	1	7	4.52704229	7.28555024	3	1	7	0.022484908	0.036185862
3	1	8	4.527614891	7.286471749	3	1	8	0.022485082	0.036186143
3	1	9	4.529265443	7.289128048	3	1	9	0.022490041	0.036194123
3	1	10	4.527579316	7.286414497	3	1	10	0.022586699	0.036349678
3	1	11	4.602609413	7.407163432	3	1	11	0.022706352	0.03654224
3	1	12	5.052390474	8.131014086	3	1	12	0.022845436	0.036766074
3	1	13	5.400411635	8.691098461	3	1	13	0.022953049	0.03693926
3	1	14	5.701396	9.175484639	3	1	14	0.023058798	0.037109446
3	1	15	5.894339117	9.485995714	3	1	15	0.023117841	0.037204466
3	1	16	5.833277241	9.387726395	3	1	16	0.02309906	0.037174241
3	1	17	5.788029863	9.31490798	3	1	17	0.023090183	0.037159955
3	1	18	5.66412744	9.115506854	3	1	18	0.023051834	0.037098238
3	1	19	5.263965783	8.471510694	3	1	19	0.022926828	0.036897061
3	1	20	4.721290187	7.59816115	3	1	20	0.022758334	0.036625898
3	1	21	4.522481579	7.278210504	3	1	21	0.022529746	0.036258021
3	1	22	4.524888675	7.28208434	3	1	22	0.022493	0.036198884
3	1	23	4.522089523	7.277579552	3	1	23	0.022489048	0.036192524
3	1	24	4.52348859	7.279831128	3	1	24	0.022486558	0.036188518
3	7	1	0.965178624	1.544285798	3	7	1	0.003816652	0.00614229
3	7	2	0.965196739	1.544314782	3	7	2	0.00381665	0.006142288
3	7	3	0.965392778	1.544628445	3	7	3	0.00381662	0.006142239
3	7	4	0.965345214	1.544552342	3	7	4	0.003816586	0.006142185
3	7	5	0.965571701	1.544914722	3	7	5	0.003816816	0.006142555
3	7	6	0.966363254	1.546181207	3	7	6	0.00381684	0.006142593
3	7	7	0.966559294	1.54649487	3	7	7	0.003816642	0.006142274
3	7	8	0.96666687	1.546666993	3	7	8	0.00381666	0.006142304
3	7	9	0.966975884	1.547161414	3	7	9	0.003817065	0.006142956
3	7	10	0.966660319	1.54665651	3	7	10	0.003837622	0.006176039
3	7	11	0.966137151	1.545819442	3	7	11	0.003863346	0.006217438
3	7	12	0.965690342	1.545104548	3	7	12	0.003893013	0.006265181
3	7	13	0.965440842	1.544705347	3	7	13	0.003915358	0.006301143
3	7	14	0.965178624	1.544285798	3	7	14	0.003936626	0.00633537
3	7	15	0.964482314	1.543171703	3	7	15	0.003948504	0.006354485
3	7	16	0.964512263	1.543219621	3	7	16	0.003944056	0.006347327
3	7	17	0.964583225	1.54333316	3	7	17	0.003941982	0.00634399
3	7	18	0.96516629	1.544266065	3	7	18	0.003934086	0.006331282
3	7	19	0.965452291	1.544723665	3	7	19	0.003908342	0.006289851
3	7	20	0.965452676	1.544724281	3	7	20	0.003872733	0.006232544
3	7	21	0.965702176	1.545123482	3	7	21	0.003823861	0.006153893
3	7	22	0.966154382	1.545847011	3	7	22	0.003817314	0.006143356
3	7	23	0.965630715	1.545009144	3	7	23	0.003816987	0.006142829
3	7	24	0.96589833	1.545437328	3	7	24	0.003816782	0.0061425

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
3	8	1	0.886430112	1.426567437	3	8	1	0.003396139	0.005465542
3	8	2	0.886448227	1.42659659	3	8	2	0.00339614	0.005465544
3	8	3	0.886626537	1.426883551	3	8	3	0.003396108	0.005465492
3	8	4	0.886574189	1.426799306	3	8	4	0.003396084	0.005465453
3	8	5	0.886782832	1.427135083	3	8	5	0.003396279	0.005465767
3	8	6	0.887499066	1.428287747	3	8	6	0.003396301	0.005465803
3	8	7	0.887672593	1.42856701	3	8	7	0.003396133	0.005465533
3	8	8	0.887773389	1.428729226	3	8	8	0.003396145	0.005465552
3	8	9	0.88804871	1.429172311	3	8	9	0.003396496	0.005466117
3	8	10	0.887762439	1.428711604	3	8	10	0.003414942	0.005495803
3	8	11	0.887295976	1.427960906	3	8	11	0.003438036	0.005532969
3	8	12	0.886890409	1.427308211	3	8	12	0.003464653	0.005575805
3	8	13	0.886668819	1.426951597	3	8	13	0.003484688	0.005608048
3	8	14	0.886430112	1.426567437	3	8	14	0.003503742	0.005638712
3	8	15	0.885802955	1.425558128	3	8	15	0.00351438	0.005655832
3	8	16	0.885832904	1.425606326	3	8	16	0.003510377	0.00564939
3	8	17	0.885892802	1.425702721	3	8	17	0.003508521	0.005646403
3	8	18	0.886417779	1.426547589	3	8	18	0.003501437	0.005635002
3	8	19	0.886674985	1.426961521	3	8	19	0.003478364	0.005597871
3	8	20	0.886680767	1.426970826	3	8	20	0.003446408	0.005546443
3	8	21	0.886901858	1.427326636	3	8	21	0.00340255	0.00547586
3	8	22	0.887307924	1.427980135	3	8	22	0.003396713	0.005466466
3	8	23	0.886836179	1.427220936	3	8	23	0.003396422	0.005465997
3	8	24	0.887075384	1.427605899	3	8	24	0.003396252	0.005465724
3	10	1	0.788843386	1.262149418	3	10	1	0.002819783	0.00453799
3	10	2	0.788855669	1.262169071	3	10	2	0.002819781	0.004537987
3	10	3	0.789005784	1.262409254	3	10	3	0.002819764	0.004537959
3	10	4	0.788969718	1.262351549	3	10	4	0.00281974	0.004537921
3	10	5	0.789144784	1.262631654	3	10	5	0.002819891	0.004538163
3	10	6	0.789758095	1.263612952	3	10	6	0.002819906	0.004538188
3	10	7	0.789908594	1.263853751	3	10	7	0.002819778	0.004537982
3	10	8	0.789992459	1.263987935	3	10	8	0.002819785	0.004537992
3	10	9	0.790227558	1.264364093	3	10	9	0.002820062	0.004538439
3	10	10	0.789986492	1.263978388	3	10	10	0.002835449	0.004563202
3	10	11	0.789583714	1.263333942	3	10	11	0.002854725	0.004594223
3	10	12	0.789234566	1.262775306	3	10	12	0.00287694	0.004629975
3	10	13	0.789047951	1.262476722	3	10	13	0.002893637	0.004656846
3	10	14	0.788843386	1.262149418	3	10	14	0.002909496	0.004682369
3	10	15	0.788302341	1.261283746	3	10	15	0.002918357	0.004696629
3	10	16	0.788331841	1.261330945	3	10	16	0.002914998	0.004691224
3	10	17	0.788380574	1.261408919	3	10	17	0.002913438	0.004688713
3	10	18	0.788831452	1.262130324	3	10	18	0.002907541	0.004679221
3	10	19	0.789048251	1.262477201	3	10	19	0.002888314	0.004648279
3	10	20	0.789054268	1.262486828	3	10	20	0.002861658	0.00460538
3	10	21	0.78924655	1.262794479	3	10	21	0.002825055	0.004546474
3	10	22	0.789595262	1.26335242	3	10	22	0.002820224	0.004538699
3	10	23	0.789186816	1.262698906	3	10	23	0.002820005	0.004538347
3	10	24	0.789397099	1.263035358	3	10	24	0.002819872	0.004538133
3	11	1	0.755697187	1.209115499	3	11	1	0.002624447	0.004223628
3	11	2	0.755715137	1.20914422	3	11	2	0.002624442	0.004223619
3	11	3	0.755854088	1.20936654	3	11	3	0.002624423	0.004223588
3	11	4	0.755817937	1.209308699	3	11	4	0.002624405	0.00422356
3	11	5	0.755987157	1.20957945	3	11	5	0.002624541	0.004223779
3	11	6	0.756566276	1.210506042	3	11	6	0.002624556	0.004223803
3	11	7	0.756705277	1.210728442	3	11	7	0.002624441	0.004223617
3	11	8	0.756783894	1.210854231	3	11	8	0.002624448	0.004223629
3	11	9	0.757007095	1.211211352	3	11	9	0.002624697	0.00422403
3	11	10	0.756777928	1.210844684	3	11	10	0.002639061	0.004247147
3	11	11	0.756397442	1.210235907	3	11	11	0.002657059	0.004276111
3	11	12	0.756071406	1.20971425	3	11	12	0.002677799	0.004309489
3	11	13	0.755890588	1.209424941	3	11	13	0.002693384	0.004334571
3	11	14	0.755702854	1.209124567	3	11	14	0.002708172	0.004358369
3	11	15	0.755190034	1.208304054	3	11	15	0.002716425	0.004371652
3	11	16	0.755214251	1.208342801	3	11	16	0.002713291	0.004366608
3	11	17	0.755268267	1.208429227	3	11	17	0.00271183	0.004364256
3	11	18	0.75569092	1.209105473	3	11	18	0.002706325	0.004355396
3	11	19	0.755896555	1.209434488	3	11	19	0.002688389	0.004326532
3	11	20	0.755901837	1.20944294	3	11	20	0.002663512	0.004286497
3	11	21	0.756077673	1.209724277	3	11	21	0.002629334	0.004231493
3	11	22	0.756409375	1.210255001	3	11	22	0.002624843	0.004224265
3	11	23	0.756029239	1.209646782	3	11	23	0.002624646	0.004223948
3	11	24	0.756222291	1.209955665	3	11	24	0.002624526	0.004223755

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	6	1	1.09822002	1.767409407	5	6	1	0.004340505	0.006985349
5	6	2	1.098243802	1.767447681	5	6	2	0.004340507	0.006985352
5	6	3	1.098469021	1.767810134	5	6	3	0.004340471	0.006985293
5	6	4	1.098409508	1.767714358	5	6	4	0.004340436	0.006985238
5	6	5	1.098671841	1.768136541	5	6	5	0.004340703	0.006985667
5	6	6	1.099580381	1.76959869	5	6	6	0.004340737	0.006985722
5	6	7	1.099806099	1.769961947	5	6	7	0.004340498	0.006985337
5	6	8	1.099931291	1.770163424	5	6	8	0.004340515	0.006985364
5	6	9	1.100282201	1.770728158	5	6	9	0.00434101	0.006986161
5	6	10	1.099919842	1.770144999	5	6	10	0.004363662	0.007022615
5	6	11	1.099324714	1.769187235	5	6	11	0.004391985	0.007068197
5	6	12	1.098807598	1.76835502	5	6	12	0.004424677	0.00712081
5	6	13	1.098528534	1.767905911	5	6	13	0.00444933	0.007160484
5	6	14	1.09822002	1.767409407	5	6	14	0.00447284	0.00719832
5	6	15	1.097422956	1.76612666	5	6	15	0.004485974	0.007219457
5	6	16	1.097459071	1.766184782	5	6	16	0.004481096	0.007211608
5	6	17	1.097536699	1.766309712	5	6	17	0.004478822	0.007207947
5	6	18	1.098208072	1.767390178	5	6	18	0.004470105	0.007193919
5	6	19	1.098529033	1.767906714	5	6	19	0.004441694	0.007148196
5	6	20	1.0985352	1.767916639	5	6	20	0.004402431	0.007085008
5	6	21	1.098820431	1.768375672	5	6	21	0.004348591	0.006998362
5	6	22	1.099337047	1.769207083	5	6	22	0.004341312	0.006986647
5	6	23	1.098737521	1.768242241	5	6	23	0.004340911	0.006986001
5	6	24	1.09904565	1.768738126	5	6	24	0.004340663	0.006985603
5	8	1	0.878376576	1.413606559	5	8	1	0.003383959	0.005445941
5	8	2	0.878399859	1.413644029	5	8	2	0.003383961	0.005445943
5	8	3	0.878573001	1.413922673	5	8	3	0.003383928	0.005445891
5	8	4	0.878525436	1.413846126	5	8	4	0.003383904	0.005445852
5	8	5	0.878734194	1.414182088	5	8	5	0.003384095	0.00544616
5	8	6	0.879444261	1.415324828	5	8	6	0.003384121	0.005446202
5	8	7	0.879617403	1.415603471	5	8	7	0.003383954	0.005445932
5	8	8	0.879713416	1.415757989	5	8	8	0.003383965	0.00544595
5	8	9	0.879987853	1.416199652	5	8	9	0.00338432	0.005446521
5	8	10	0.87970675	1.415747261	5	8	10	0.003402901	0.005476425
5	8	11	0.879235889	1.414989485	5	8	11	0.003426157	0.005513851
5	8	12	0.878835989	1.41434591	5	8	12	0.003452977	0.005557014
5	8	13	0.878620565	1.41399922	5	8	13	0.003473155	0.005589487
5	8	14	0.878381859	1.413615061	5	8	14	0.003492338	0.005620359
5	8	15	0.877755971	1.412607794	5	8	15	0.003503056	0.005637608
5	8	16	0.87778542	1.412655188	5	8	16	0.003499023	0.005631118
5	8	17	0.877845318	1.412751584	5	8	17	0.003497146	0.005628097
5	8	18	0.878364243	1.413586711	5	8	18	0.003490018	0.005616626
5	8	19	0.878621065	1.414000024	5	8	19	0.003466776	0.005579222
5	8	20	0.878626732	1.414009145	5	8	20	0.003434592	0.005527427
5	8	21	0.878847823	1.414364955	5	8	21	0.003390402	0.005456309
5	8	22	0.879253504	1.415017834	5	8	22	0.003384529	0.005446858
5	8	23	0.87878754	1.41426794	5	8	23	0.003384246	0.005446403
5	8	24	0.879020964	1.414643599	5	8	24	0.003384072	0.005446122

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	11	1	0.735165888	1.176265421	5	11	1	0.002616535	0.004210895
5	11	2	0.735183839	1.176294142	5	11	2	0.002616534	0.004210894
5	11	3	0.735322105	1.176515367	5	11	3	0.002616521	0.004210872
5	11	4	0.735286289	1.176458062	5	11	4	0.002616498	0.004210836
5	11	5	0.735449157	1.17671865	5	11	5	0.002616633	0.004211053
5	11	6	0.736010376	1.177616601	5	11	6	0.002616649	0.004211078
5	11	7	0.736143744	1.17782999	5	11	7	0.002616534	0.004210893
5	11	8	0.736222412	1.177955859	5	11	8	0.002616539	0.004210901
5	11	9	0.73643998	1.178303968	5	11	9	0.00261679	0.004211304
5	11	10	0.736221677	1.177954684	5	11	10	0.002631443	0.004234886
5	11	11	0.735847893	1.177356628	5	11	11	0.00264981	0.004264445
5	11	12	0.735528124	1.176844998	5	11	12	0.002670976	0.004298508
5	11	13	0.735358605	1.176573768	5	11	13	0.002686871	0.004324089
5	11	14	0.735171171	1.176273873	5	11	14	0.002701952	0.00434836
5	11	15	0.734676251	1.175482001	5	11	15	0.002710375	0.004361915
5	11	16	0.734700468	1.175520748	5	11	16	0.002707166	0.004356751
5	11	17	0.734748952	1.175598323	5	11	17	0.002705675	0.004354352
5	11	18	0.735159237	1.176254779	5	11	18	0.002700066	0.004345325
5	11	19	0.73535899	1.176574384	5	11	19	0.002681768	0.004315876
5	11	20	0.735364572	1.176583315	5	11	20	0.00265638	0.004275019
5	11	21	0.735540108	1.176864172	5	11	21	0.002621513	0.004218905
5	11	22	0.735859876	1.177375802	5	11	22	0.002616933	0.004211534
5	11	23	0.735491239	1.176785982	5	11	23	0.002616733	0.004211214
5	11	24	0.735678758	1.177086013	5	11	24	0.00261661	0.004211015
5	7	1	0.965178624	1.553300566	5	7	1	0.003816652	0.00614229
5	7	2	0.965196739	1.553329719	5	7	2	0.00381665	0.006142288
5	7	3	0.965392778	1.553645214	5	7	3	0.00381662	0.006142239
5	7	4	0.965345214	1.553568666	5	7	4	0.003816586	0.006142185
5	7	5	0.965571701	1.553933162	5	7	5	0.003816816	0.006142555
5	7	6	0.966363254	1.555207039	5	7	6	0.00381684	0.006142593
5	7	7	0.966559294	1.555522534	5	7	7	0.003816642	0.006142274
5	7	8	0.96666687	1.555695661	5	7	8	0.00381666	0.006142304
5	7	9	0.966975884	1.556192968	5	7	9	0.003817065	0.006142956
5	7	10	0.966660319	1.555685118	5	7	10	0.003837622	0.006176039
5	7	11	0.966137151	1.554843163	5	7	11	0.003863346	0.006217438
5	7	12	0.965690342	1.554124095	5	7	12	0.003893013	0.006265181
5	7	13	0.965440842	1.553722565	5	7	13	0.003915358	0.006301143
5	7	14	0.965178624	1.553300566	5	7	14	0.003936626	0.00633537
5	7	15	0.964482314	1.552179968	5	7	15	0.003948504	0.006354485
5	7	16	0.964512263	1.552228165	5	7	16	0.003944056	0.006347327
5	7	17	0.964583225	1.552342367	5	7	17	0.003941982	0.00634399
5	7	18	0.96516629	1.553280718	5	7	18	0.003934086	0.006331282
5	7	19	0.965452291	1.55374099	5	7	19	0.003908342	0.006289851
5	7	20	0.965452676	1.553741609	5	7	20	0.003872733	0.006232544
5	7	21	0.965702176	1.55414314	5	7	21	0.003823861	0.006153893
5	7	22	0.966154382	1.554870893	5	7	22	0.003817314	0.006143356
5	7	23	0.965630715	1.554028135	5	7	23	0.003816987	0.006142829
5	7	24	0.96589833	1.554458819	5	7	24	0.003816782	0.0061425

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
1	0	1	0.00604817	0.009733562	1	0	1	0.150550947	0.242287661
1	0	2	0.00604817	0.009733562	1	0	2	0.150550947	0.242287661
1	0	3	0.00604817	0.009733562	1	0	3	0.150550947	0.242287661
1	0	4	0.00604817	0.009733562	1	0	4	0.150550947	0.242287661
1	0	5	0.00604817	0.009733562	1	0	5	0.150550947	0.242287661
1	0	6	0.00604817	0.009733562	1	0	6	0.150550947	0.242287661
1	0	7	0.00604817	0.009733562	1	0	7	0.150550947	0.242287661
1	0	8	0.00604817	0.009733562	1	0	8	0.150550947	0.242287661
1	0	9	0.00604817	0.009733562	1	0	9	0.150550947	0.242287661
1	0	10	0.006065337	0.00976119	1	0	10	0.150984096	0.242984744
1	0	11	0.006086963	0.009795993	1	0	11	0.151530493	0.243864084
1	0	12	0.006111784	0.009835938	1	0	12	0.152156539	0.244871604
1	0	13	0.006130143	0.009865485	1	0	13	0.152619993	0.245617459
1	0	14	0.006147224	0.009892974	1	0	14	0.153051946	0.246312619
1	0	15	0.006156797	0.009908379	1	0	15	0.153292737	0.246700134
1	0	16	0.006152834	0.009902001	1	0	16	0.153192848	0.246539379
1	0	17	0.006151001	0.009899052	1	0	17	0.153147117	0.246465782
1	0	18	0.006144592	0.009888738	1	0	18	0.152984074	0.24620339
1	0	19	0.006123551	0.009854875	1	0	19	0.152452848	0.245348467
1	0	20	0.006093909	0.009807171	1	0	20	0.151705262	0.244145347
1	0	21	0.006052955	0.009741262	1	0	21	0.150671909	0.242482331
1	0	22	0.00604817	0.009733562	1	0	22	0.150550947	0.242287661
1	0	23	0.00604817	0.009733562	1	0	23	0.150550947	0.242287661
1	0	24	0.00604817	0.009733562	1	0	24	0.150550947	0.242287661
2	1	1	0.003431908	0.005523107	2	1	1	0.081138395	0.130579264
2	1	2	0.003431908	0.005523107	2	1	2	0.081138395	0.130579264
2	1	3	0.003431908	0.005523107	2	1	3	0.081138395	0.130579264
2	1	4	0.003431903	0.005523099	2	1	4	0.081138395	0.130579264
2	1	5	0.003431908	0.005523107	2	1	5	0.081138395	0.130579264
2	1	6	0.003431908	0.005523107	2	1	6	0.081138395	0.130579264
2	1	7	0.003431908	0.005523107	2	1	7	0.081138395	0.130579264
2	1	8	0.003431908	0.005523107	2	1	8	0.081138395	0.130579264
2	1	9	0.003431908	0.005523107	2	1	9	0.081138395	0.130579264
2	1	10	0.003452305	0.005555932	2	1	10	0.081620953	0.131355864
2	1	11	0.003478007	0.005597296	2	1	11	0.082229132	0.132334631
2	1	12	0.003507488	0.005644741	2	1	12	0.082926747	0.133457331
2	1	13	0.003529311	0.005679862	2	1	13	0.083443229	0.134288527
2	1	14	0.003549633	0.005712567	2	1	14	0.083923996	0.135062244
2	1	15	0.003560983	0.005730832	2	1	15	0.084192631	0.135494569
2	1	16	0.003556278	0.005723261	2	1	16	0.084081243	0.135315308
2	1	17	0.003554101	0.005719757	2	1	17	0.084029431	0.135231924
2	1	18	0.003546434	0.005707417	2	1	18	0.083848332	0.134940475
2	1	19	0.003521428	0.005667176	2	1	19	0.083256749	0.133988417
2	1	20	0.003486237	0.005610541	2	1	20	0.082423934	0.132648134
2	1	21	0.003437586	0.005532245	2	1	21	0.081272427	0.130794968
2	1	22	0.003431908	0.005523107	2	1	22	0.081138395	0.130579264
2	1	23	0.003431908	0.005523107	2	1	23	0.081138395	0.130579264
2	1	24	0.003431908	0.005523107	2	1	24	0.081138395	0.130579264
2	5	1	0.000685872	0.001103801	2	5	1	0.014598963	0.023494696
2	5	2	0.000685872	0.001103801	2	5	2	0.014598963	0.023494696
2	5	3	0.000685872	0.001103801	2	5	3	0.014598963	0.023494696
2	5	4	0.000685872	0.001103801	2	5	4	0.014598963	0.023494696
2	5	5	0.000685872	0.001103801	2	5	5	0.014598963	0.023494696
2	5	6	0.000685872	0.001103801	2	5	6	0.014598963	0.023494696
2	5	7	0.000685872	0.001103801	2	5	7	0.014598963	0.023494696
2	5	8	0.000685872	0.001103801	2	5	8	0.014598963	0.023494696
2	5	9	0.000685872	0.001103801	2	5	9	0.014598963	0.023494696
2	5	10	0.000690787	0.001111711	2	5	10	0.0147053	0.023665827
2	5	11	0.000696975	0.001121669	2	5	11	0.014839281	0.023881448
2	5	12	0.000704078	0.001133102	2	5	12	0.014992996	0.024128829
2	5	13	0.00070934	0.001141569	2	5	13	0.015106769	0.024311927
2	5	14	0.000714231	0.00114944	2	5	14	0.015212729	0.024482453
2	5	15	0.000716964	0.001153839	2	5	15	0.015271856	0.02457761
2	5	16	0.00071583	0.001152014	2	5	16	0.015247334	0.024538145
2	5	17	0.000715306	0.00115117	2	5	17	0.01523602	0.024519936
2	5	18	0.000713463	0.001148205	2	5	18	0.01519601	0.024455547
2	5	19	0.00070744	0.001138511	2	5	19	0.015065707	0.024245846
2	5	20	0.00069896	0.001124864	2	5	20	0.014882184	0.023950495
2	5	21	0.000687242	0.001106006	2	5	21	0.014628591	0.023542376
2	5	22	0.000685872	0.001103801	2	5	22	0.014598963	0.023494696
2	5	23	0.000685872	0.001103801	2	5	23	0.014598963	0.023494696

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	5	24	0.000685872	0.001103801	2	5	24	0.014598963	0.023494696
2	6	1	0.000584845	0.000941215	2	6	1	0.012354725	0.019882953
2	6	2	0.000584845	0.000941215	2	6	2	0.012354725	0.019882953
2	6	3	0.000584845	0.000941215	2	6	3	0.012354725	0.019882953
2	6	4	0.000584845	0.000941215	2	6	4	0.012354725	0.019882953
2	6	5	0.000584845	0.000941215	2	6	5	0.012354725	0.019882953
2	6	6	0.000584845	0.000941215	2	6	6	0.012354725	0.019882953
2	6	7	0.000584845	0.000941215	2	6	7	0.012354725	0.019882953
2	6	8	0.000584845	0.000941215	2	6	8	0.012354725	0.019882953
2	6	9	0.000584845	0.000941215	2	6	9	0.012354725	0.019882953
2	6	10	0.00058908	0.000948029	2	6	10	0.012445757	0.020029454
2	6	11	0.000594416	0.000956617	2	6	11	0.012560365	0.020213897
2	6	12	0.000600535	0.000966466	2	6	12	0.01269187	0.020425534
2	6	13	0.000605068	0.00097376	2	6	13	0.012789203	0.020582175
2	6	14	0.000609286	0.000980548	2	6	14	0.012879876	0.020728099
2	6	15	0.00061164	0.000984337	2	6	15	0.012930459	0.020809505
2	6	16	0.000610667	0.000982771	2	6	16	0.012909486	0.020775753
2	6	17	0.000610214	0.000982042	2	6	17	0.012899793	0.020760153
2	6	18	0.00060862	0.000979476	2	6	18	0.012865621	0.020705159
2	6	19	0.00060343	0.000971124	2	6	19	0.012754104	0.020525689
2	6	20	0.000596124	0.000959366	2	6	20	0.01259707	0.020272969
2	6	21	0.000586027	0.000943116	2	6	21	0.012380074	0.019923748
2	6	22	0.000584845	0.000941215	2	6	22	0.012354725	0.019882953
2	6	23	0.000584845	0.000941215	2	6	23	0.012354725	0.019882953
2	6	24	0.000584845	0.000941215	2	6	24	0.012354725	0.019882953
2	7	1	0.000519711	0.000836391	2	7	1	0.010896428	0.017536057
2	7	2	0.000519711	0.000836391	2	7	2	0.010896428	0.017536057
2	7	3	0.000519711	0.000836391	2	7	3	0.010896428	0.017536057
2	7	4	0.000519711	0.000836391	2	7	4	0.010896428	0.017536057
2	7	5	0.000519711	0.000836391	2	7	5	0.010896428	0.017536057
2	7	6	0.000519711	0.000836391	2	7	6	0.010896428	0.017536057
2	7	7	0.000519711	0.000836391	2	7	7	0.010896428	0.017536057
2	7	8	0.000519711	0.000836391	2	7	8	0.010896428	0.017536057
2	7	9	0.000519711	0.000836391	2	7	9	0.010896428	0.017536057
2	7	10	0.000523462	0.000842429	2	7	10	0.010976513	0.017664941
2	7	11	0.00052819	0.000850037	2	7	11	0.011077339	0.017827205
2	7	12	0.000533613	0.000858765	2	7	12	0.01119302	0.018013375
2	7	13	0.000537628	0.000865227	2	7	13	0.011278625	0.018151142
2	7	14	0.000541366	0.000871242	2	7	14	0.01135835	0.018279447
2	7	15	0.000543454	0.000874602	2	7	15	0.011402907	0.018351154
2	7	16	0.000542589	0.00087321	2	7	16	0.01138446	0.018321467
2	7	17	0.000542188	0.000872564	2	7	17	0.011375917	0.018307719
2	7	18	0.000540777	0.000870295	2	7	18	0.011345783	0.018259223
2	7	19	0.000536178	0.000862894	2	7	19	0.011247681	0.018101343
2	7	20	0.000529705	0.000852475	2	7	20	0.011109594	0.017879114
2	7	21	0.000520756	0.000838073	2	7	21	0.010918763	0.017572003
2	7	22	0.000519711	0.000836391	2	7	22	0.010896428	0.017536057
2	7	23	0.000519711	0.000836391	2	7	23	0.010896428	0.017536057
2	7	24	0.000519711	0.000836391	2	7	24	0.010896428	0.017536057
2	8	1	0.000467875	0.000752971	2	8	1	0.009838956	0.015834226
2	8	2	0.000467875	0.000752971	2	8	2	0.009838956	0.015834226
2	8	3	0.000467875	0.000752971	2	8	3	0.009838956	0.015834226
2	8	4	0.000467875	0.000752971	2	8	4	0.009838956	0.015834226
2	8	5	0.000467875	0.000752971	2	8	5	0.009838956	0.015834226
2	8	6	0.000467875	0.000752971	2	8	6	0.009838956	0.015834226
2	8	7	0.000467875	0.000752971	2	8	7	0.009838956	0.015834226
2	8	8	0.000467875	0.000752971	2	8	8	0.009838956	0.015834226
2	8	9	0.000467875	0.000752971	2	8	9	0.009838956	0.015834226
2	8	10	0.000471297	0.000758476	2	8	10	0.00991216	0.015952036
2	8	11	0.000475606	0.000765412	2	8	11	0.010004411	0.016100499
2	8	12	0.000480551	0.00077337	2	8	12	0.010110201	0.016270751
2	8	13	0.000484212	0.000779261	2	8	13	0.010188492	0.016396747
2	8	14	0.00048762	0.000784747	2	8	14	0.010261451	0.016514164
2	8	15	0.000489523	0.000787809	2	8	15	0.010302139	0.016579644
2	8	16	0.000488735	0.00078654	2	8	16	0.010285314	0.016552568
2	8	17	0.000488369	0.000785952	2	8	17	0.010277462	0.016539931
2	8	18	0.000487083	0.000783882	2	8	18	0.010249951	0.016495655
2	8	19	0.00048289	0.000777133	2	8	19	0.010160233	0.01635127
2	8	20	0.000476987	0.000767634	2	8	20	0.010033913	0.016147977
2	8	21	0.000468828	0.000754504	2	8	21	0.009859355	0.015867054
2	8	22	0.000467875	0.000752971	2	8	22	0.009838956	0.015834226

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	8	23	0.000467875	0.000752971	2	8	23	0.009838956	0.015834226
2	8	24	0.000467875	0.000752971	2	8	24	0.009838956	0.015834226
2	10	1	0.000397844	0.000640266	2	10	1	0.00842625	0.013560701
2	10	2	0.000397844	0.000640266	2	10	2	0.00842625	0.013560701
2	10	3	0.000397844	0.000640266	2	10	3	0.00842625	0.013560701
2	10	4	0.000397843	0.000640265	2	10	4	0.00842625	0.013560701
2	10	5	0.000397844	0.000640266	2	10	5	0.00842625	0.013560701
2	10	6	0.000397844	0.000640266	2	10	6	0.00842625	0.013560701
2	10	7	0.000397844	0.000640266	2	10	7	0.00842625	0.013560701
2	10	8	0.000397844	0.000640266	2	10	8	0.00842625	0.013560701
2	10	9	0.000397844	0.000640266	2	10	9	0.00842625	0.013560701
2	10	10	0.000400825	0.000645064	2	10	10	0.008490464	0.013664044
2	10	11	0.000404582	0.000651111	2	10	11	0.00857144	0.013794361
2	10	12	0.000408892	0.000658046	2	10	12	0.008664323	0.013943842
2	10	13	0.000412083	0.000663182	2	10	13	0.008733038	0.014054428
2	10	14	0.000415054	0.000667963	2	10	14	0.008797114	0.014157548
2	10	15	0.000416713	0.000670633	2	10	15	0.00883283	0.014215027
2	10	16	0.000416025	0.000669525	2	10	16	0.008818023	0.014191197
2	10	17	0.000415706	0.000669013	2	10	17	0.008811179	0.014180183
2	10	18	0.000414585	0.000667209	2	10	18	0.008787004	0.014141277
2	10	19	0.000410931	0.000661328	2	10	19	0.008708241	0.01401452
2	10	20	0.000405786	0.000653048	2	10	20	0.008597401	0.013836142
2	10	21	0.000398674	0.000641602	2	10	21	0.008444135	0.013589485
2	10	22	0.000397844	0.000640266	2	10	22	0.00842625	0.013560701
2	10	23	0.000397844	0.000640266	2	10	23	0.00842625	0.013560701
2	10	24	0.000397844	0.000640266	2	10	24	0.00842625	0.013560701
2	11	1	0.000371787	0.000598331	2	11	1	0.007869815	0.012665208
2	11	2	0.000371787	0.000598331	2	11	2	0.007869815	0.012665208
2	11	3	0.000371787	0.000598331	2	11	3	0.007869815	0.012665208
2	11	4	0.000371787	0.000598331	2	11	4	0.007869815	0.012665208
2	11	5	0.000371787	0.000598331	2	11	5	0.007869815	0.012665208
2	11	6	0.000371787	0.000598331	2	11	6	0.007869815	0.012665208
2	11	7	0.000371787	0.000598331	2	11	7	0.007869815	0.012665208
2	11	8	0.000371787	0.000598331	2	11	8	0.007869815	0.012665208
2	11	9	0.000371787	0.000598331	2	11	9	0.007869815	0.012665208
2	11	10	0.000374609	0.000602873	2	11	10	0.007930539	0.012762933
2	11	11	0.000378165	0.000608596	2	11	11	0.008007121	0.01288618
2	11	12	0.000382245	0.000615162	2	11	12	0.008094941	0.013027512
2	11	13	0.000385265	0.000620022	2	11	13	0.008159981	0.013132183
2	11	14	0.000388077	0.000624547	2	11	14	0.00822052	0.013229612
2	11	15	0.000389647	0.000627074	2	11	15	0.008254283	0.013283948
2	11	16	0.000388997	0.000626028	2	11	16	0.008240272	0.0132614
2	11	17	0.000388695	0.000625542	2	11	17	0.008233845	0.013251056
2	11	18	0.000387634	0.000623835	2	11	18	0.008210957	0.013214222
2	11	19	0.000384174	0.000618267	2	11	19	0.008136474	0.013094353
2	11	20	0.000379304	0.000610429	2	11	20	0.008031625	0.012925616
2	11	21	0.000372573	0.000599596	2	11	21	0.007886724	0.012692421
2	11	22	0.000371787	0.000598331	2	11	22	0.007869815	0.012665208
2	11	23	0.000371787	0.000598331	2	11	23	0.007869815	0.012665208
2	11	24	0.000371787	0.000598331	2	11	24	0.007869815	0.012665208

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	13	1	0.000332173	0.000534579	2	13	1	0.007016861	0.011292515
2	13	2	0.000332173	0.000534579	2	13	2	0.007016861	0.011292515
2	13	3	0.000332173	0.000534579	2	13	3	0.007016861	0.011292515
2	13	4	0.000332173	0.000534579	2	13	4	0.007016861	0.011292515
2	13	5	0.000332173	0.000534579	2	13	5	0.007016861	0.011292515
2	13	6	0.000332173	0.000534579	2	13	6	0.007016861	0.011292515
2	13	7	0.000332173	0.000534579	2	13	7	0.007016861	0.011292515
2	13	8	0.000332173	0.000534579	2	13	8	0.007016861	0.011292515
2	13	9	0.000332173	0.000534579	2	13	9	0.007016861	0.011292515
2	13	10	0.00033475	0.000538726	2	13	10	0.007072193	0.011381563
2	13	11	0.000337998	0.000543953	2	13	11	0.007141928	0.011493791
2	13	12	0.000341723	0.000549948	2	13	12	0.007221931	0.011622542
2	13	13	0.000344482	0.000554388	2	13	13	0.007281101	0.011717768
2	13	14	0.000347049	0.00055852	2	13	14	0.007336242	0.011806508
2	13	15	0.000348483	0.000560828	2	13	15	0.007367033	0.011856061
2	13	16	0.000347889	0.000559872	2	13	16	0.007354295	0.011835561
2	13	17	0.000347614	0.000559429	2	13	17	0.007348366	0.011826019
2	13	18	0.000346645	0.000557869	2	13	18	0.007327531	0.011792489
2	13	19	0.000343485	0.000552785	2	13	19	0.007259764	0.011683429
2	13	20	0.000339038	0.000545627	2	13	20	0.007164251	0.011529716
2	13	21	0.00033289	0.000535734	2	13	21	0.007032259	0.011317295
2	13	22	0.000332173	0.000534579	2	13	22	0.007016861	0.011292515
2	13	23	0.000332173	0.000534579	2	13	23	0.007016861	0.011292515
2	13	24	0.000332173	0.000534579	2	13	24	0.007016861	0.011292515
3	1	1	0.003431908	0.005523107	3	1	1	0.081138395	0.130579264
3	1	2	0.003431908	0.005523107	3	1	2	0.081138395	0.130579264
3	1	3	0.003431908	0.005523107	3	1	3	0.081138395	0.130579264
3	1	4	0.003431908	0.005523107	3	1	4	0.081138395	0.130579264
3	1	5	0.003431908	0.005523107	3	1	5	0.081138395	0.130579264
3	1	6	0.003431908	0.005523107	3	1	6	0.081138395	0.130579264
3	1	7	0.003431908	0.005523107	3	1	7	0.081138395	0.130579264
3	1	8	0.003431908	0.005523107	3	1	8	0.081138395	0.130579264
3	1	9	0.003431908	0.005523107	3	1	9	0.081138395	0.130579264
3	1	10	0.003452305	0.005555932	3	1	10	0.081620953	0.131355864
3	1	11	0.003478007	0.005597296	3	1	11	0.082229132	0.132334631
3	1	12	0.003507488	0.005644741	3	1	12	0.082926747	0.133457331
3	1	13	0.003529311	0.005679862	3	1	13	0.083443229	0.134288527
3	1	14	0.003549633	0.005712567	3	1	14	0.083923996	0.135062244
3	1	15	0.003560983	0.005730832	3	1	15	0.084192631	0.135494569
3	1	16	0.003556278	0.005723261	3	1	16	0.084081243	0.135315308
3	1	17	0.003554101	0.005719757	3	1	17	0.084029431	0.135231924
3	1	18	0.003546434	0.005707417	3	1	18	0.083848332	0.134940475
3	1	19	0.003521428	0.005667176	3	1	19	0.083256749	0.133988417
3	1	20	0.003486232	0.005610533	3	1	20	0.082423934	0.132648134
3	1	21	0.003437586	0.005532245	3	1	21	0.081272427	0.130794968
3	1	22	0.003431908	0.005523107	3	1	22	0.081138395	0.130579264
3	1	23	0.003431908	0.005523107	3	1	23	0.081138395	0.130579264
3	1	24	0.003431908	0.005523107	3	1	24	0.081138395	0.130579264
3	7	1	0.000548097	0.000882075	3	7	1	0.011089764	0.017847201
3	7	2	0.000548097	0.000882075	3	7	2	0.011089764	0.017847201
3	7	3	0.000548097	0.000882075	3	7	3	0.011089764	0.017847201
3	7	4	0.000548097	0.000882075	3	7	4	0.011089764	0.017847201
3	7	5	0.000548097	0.000882075	3	7	5	0.011089764	0.017847201
3	7	6	0.000548097	0.000882075	3	7	6	0.011089764	0.017847201
3	7	7	0.000548097	0.000882075	3	7	7	0.011089764	0.017847201
3	7	8	0.000548097	0.000882075	3	7	8	0.011089764	0.017847201
3	7	9	0.000548097	0.000882075	3	7	9	0.011089764	0.017847201
3	7	10	0.000551848	0.000888112	3	7	10	0.011166432	0.017970585
3	7	11	0.000556575	0.000895718	3	7	11	0.011263069	0.018126107
3	7	12	0.000561997	0.000904444	3	7	12	0.011373882	0.018304444
3	7	13	0.00056601	0.000910903	3	7	13	0.011455913	0.018436459
3	7	14	0.000569748	0.000916918	3	7	14	0.011532323	0.018559429
3	7	15	0.000571835	0.000920277	3	7	15	0.011575029	0.018628156
3	7	16	0.00057097	0.000918885	3	7	16	0.011557328	0.018599671
3	7	17	0.000570569	0.000918239	3	7	17	0.011549089	0.018586411
3	7	18	0.000569159	0.00091597	3	7	18	0.011520292	0.018540067
3	7	19	0.000564561	0.000908571	3	7	19	0.011426301	0.018388803
3	7	20	0.000558088	0.000898154	3	7	20	0.011294003	0.018175892
3	7	21	0.000549142	0.000883757	3	7	21	0.011111121	0.017881571
3	7	22	0.000548097	0.000882075	3	7	22	0.011089764	0.017847201
3	7	23	0.000548097	0.000882075	3	7	23	0.011089764	0.017847201
3	7	24	0.000548097	0.000882075	3	7	24	0.011089764	0.017847201

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
3	8	1	0.000487555	0.000784642	3	8	1	0.009954775	0.016020618
3	8	2	0.000487555	0.000784642	3	8	2	0.009954775	0.016020618
3	8	3	0.000487555	0.000784642	3	8	3	0.009954775	0.016020618
3	8	4	0.000487555	0.000784642	3	8	4	0.009954775	0.016020618
3	8	5	0.000487555	0.000784642	3	8	5	0.009954775	0.016020618
3	8	6	0.000487555	0.000784642	3	8	6	0.009954775	0.016020618
3	8	7	0.000487555	0.000784642	3	8	7	0.009954775	0.016020618
3	8	8	0.000487555	0.000784642	3	8	8	0.009954775	0.016020618
3	8	9	0.000487555	0.000784642	3	8	9	0.009954775	0.016020618
3	8	10	0.000490979	0.000790152	3	8	10	0.010025515	0.016134462
3	8	11	0.000495293	0.000797095	3	8	11	0.010114695	0.016277983
3	8	12	0.000500241	0.000805058	3	8	12	0.010217037	0.016442687
3	8	13	0.000503905	0.000810954	3	8	13	0.010292791	0.0165646
3	8	14	0.000507317	0.000816445	3	8	14	0.010363282	0.016678045
3	8	15	0.000509221	0.000819509	3	8	15	0.010402656	0.016741411
3	8	16	0.000508431	0.000818239	3	8	16	0.010386353	0.016715173
3	8	17	0.000508066	0.000817651	3	8	17	0.010378768	0.016702967
3	8	18	0.000506779	0.000815579	3	8	18	0.010352179	0.016660176
3	8	19	0.000502583	0.000808827	3	8	19	0.010265441	0.016520585
3	8	20	0.000496674	0.000799317	3	8	20	0.010143288	0.016323999
3	8	21	0.000488509	0.000786176	3	8	21	0.00997447	0.016052313
3	8	22	0.000487555	0.000784642	3	8	22	0.009954775	0.016020618
3	8	23	0.000487555	0.000784642	3	8	23	0.009954775	0.016020618
3	8	24	0.000487555	0.000784642	3	8	24	0.009954775	0.016020618
3	10	1	0.000404555	0.000651067	3	10	1	0.008432343	0.013570507
3	10	2	0.000404555	0.000651067	3	10	2	0.008432343	0.013570507
3	10	3	0.000404555	0.000651067	3	10	3	0.008432343	0.013570507
3	10	4	0.000404555	0.000651067	3	10	4	0.008432343	0.013570507
3	10	5	0.000404555	0.000651067	3	10	5	0.008432343	0.013570507
3	10	6	0.000404555	0.000651067	3	10	6	0.008432343	0.013570507
3	10	7	0.000404555	0.000651067	3	10	7	0.008432343	0.013570507
3	10	8	0.000404555	0.000651067	3	10	8	0.008432343	0.013570507
3	10	9	0.000404555	0.000651067	3	10	9	0.008432343	0.013570507
3	10	10	0.000407506	0.000655816	3	10	10	0.008494745	0.013670933
3	10	11	0.000411224	0.000661799	3	10	11	0.008573325	0.013797394
3	10	12	0.000415489	0.000668664	3	10	12	0.008663518	0.013942545
3	10	13	0.000418646	0.000673744	3	10	13	0.008730279	0.014049987
3	10	14	0.000421587	0.000678477	3	10	14	0.008792489	0.014150105
3	10	15	0.000423229	0.000681119	3	10	15	0.008827178	0.014205931
3	10	16	0.000422549	0.000680025	3	10	16	0.008812818	0.01418282
3	10	17	0.000422233	0.000679516	3	10	17	0.008806162	0.014172109
3	10	18	0.000421124	0.000677731	3	10	18	0.008782674	0.014134308
3	10	19	0.000417507	0.000671911	3	10	19	0.008706217	0.014011263
3	10	20	0.000412415	0.000663716	3	10	20	0.008598554	0.013837997
3	10	21	0.000405377	0.000652389	3	10	21	0.008449742	0.013598508
3	10	22	0.000404555	0.000651067	3	10	22	0.008432343	0.013570507
3	10	23	0.000404555	0.000651067	3	10	23	0.008432343	0.013570507
3	10	24	0.000404555	0.000651067	3	10	24	0.008432343	0.013570507
3	11	1	0.000375786	0.000604768	3	11	1	0.007895785	0.012707003
3	11	2	0.000375786	0.000604768	3	11	2	0.007895785	0.012707003
3	11	3	0.000375786	0.000604768	3	11	3	0.007895785	0.012707003
3	11	4	0.000375786	0.000604768	3	11	4	0.007895785	0.012707003
3	11	5	0.000375786	0.000604768	3	11	5	0.007895785	0.012707003
3	11	6	0.000375786	0.000604768	3	11	6	0.007895785	0.012707003
3	11	7	0.000375786	0.000604768	3	11	7	0.007895785	0.012707003
3	11	8	0.000375786	0.000604768	3	11	8	0.007895785	0.012707003
3	11	9	0.000375786	0.000604768	3	11	9	0.007895785	0.012707003
3	11	10	0.000378574	0.000609255	3	11	10	0.007955219	0.012802652
3	11	11	0.000382087	0.000614908	3	11	11	0.008030091	0.012923147
3	11	12	0.000386118	0.000621395	3	11	12	0.008116047	0.01306148
3	11	13	0.000389101	0.000626196	3	11	13	0.008179633	0.013163811
3	11	14	0.00039188	0.000630668	3	11	14	0.008238879	0.013259157
3	11	15	0.000393431	0.000633164	3	11	15	0.008271966	0.013312406
3	11	16	0.000392789	0.000632131	3	11	16	0.008258271	0.013290367
3	11	17	0.000392491	0.000631651	3	11	17	0.008251895	0.013280104
3	11	18	0.000391442	0.000629964	3	11	18	0.008229577	0.013244187
3	11	19	0.000388024	0.000624463	3	11	19	0.0081567	0.013126903
3	11	20	0.000383213	0.00061672	3	11	20	0.008054127	0.012961829
3	11	21	0.000376563	0.000606018	3	11	21	0.007912334	0.012733636
3	11	22	0.000375786	0.000604768	3	11	22	0.007895785	0.012707003
3	11	23	0.000375786	0.000604768	3	11	23	0.007895785	0.012707003
3	11	24	0.000375786	0.000604768	3	11	24	0.007895785	0.012707003

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	6	1	0.000623748	0.001003823	5	6	1	0.01264033	0.020342589
5	6	2	0.000623748	0.001003823	5	6	2	0.01264033	0.020342589
5	6	3	0.000623748	0.001003823	5	6	3	0.01264033	0.020342589
5	6	4	0.000623748	0.001003823	5	6	4	0.01264033	0.020342589
5	6	5	0.000623748	0.001003823	5	6	5	0.01264033	0.020342589
5	6	6	0.000623748	0.001003823	5	6	6	0.01264033	0.020342589
5	6	7	0.000623748	0.001003823	5	6	7	0.01264033	0.020342589
5	6	8	0.000623748	0.001003823	5	6	8	0.01264033	0.020342589
5	6	9	0.000623748	0.001003823	5	6	9	0.01264033	0.020342589
5	6	10	0.000627834	0.001010398	5	6	10	0.012723602	0.020476602
5	6	11	0.000632982	0.001018683	5	6	11	0.012828516	0.020645443
5	6	12	0.000638888	0.001028187	5	6	12	0.012948933	0.020839235
5	6	13	0.000643263	0.001035228	5	6	13	0.013038064	0.020982678
5	6	14	0.000647335	0.001041782	5	6	14	0.013121026	0.021116192
5	6	15	0.000649607	0.001045439	5	6	15	0.013167333	0.021190715
5	6	16	0.000648664	0.001043922	5	6	16	0.013148148	0.02115984
5	6	17	0.000648229	0.001043221	5	6	17	0.01313926	0.021145536
5	6	18	0.000646691	0.001040745	5	6	18	0.013107963	0.021095168
5	6	19	0.000641684	0.001032688	5	6	19	0.013005894	0.020930905
5	6	20	0.00063463	0.001021336	5	6	20	0.012862138	0.020699554
5	6	21	0.000624886	0.001005655	5	6	21	0.012663494	0.020379867
5	6	22	0.000623748	0.001003823	5	6	22	0.01264033	0.020342589
5	6	23	0.000623748	0.001003823	5	6	23	0.01264033	0.020342589
5	6	24	0.000623748	0.001003823	5	6	24	0.01264033	0.020342589
5	8	1	0.000486018	0.000782168	5	8	1	0.009948348	0.016010275
5	8	2	0.000486018	0.000782168	5	8	2	0.009948348	0.016010275
5	8	3	0.000486018	0.000782168	5	8	3	0.009948348	0.016010275
5	8	4	0.000486018	0.000782168	5	8	4	0.009948348	0.016010275
5	8	5	0.000486018	0.000782168	5	8	5	0.009948348	0.016010275
5	8	6	0.000486018	0.000782168	5	8	6	0.009948348	0.016010275
5	8	7	0.000486018	0.000782168	5	8	7	0.009948348	0.016010275
5	8	8	0.000486018	0.000782168	5	8	8	0.009948348	0.016010275
5	8	9	0.000486018	0.000782168	5	8	9	0.009948348	0.016010275
5	8	10	0.000489484	0.000787746	5	8	10	0.010020325	0.01612611
5	8	11	0.000493851	0.000794775	5	8	11	0.010110964	0.016271979
5	8	12	0.000498862	0.000802839	5	8	12	0.010214994	0.016439398
5	8	13	0.000502571	0.000808808	5	8	13	0.010291984	0.016563302
5	8	14	0.000506025	0.000814366	5	8	14	0.010363713	0.016678738
5	8	15	0.000507953	0.000817469	5	8	15	0.010403713	0.016743111
5	8	16	0.000507154	0.000816184	5	8	16	0.010387126	0.016716417
5	8	17	0.000506784	0.000815587	5	8	17	0.010379426	0.016704026
5	8	18	0.000505481	0.00081349	5	8	18	0.010352389	0.016660513
5	8	19	0.000501232	0.000806653	5	8	19	0.010264138	0.016518488
5	8	20	0.000495251	0.000797027	5	8	20	0.010140011	0.016318726
5	8	21	0.000486983	0.000783721	5	8	21	0.009968381	0.016042514
5	8	22	0.000486018	0.000782168	5	8	22	0.009948348	0.016010275
5	8	23	0.000486018	0.000782168	5	8	23	0.009948348	0.016010275
5	8	24	0.000486018	0.000782168	5	8	24	0.009948348	0.016010275

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	11	1	0.000374001	0.000601894	5	11	1	0.007868783	0.012663547
5	11	2	0.000374001	0.000601894	5	11	2	0.007868783	0.012663547
5	11	3	0.000374001	0.000601894	5	11	3	0.007868783	0.012663547
5	11	4	0.000374001	0.000601894	5	11	4	0.007868783	0.012663547
5	11	5	0.000374001	0.000601894	5	11	5	0.007868783	0.012663547
5	11	6	0.000374001	0.000601894	5	11	6	0.007868783	0.012663547
5	11	7	0.000374001	0.000601894	5	11	7	0.007868783	0.012663547
5	11	8	0.000374001	0.000601894	5	11	8	0.007868783	0.012663547
5	11	9	0.000374001	0.000601894	5	11	9	0.007868783	0.012663547
5	11	10	0.000376857	0.000606491	5	11	10	0.007929834	0.012761799
5	11	11	0.000380456	0.000612283	5	11	11	0.008006842	0.012885731
5	11	12	0.000384584	0.000618927	5	11	12	0.008095131	0.013027818
5	11	13	0.000387641	0.000623847	5	11	13	0.008160504	0.013133026
5	11	14	0.000390488	0.000628427	5	11	14	0.008221367	0.013230976
5	11	15	0.000392077	0.000630985	5	11	15	0.008255354	0.013285671
5	11	16	0.000391418	0.000629925	5	11	16	0.008241239	0.013262956
5	11	17	0.000391113	0.000629434	5	11	17	0.008234739	0.013252495
5	11	18	0.000390039	0.000627705	5	11	18	0.008211766	0.013215524
5	11	19	0.000386538	0.000622071	5	11	19	0.008136863	0.013094978
5	11	20	0.000381609	0.000614139	5	11	20	0.008031484	0.012925389
5	11	21	0.000374796	0.000603174	5	11	21	0.007885808	0.012690946
5	11	22	0.000374001	0.000601894	5	11	22	0.007868783	0.012663547
5	11	23	0.000374001	0.000601894	5	11	23	0.007868783	0.012663547
5	11	24	0.000374001	0.000601894	5	11	24	0.007868783	0.012663547
5	7	1	0.000548097	0.000882075	5	7	1	0.011089764	0.017847201
5	7	2	0.000548097	0.000882075	5	7	2	0.011089764	0.017847201
5	7	3	0.000548097	0.000882075	5	7	3	0.011089764	0.017847201
5	7	4	0.000548097	0.000882075	5	7	4	0.011089764	0.017847201
5	7	5	0.000548097	0.000882075	5	7	5	0.011089764	0.017847201
5	7	6	0.000548097	0.000882075	5	7	6	0.011089764	0.017847201
5	7	7	0.000548097	0.000882075	5	7	7	0.011089764	0.017847201
5	7	8	0.000548097	0.000882075	5	7	8	0.011089764	0.017847201
5	7	9	0.000548097	0.000882075	5	7	9	0.011089764	0.017847201
5	7	10	0.000551848	0.000888112	5	7	10	0.011166432	0.017970585
5	7	11	0.000556575	0.000895718	5	7	11	0.011263069	0.018126107
5	7	12	0.000561997	0.000904444	5	7	12	0.011373882	0.018304444
5	7	13	0.00056601	0.000910903	5	7	13	0.011455913	0.018436459
5	7	14	0.000569748	0.000916918	5	7	14	0.011532323	0.018559429
5	7	15	0.000571835	0.000920277	5	7	15	0.011575029	0.018628156
5	7	16	0.00057097	0.000918885	5	7	16	0.011557328	0.018599671
5	7	17	0.000570569	0.000918239	5	7	17	0.011549089	0.018586411
5	7	18	0.000569159	0.00091597	5	7	18	0.011520292	0.018540067
5	7	19	0.000564561	0.000908571	5	7	19	0.011426301	0.018388803
5	7	20	0.000558088	0.000898154	5	7	20	0.011294003	0.018175892
5	7	21	0.000549142	0.000883757	5	7	21	0.011111121	0.017881571
5	7	22	0.000548097	0.000882075	5	7	22	0.011089764	0.017847201
5	7	23	0.000548097	0.000882075	5	7	23	0.011089764	0.017847201
5	7	24	0.000548097	0.000882075	5	7	24	0.011089764	0.017847201

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
1	0	1	0.071475855	0.115028953	1	0	1	0.012510864	0.020134234
1	0	2	0.071475855	0.115028953	1	0	2	0.012510864	0.020134234
1	0	3	0.071475855	0.115028953	1	0	3	0.012510864	0.020134234
1	0	4	0.071475855	0.115028953	1	0	4	0.012510864	0.020134234
1	0	5	0.071475855	0.115028953	1	0	5	0.012510864	0.020134234
1	0	6	0.071475855	0.115028953	1	0	6	0.012510864	0.020134234
1	0	7	0.071475855	0.115028953	1	0	7	0.012510864	0.020134234
1	0	8	0.071475855	0.115028953	1	0	8	0.012510864	0.020134234
1	0	9	0.071475855	0.115028953	1	0	9	0.012510864	0.020134234
1	0	10	0.071571434	0.115182772	1	0	10	0.012546922	0.020192263
1	0	11	0.071817835	0.115579314	1	0	11	0.012592307	0.020265304
1	0	12	0.07210035	0.116033978	1	0	12	0.012644349	0.020349057
1	0	13	0.072309022	0.116369801	1	0	13	0.012682913	0.020411119
1	0	14	0.072503579	0.11668291	1	0	14	0.012718847	0.020468949
1	0	15	0.072612415	0.116858065	1	0	15	0.012738863	0.020501162
1	0	16	0.0725673	0.116785458	1	0	16	0.012730579	0.020487831
1	0	17	0.072546422	0.116751858	1	0	17	0.012726676	0.020481548
1	0	18	0.072473107	0.116633869	1	0	18	0.012713136	0.020459758
1	0	19	0.072233464	0.116248203	1	0	19	0.012669023	0.020388765
1	0	20	0.071896792	0.115706383	1	0	20	0.012606836	0.020288686
1	0	21	0.071475855	0.115028953	1	0	21	0.012520898	0.020150382
1	0	22	0.071475855	0.115028953	1	0	22	0.012510864	0.020134234
1	0	23	0.071475855	0.115028953	1	0	23	0.012510864	0.020134234
1	0	24	0.071475855	0.115028953	1	0	24	0.012510864	0.020134234
2	1	1	0.038710906	0.06229901	2	1	1	0.006649772	0.010701745
2	1	2	0.038710906	0.06229901	2	1	2	0.006649772	0.010701745
2	1	3	0.038710906	0.06229901	2	1	3	0.006649772	0.010701745
2	1	4	0.038710906	0.06229901	2	1	4	0.006649772	0.010701745
2	1	5	0.038710906	0.06229901	2	1	5	0.006649772	0.010701745
2	1	6	0.038710906	0.06229901	2	1	6	0.006649772	0.010701745
2	1	7	0.038710906	0.06229901	2	1	7	0.006649772	0.010701745
2	1	8	0.038710906	0.06229901	2	1	8	0.006649772	0.010701745
2	1	9	0.038710906	0.06229901	2	1	9	0.006649772	0.010701745
2	1	10	0.038844761	0.062514427	2	1	10	0.006689711	0.01076602
2	1	11	0.039113576	0.062947042	2	1	11	0.006740042	0.010847019
2	1	12	0.03943625	0.063466334	2	1	12	0.006797751	0.010939892
2	1	13	0.039682175	0.063862111	2	1	13	0.00684048	0.011008659
2	1	14	0.039911156	0.06423062	2	1	14	0.006880292	0.011072729
2	1	15	0.040039056	0.064436455	2	1	15	0.006902518	0.011108498
2	1	16	0.039986039	0.064351133	2	1	16	0.006893309	0.011093678
2	1	17	0.039961497	0.064311635	2	1	17	0.006889084	0.011086878
2	1	18	0.039875079	0.064172559	2	1	18	0.006874051	0.011062685
2	1	19	0.039593379	0.063719208	2	1	19	0.006825083	0.01098388
2	1	20	0.039199739	0.063085708	2	1	20	0.00675615	0.010872943
2	1	21	0.038710906	0.06229901	2	1	21	0.006660941	0.010719719
2	1	22	0.038710906	0.06229901	2	1	22	0.006649772	0.010701745
2	1	23	0.038710906	0.06229901	2	1	23	0.006649772	0.010701745
2	1	24	0.038710906	0.06229901	2	1	24	0.006649772	0.010701745
2	5	1	0.007092813	0.011414748	2	5	1	0.00118868	0.00191299
2	5	2	0.007092813	0.011414748	2	5	2	0.00118868	0.00191299
2	5	3	0.007092813	0.011414748	2	5	3	0.00118868	0.00191299
2	5	4	0.007092813	0.011414748	2	5	4	0.00118868	0.00191299
2	5	5	0.007092813	0.011414748	2	5	5	0.00118868	0.00191299
2	5	6	0.007092813	0.011414748	2	5	6	0.00118868	0.00191299
2	5	7	0.007092813	0.011414748	2	5	7	0.00118868	0.00191299
2	5	8	0.007092813	0.011414748	2	5	8	0.00118868	0.00191299
2	5	9	0.007092813	0.011414748	2	5	9	0.00118868	0.00191299
2	5	10	0.007113463	0.01144798	2	5	10	0.001197426	0.001927066
2	5	11	0.007171251	0.011540982	2	5	11	0.001208452	0.00194481
2	5	12	0.007245447	0.011660388	2	5	12	0.001221108	0.001965177
2	5	13	0.007300545	0.011749058	2	5	13	0.001230468	0.001980241
2	5	14	0.007351793	0.011831535	2	5	14	0.001239188	0.001994275
2	5	15	0.007380393	0.011877561	2	5	15	0.00124406	0.002002116
2	5	16	0.007368553	0.011858507	2	5	16	0.001242038	0.001998862
2	5	17	0.007363053	0.011849656	2	5	17	0.001241106	0.001997362
2	5	18	0.007343694	0.011818501	2	5	18	0.001237815	0.001992065
2	5	19	0.007280623	0.011716998	2	5	19	0.001227089	0.001974804
2	5	20	0.007191808	0.011574065	2	5	20	0.001211988	0.001950501
2	5	21	0.007092813	0.011414748	2	5	21	0.001191113	0.001916906
2	5	22	0.007092813	0.011414748	2	5	22	0.00118868	0.00191299
2	5	23	0.007092813	0.011414748	2	5	23	0.00118868	0.00191299

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	5	24	0.007092813	0.011414748	2	5	24	0.00118868	0.00191299
2	6	1	0.006009317	0.009671035	2	6	1	0.00100515	0.001617628
2	6	2	0.006009317	0.009671035	2	6	2	0.00100515	0.001617628
2	6	3	0.006009317	0.009671035	2	6	3	0.00100515	0.001617628
2	6	4	0.006009317	0.009671035	2	6	4	0.00100515	0.001617628
2	6	5	0.006009317	0.009671035	2	6	5	0.00100515	0.001617628
2	6	6	0.006009317	0.009671035	2	6	6	0.00100515	0.001617628
2	6	7	0.006009317	0.009671035	2	6	7	0.00100515	0.001617628
2	6	8	0.006009317	0.009671035	2	6	8	0.00100515	0.001617628
2	6	9	0.006009317	0.009671034	2	6	9	0.00100515	0.001617628
2	6	10	0.006026349	0.009698445	2	6	10	0.00101263	0.001629666
2	6	11	0.006075739	0.009777929	2	6	11	0.001022059	0.001644841
2	6	12	0.006139436	0.009880439	2	6	12	0.001032879	0.001662254
2	6	13	0.006186579	0.009956308	2	6	13	0.001040883	0.001675135
2	6	14	0.006230509	0.010027008	2	6	14	0.001048344	0.001687141
2	6	15	0.00625503	0.01006647	2	6	15	0.001052502	0.001693834
2	6	16	0.006244874	0.010050126	2	6	16	0.00105078	0.001691063
2	6	17	0.006240161	0.010042541	2	6	17	0.00104998	0.001689775
2	6	18	0.006223597	0.010015884	2	6	18	0.001047164	0.001685243
2	6	19	0.006169558	0.009928917	2	6	19	0.001037992	0.001670483
2	6	20	0.006093515	0.009806537	2	6	20	0.001025081	0.001649703
2	6	21	0.006009317	0.009671035	2	6	21	0.001007229	0.001620975
2	6	22	0.006009317	0.009671035	2	6	22	0.00100515	0.001617628
2	6	23	0.006009317	0.009671035	2	6	23	0.00100515	0.001617628
2	6	24	0.006009317	0.009671035	2	6	24	0.00100515	0.001617628
2	7	1	0.005306757	0.008540376	2	7	1	0.000885885	0.00142569
2	7	2	0.005306757	0.008540376	2	7	2	0.000885885	0.00142569
2	7	3	0.005306757	0.008540376	2	7	3	0.000885885	0.00142569
2	7	4	0.005306757	0.008540376	2	7	4	0.000885885	0.00142569
2	7	5	0.005306757	0.008540376	2	7	5	0.000885885	0.00142569
2	7	6	0.005306757	0.008540376	2	7	6	0.000885885	0.00142569
2	7	7	0.005306757	0.008540376	2	7	7	0.000885885	0.00142569
2	7	8	0.005306757	0.008540376	2	7	8	0.000885885	0.00142569
2	7	9	0.005306757	0.008540376	2	7	9	0.000885885	0.00142569
2	7	10	0.005320916	0.008563163	2	7	10	0.00089246	0.001436272
2	7	11	0.005364308	0.008632996	2	7	11	0.00090075	0.001449614
2	7	12	0.005420393	0.008723255	2	7	12	0.000910257	0.001464914
2	7	13	0.005461946	0.008790129	2	7	13	0.000917301	0.001476249
2	7	14	0.005500599	0.008852334	2	7	14	0.000923851	0.00148679
2	7	15	0.005522214	0.00888712	2	7	15	0.000927512	0.001492682
2	7	16	0.005513266	0.008872719	2	7	16	0.000925998	0.001490246
2	7	17	0.005509115	0.008866039	2	7	17	0.000925295	0.001489114
2	7	18	0.005494525	0.008842558	2	7	18	0.00092282	0.00148513
2	7	19	0.005446939	0.008765977	2	7	19	0.000914758	0.001472156
2	7	20	0.005379967	0.008658196	2	7	20	0.000903405	0.001453886
2	7	21	0.005306757	0.008540376	2	7	21	0.000887713	0.001428633
2	7	22	0.005306757	0.008540376	2	7	22	0.000885885	0.00142569
2	7	23	0.005306757	0.008540376	2	7	23	0.000885885	0.00142569
2	7	24	0.005306757	0.008540376	2	7	24	0.000885885	0.00142569
2	8	1	0.004786206	0.007702632	2	8	1	0.000799553	0.001286752
2	8	2	0.004786206	0.007702632	2	8	2	0.000799553	0.001286752
2	8	3	0.004786206	0.007702632	2	8	3	0.000799553	0.001286752
2	8	4	0.004786206	0.007702632	2	8	4	0.000799553	0.001286752
2	8	5	0.004786206	0.007702632	2	8	5	0.000799553	0.001286752
2	8	6	0.004786206	0.007702632	2	8	6	0.000799553	0.001286752
2	8	7	0.004786206	0.007702632	2	8	7	0.000799553	0.001286752
2	8	8	0.004786206	0.007702632	2	8	8	0.000799553	0.001286752
2	8	9	0.004786206	0.007702632	2	8	9	0.000799553	0.001286752
2	8	10	0.004799492	0.007724015	2	8	10	0.000805567	0.001296431
2	8	11	0.00483942	0.007788272	2	8	11	0.000813147	0.001308631
2	8	12	0.004890647	0.007870715	2	8	12	0.000821844	0.001322627
2	8	13	0.004928598	0.00793179	2	8	13	0.000828279	0.001332982
2	8	14	0.004963931	0.007988653	2	8	14	0.000834274	0.00134263
2	8	15	0.004983635	0.008020363	2	8	15	0.000837622	0.001348019
2	8	16	0.004975458	0.008007203	2	8	16	0.00083624	0.001345795
2	8	17	0.004971682	0.008001126	2	8	17	0.000835593	0.001344754
2	8	18	0.004958344	0.007979662	2	8	18	0.000833335	0.001341119
2	8	19	0.004914914	0.007909767	2	8	19	0.000825959	0.001329248
2	8	20	0.004853739	0.007811316	2	8	20	0.000815577	0.001312541
2	8	21	0.004786206	0.007702632	2	8	21	0.000801225	0.001289444
2	8	22	0.004786206	0.007702632	2	8	22	0.000799553	0.001286752

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
2	8	23	0.004786206	0.007702632	2	8	23	0.000799553	0.001286752
2	8	24	0.004786206	0.007702632	2	8	24	0.000799553	0.001286752
2	10	1	0.004088893	0.00658042	2	10	1	0.000684246	0.001101184
2	10	2	0.004088893	0.00658042	2	10	2	0.000684246	0.001101184
2	10	3	0.004088893	0.00658042	2	10	3	0.000684246	0.001101184
2	10	4	0.004088893	0.00658042	2	10	4	0.000684246	0.001101184
2	10	5	0.004088893	0.00658042	2	10	5	0.000684246	0.001101184
2	10	6	0.004088893	0.00658042	2	10	6	0.000684246	0.001101184
2	10	7	0.004088893	0.00658042	2	10	7	0.000684246	0.001101184
2	10	8	0.004088893	0.00658042	2	10	8	0.000684246	0.001101184
2	10	9	0.004088893	0.00658042	2	10	9	0.000684246	0.001101184
2	10	10	0.004101203	0.006600231	2	10	10	0.000689527	0.001109683
2	10	11	0.00413667	0.006657309	2	10	11	0.00069618	0.00112039
2	10	12	0.004181531	0.006729506	2	10	12	0.000703812	0.001132673
2	10	13	0.004214744	0.006782956	2	10	13	0.000709467	0.001141774
2	10	14	0.004245674	0.006832733	2	10	14	0.000714724	0.001150234
2	10	15	0.004262933	0.006860509	2	10	15	0.000717666	0.001154968
2	10	16	0.00425578	0.006848996	2	10	16	0.000716447	0.001153007
2	10	17	0.004252464	0.006843661	2	10	17	0.000715881	0.001152097
2	10	18	0.004240793	0.006824878	2	10	18	0.000713899	0.001148906
2	10	19	0.004202753	0.006763658	2	10	19	0.000707425	0.001138487
2	10	20	0.004149196	0.006677466	2	10	20	0.00069831	0.001123818
2	10	21	0.004088893	0.00658042	2	10	21	0.000685717	0.001103551
2	10	22	0.004088893	0.00658042	2	10	22	0.000684246	0.001101184
2	10	23	0.004088893	0.00658042	2	10	23	0.000684246	0.001101184
2	10	24	0.004088893	0.00658042	2	10	24	0.000684246	0.001101184
2	11	1	0.003818591	0.006145412	2	11	1	0.000638684	0.00102786
2	11	2	0.003818591	0.006145412	2	11	2	0.000638684	0.00102786
2	11	3	0.003818591	0.006145412	2	11	3	0.000638684	0.00102786
2	11	4	0.003818591	0.006145412	2	11	4	0.000638684	0.00102786
2	11	5	0.003818591	0.006145412	2	11	5	0.000638684	0.00102786
2	11	6	0.003818591	0.006145412	2	11	6	0.000638684	0.00102786
2	11	7	0.003818591	0.006145412	2	11	7	0.000638684	0.00102786
2	11	8	0.003818591	0.006145412	2	11	8	0.000638684	0.00102786
2	11	9	0.003818591	0.006145412	2	11	9	0.000638684	0.00102786
2	11	10	0.003830301	0.006164256	2	11	10	0.000643673	0.001035889
2	11	11	0.003863985	0.006218466	2	11	11	0.000649967	0.001046018
2	11	12	0.003906406	0.006286736	2	11	12	0.000657185	0.001057634
2	11	13	0.003937807	0.00633727	2	11	13	0.000662525	0.001066228
2	11	14	0.003967051	0.006384333	2	11	14	0.000667501	0.001074237
2	11	15	0.003983373	0.006410601	2	11	15	0.000670279	0.001078707
2	11	16	0.003976609	0.006399716	2	11	16	0.000669127	0.001076853
2	11	17	0.003973477	0.006394675	2	11	17	0.000668592	0.001075992
2	11	18	0.003962443	0.006376919	2	11	18	0.000666719	0.001072978
2	11	19	0.003926471	0.006319027	2	11	19	0.000660598	0.001063126
2	11	20	0.003875829	0.006237527	2	11	20	0.000651981	0.00104926
2	11	21	0.003818591	0.006145412	2	11	21	0.000640076	0.001030099
2	11	22	0.003818591	0.006145412	2	11	22	0.000638684	0.00102786
2	11	23	0.003818591	0.006145412	2	11	23	0.000638684	0.00102786
2	11	24	0.003818591	0.006145412	2	11	24	0.000638684	0.00102786

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	13	1	0.003405779	0.005481057	2	13	1	0.000568787	0.000915372
2	13	2	0.003405779	0.005481057	2	13	2	0.000568787	0.000915372
2	13	3	0.003405779	0.005481057	2	13	3	0.000568787	0.000915372
2	13	4	0.003405779	0.005481056	2	13	4	0.000568787	0.000915372
2	13	5	0.003405779	0.005481057	2	13	5	0.000568787	0.000915372
2	13	6	0.003405779	0.005481057	2	13	6	0.000568787	0.000915372
2	13	7	0.003405779	0.005481057	2	13	7	0.000568787	0.000915372
2	13	8	0.003405779	0.005481057	2	13	8	0.000568787	0.000915372
2	13	9	0.003405779	0.005481057	2	13	9	0.000568787	0.000915372
2	13	10	0.003416495	0.005498302	2	13	10	0.000573333	0.000922688
2	13	11	0.003447395	0.00554803	2	13	11	0.000579059	0.000931903
2	13	12	0.003486042	0.005610227	2	13	12	0.000585629	0.000942476
2	13	13	0.003514646	0.005656261	2	13	13	0.000590492	0.000950303
2	13	14	0.003541283	0.005699129	2	13	14	0.000595022	0.000957593
2	13	15	0.00355616	0.00572307	2	13	15	0.000597549	0.000961659
2	13	16	0.003549995	0.00571315	2	13	16	0.0005965	0.000959971
2	13	17	0.003547144	0.005708561	2	13	17	0.000596017	0.000959193
2	13	18	0.00353709	0.00569238	2	13	18	0.000594306	0.00095644
2	13	19	0.003504324	0.005639648	2	13	19	0.000588738	0.000947479
2	13	20	0.00345819	0.005565403	2	13	20	0.000580893	0.000934854
2	13	21	0.003405779	0.005481057	2	13	21	0.000570054	0.00091741
2	13	22	0.003405779	0.005481057	2	13	22	0.000568787	0.000915372
2	13	23	0.003405779	0.005481057	2	13	23	0.000568787	0.000915372
2	13	24	0.003405779	0.005481057	2	13	24	0.000568787	0.000915372
3	1	1	0.038710906	0.06229901	3	1	1	0.006649772	0.010701745
3	1	2	0.038710906	0.06229901	3	1	2	0.006649772	0.010701745
3	1	3	0.038710906	0.06229901	3	1	3	0.006649772	0.010701745
3	1	4	0.038710906	0.06229901	3	1	4	0.006649772	0.010701745
3	1	5	0.038710906	0.06229901	3	1	5	0.006649772	0.010701745
3	1	6	0.038710906	0.06229901	3	1	6	0.006649772	0.010701745
3	1	7	0.038710906	0.06229901	3	1	7	0.006649772	0.010701745
3	1	8	0.038710906	0.06229901	3	1	8	0.006649772	0.010701745
3	1	9	0.038710906	0.06229901	3	1	9	0.006649772	0.010701745
3	1	10	0.038844761	0.062514427	3	1	10	0.006689711	0.01076602
3	1	11	0.039113576	0.062947042	3	1	11	0.006740042	0.010847019
3	1	12	0.03943625	0.063466334	3	1	12	0.006797751	0.010939892
3	1	13	0.039682175	0.063862111	3	1	13	0.00684048	0.011008659
3	1	14	0.039911156	0.06423062	3	1	14	0.006880292	0.011072729
3	1	15	0.040039056	0.064436455	3	1	15	0.006902518	0.011108498
3	1	16	0.039986039	0.064351133	3	1	16	0.006893309	0.011093678
3	1	17	0.039961497	0.064311635	3	1	17	0.006889084	0.011086878
3	1	18	0.039875079	0.064172559	3	1	18	0.006874051	0.011062685
3	1	19	0.039593379	0.063719208	3	1	19	0.006825083	0.01098388
3	1	20	0.039199686	0.063085623	3	1	20	0.00675615	0.010872943
3	1	21	0.038710906	0.06229901	3	1	21	0.006660941	0.010719719
3	1	22	0.038710906	0.06229901	3	1	22	0.006649772	0.010701745
3	1	23	0.038710906	0.06229901	3	1	23	0.006649772	0.010701745
3	1	24	0.038710906	0.06229901	3	1	24	0.006649772	0.010701745
3	7	1	0.005452398	0.008774762	3	7	1	0.000900261	0.001448826
3	7	2	0.005452398	0.008774762	3	7	2	0.000900261	0.001448826
3	7	3	0.005452398	0.008774762	3	7	3	0.000900261	0.001448826
3	7	4	0.005452398	0.008774762	3	7	4	0.000900261	0.001448826
3	7	5	0.005452398	0.008774762	3	7	5	0.000900261	0.001448826
3	7	6	0.005452398	0.008774762	3	7	6	0.000900261	0.001448826
3	7	7	0.005452398	0.008774762	3	7	7	0.000900261	0.001448826
3	7	8	0.005452398	0.008774762	3	7	8	0.000900261	0.001448826
3	7	9	0.005452398	0.008774762	3	7	9	0.000900261	0.001448826
3	7	10	0.005461429	0.008789296	3	7	10	0.000906549	0.001458946
3	7	11	0.005502337	0.008855131	3	7	11	0.000914477	0.001471705
3	7	12	0.005556656	0.008942549	3	7	12	0.000923568	0.001486335
3	7	13	0.005596918	0.009007344	3	7	13	0.000930297	0.001497164
3	7	14	0.005634377	0.009067629	3	7	14	0.000936566	0.001507253
3	7	15	0.005655299	0.009101299	3	7	15	0.000940065	0.001512884
3	7	16	0.00564662	0.009087331	3	7	16	0.000938614	0.001510549
3	7	17	0.005642621	0.009080896	3	7	17	0.000937942	0.001509468
3	7	18	0.005628461	0.009058107	3	7	18	0.000935579	0.001505665
3	7	19	0.005582361	0.008983917	3	7	19	0.000927865	0.001493251
3	7	20	0.00551748	0.008879502	3	7	20	0.000917016	0.00147579
3	7	21	0.005452398	0.008774762	3	7	21	0.000902013	0.001451646
3	7	22	0.005452398	0.008774762	3	7	22	0.000900261	0.001448826
3	7	23	0.005452399	0.008774763	3	7	23	0.000900261	0.001448826
3	7	24	0.005452398	0.008774762	3	7	24	0.000900261	0.001448826

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
3	8	1	0.004880137	0.0078538	3	8	1	0.000807993	0.001300336
3	8	2	0.004880137	0.0078538	3	8	2	0.000807993	0.001300336
3	8	3	0.004880137	0.0078538	3	8	3	0.000807993	0.001300336
3	8	4	0.004880137	0.0078538	3	8	4	0.000807993	0.001300336
3	8	5	0.004880137	0.0078538	3	8	5	0.000807993	0.001300336
3	8	6	0.004880137	0.0078538	3	8	6	0.000807993	0.001300336
3	8	7	0.004880137	0.0078538	3	8	7	0.000807993	0.001300336
3	8	8	0.004880137	0.0078538	3	8	8	0.000807993	0.001300336
3	8	9	0.004880137	0.0078538	3	8	9	0.000807993	0.001300336
3	8	10	0.004889744	0.00786926	3	8	10	0.000813804	0.001309687
3	8	11	0.004927845	0.007930578	3	8	11	0.000821122	0.001321464
3	8	12	0.004977847	0.008011048	3	8	12	0.000829516	0.001334973
3	8	13	0.005014836	0.008070576	3	8	13	0.000835733	0.001344979
3	8	14	0.005049295	0.008126033	3	8	14	0.000841525	0.001354299
3	8	15	0.005068564	0.008157043	3	8	15	0.000844752	0.001359494
3	8	16	0.005060568	0.008144175	3	8	16	0.000843414	0.00135734
3	8	17	0.005056902	0.008138275	3	8	17	0.000842789	0.001356335
3	8	18	0.005043893	0.008117339	3	8	18	0.000840607	0.001352822
3	8	19	0.005001478	0.008049078	3	8	19	0.000833488	0.001341366
3	8	20	0.004941814	0.007953058	3	8	20	0.000823467	0.001325239
3	8	21	0.004880137	0.0078538	3	8	21	0.000809613	0.001302943
3	8	22	0.004880137	0.0078538	3	8	22	0.000807993	0.001300336
3	8	23	0.004880137	0.0078538	3	8	23	0.000807993	0.001300336
3	8	24	0.004880137	0.0078538	3	8	24	0.000807993	0.001300336
3	10	1	0.004109038	0.006612838	3	10	1	0.000684336	0.001101329
3	10	2	0.004109038	0.006612838	3	10	2	0.000684336	0.001101329
3	10	3	0.004109038	0.006612838	3	10	3	0.000684336	0.001101329
3	10	4	0.004109038	0.006612838	3	10	4	0.000684336	0.001101329
3	10	5	0.004109038	0.006612838	3	10	5	0.000684336	0.001101329
3	10	6	0.004109038	0.006612838	3	10	6	0.000684336	0.001101329
3	10	7	0.004109038	0.006612838	3	10	7	0.000684336	0.001101329
3	10	8	0.004109038	0.006612838	3	10	8	0.000684336	0.001101329
3	10	9	0.004109038	0.006612838	3	10	9	0.000684336	0.001101329
3	10	10	0.004119441	0.006629582	3	10	10	0.000689459	0.001109574
3	10	11	0.004153604	0.006684561	3	10	11	0.00069591	0.001119956
3	10	12	0.004197373	0.006755	3	10	12	0.000703321	0.001131883
3	10	13	0.004229781	0.006807156	3	10	13	0.000708804	0.001140707
3	10	14	0.00425995	0.006855708	3	10	14	0.000713909	0.001148922
3	10	15	0.004276791	0.00688281	3	10	15	0.000716756	0.001153505
3	10	16	0.004269814	0.006871583	3	10	16	0.000715577	0.001151607
3	10	17	0.00426658	0.006866378	3	10	17	0.000715026	0.00115072
3	10	18	0.004255198	0.00684806	3	10	18	0.000713102	0.001147624
3	10	19	0.004218082	0.006788328	3	10	19	0.00070682	0.001137514
3	10	20	0.004165831	0.006704238	3	10	20	0.000697981	0.001123289
3	10	21	0.004109038	0.006612838	3	10	21	0.000685763	0.001103625
3	10	22	0.004109038	0.006612838	3	10	22	0.000684336	0.001101329
3	10	23	0.004109038	0.006612838	3	10	23	0.000684336	0.001101329
3	10	24	0.004109038	0.006612838	3	10	24	0.000684336	0.001101329
3	11	1	0.003838816	0.006177961	3	11	1	0.000640688	0.001031085
3	11	2	0.003838816	0.006177961	3	11	2	0.000640688	0.001031085
3	11	3	0.003838816	0.006177961	3	11	3	0.000640688	0.001031085
3	11	4	0.003838816	0.006177961	3	11	4	0.000640688	0.001031085
3	11	5	0.003838816	0.006177961	3	11	5	0.000640688	0.001031085
3	11	6	0.003838816	0.006177961	3	11	6	0.000640688	0.001031085
3	11	7	0.003838816	0.006177961	3	11	7	0.000640688	0.001031085
3	11	8	0.003838816	0.006177961	3	11	8	0.000640688	0.001031085
3	11	9	0.003838816	0.006177961	3	11	9	0.000640688	0.001031085
3	11	10	0.003849433	0.006195047	3	11	10	0.000645574	0.001038948
3	11	11	0.003882217	0.006247806	3	11	11	0.000651727	0.001048851
3	11	12	0.003923817	0.006314755	3	11	12	0.000658784	0.001060208
3	11	13	0.003954611	0.006364313	3	11	13	0.000664011	0.001068619
3	11	14	0.003983294	0.006410474	3	11	14	0.000668872	0.001076443
3	11	15	0.003999303	0.006436239	3	11	15	0.000671588	0.001080813
3	11	16	0.003992663	0.006425552	3	11	16	0.000670462	0.001079002
3	11	17	0.003989589	0.006420605	3	11	17	0.000669942	0.001078165
3	11	18	0.003978771	0.006403196	3	11	18	0.000668106	0.001075209
3	11	19	0.003943495	0.006346424	3	11	19	0.000662124	0.001065583
3	11	20	0.003893832	0.006266499	3	11	20	0.000653695	0.001052018
3	11	21	0.003838816	0.006177961	3	11	21	0.000642049	0.001033274
3	11	22	0.003838816	0.006177961	3	11	22	0.000640688	0.001031085
3	11	23	0.003838816	0.006177961	3	11	23	0.000640688	0.001031085
3	11	24	0.003838816	0.006177961	3	11	24	0.000640688	0.001031085

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	6	1	0.006220035	0.010010152	5	6	1	0.001026697	0.001652304
5	6	2	0.006220035	0.010010152	5	6	2	0.001026697	0.001652304
5	6	3	0.006220035	0.010010152	5	6	3	0.001026697	0.001652304
5	6	4	0.006220035	0.010010152	5	6	4	0.001026697	0.001652304
5	6	5	0.006220035	0.010010152	5	6	5	0.001026697	0.001652304
5	6	6	0.006220035	0.010010152	5	6	6	0.001026697	0.001652304
5	6	7	0.006220035	0.010010152	5	6	7	0.001026697	0.001652304
5	6	8	0.006220035	0.010010152	5	6	8	0.001026697	0.001652304
5	6	9	0.006220035	0.010010152	5	6	9	0.001026697	0.001652304
5	6	10	0.006228742	0.010024164	5	6	10	0.001033528	0.001663299
5	6	11	0.006273193	0.0100957	5	6	11	0.001042133	0.001677147
5	6	12	0.006331924	0.010190219	5	6	12	0.001052015	0.00169305
5	6	13	0.006375759	0.010260764	5	6	13	0.001059325	0.001704814
5	6	14	0.006416532	0.010326382	5	6	14	0.001066136	0.001715776
5	6	15	0.006439307	0.010363034	5	6	15	0.001069936	0.001721891
5	6	16	0.00642989	0.010347879	5	6	16	0.001068363	0.001719359
5	6	17	0.006425499	0.010340812	5	6	17	0.001067633	0.001718185
5	6	18	0.006410107	0.010316042	5	6	18	0.001065061	0.001714046
5	6	19	0.006359928	0.010235286	5	6	19	0.001056688	0.001700571
5	6	20	0.00628927	0.010121573	5	6	20	0.001044895	0.001681591
5	6	21	0.006220035	0.010010152	5	6	21	0.001028597	0.001655362
5	6	22	0.006220035	0.010010152	5	6	22	0.001026697	0.001652304
5	6	23	0.006220035	0.010010152	5	6	23	0.001026697	0.001652304
5	6	24	0.006220035	0.010010152	5	6	24	0.001026697	0.001652304
5	8	1	0.004873427	0.007843002	5	8	1	0.00080753	0.00129959
5	8	2	0.004873427	0.007843002	5	8	2	0.00080753	0.00129959
5	8	3	0.004873427	0.007843002	5	8	3	0.00080753	0.00129959
5	8	4	0.004873427	0.007843002	5	8	4	0.00080753	0.00129959
5	8	5	0.004873427	0.007843002	5	8	5	0.00080753	0.00129959
5	8	6	0.004873427	0.007843002	5	8	6	0.00080753	0.00129959
5	8	7	0.004873427	0.007843002	5	8	7	0.00080753	0.00129959
5	8	8	0.004873427	0.007843002	5	8	8	0.00080753	0.00129959
5	8	9	0.004873427	0.007843002	5	8	9	0.00080753	0.00129959
5	8	10	0.004883773	0.00785965	5	8	10	0.000813435	0.001309094
5	8	11	0.004922653	0.007922222	5	8	11	0.000820877	0.001321071
5	8	12	0.004973429	0.008003938	5	8	12	0.000829412	0.001334806
5	8	13	0.005010988	0.008064383	5	8	13	0.000835736	0.001344983
5	8	14	0.005045979	0.008120696	5	8	14	0.000841622	0.001354457
5	8	15	0.005065531	0.008152161	5	8	15	0.000844901	0.001359733
5	8	16	0.005057423	0.008139113	5	8	16	0.000843546	0.001357552
5	8	17	0.005053694	0.008133112	5	8	17	0.000842915	0.001356536
5	8	18	0.005040471	0.008111832	5	8	18	0.000840693	0.00135296
5	8	19	0.004997416	0.008042541	5	8	19	0.000833451	0.001341307
5	8	20	0.00493683	0.007945038	5	8	20	0.000823262	0.001324908
5	8	21	0.004873427	0.007843002	5	8	21	0.000809172	0.001302233
5	8	22	0.004873427	0.007843002	5	8	22	0.00080753	0.00129959
5	8	23	0.004873427	0.007843002	5	8	23	0.00080753	0.00129959
5	8	24	0.004873427	0.007843002	5	8	24	0.00080753	0.00129959

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	11	1	0.003824058	0.006154209	5	11	1	0.000638466	0.001027508
5	11	2	0.003824058	0.006154209	5	11	2	0.000638466	0.001027508
5	11	3	0.003824063	0.006154218	5	11	3	0.000638466	0.001027508
5	11	4	0.003824058	0.006154209	5	11	4	0.000638466	0.001027508
5	11	5	0.003824058	0.006154209	5	11	5	0.000638466	0.001027508
5	11	6	0.003824058	0.006154209	5	11	6	0.000638466	0.001027508
5	11	7	0.003824058	0.006154209	5	11	7	0.000638466	0.001027508
5	11	8	0.003824058	0.006154209	5	11	8	0.000638466	0.001027508
5	11	9	0.003824058	0.006154209	5	11	9	0.000638466	0.001027508
5	11	10	0.003835558	0.006172716	5	11	10	0.000643488	0.001035591
5	11	11	0.003869399	0.006227179	5	11	11	0.000649809	0.001045763
5	11	12	0.003912113	0.00629592	5	11	12	0.000657062	0.001057436
5	11	13	0.003943737	0.006346814	5	11	13	0.000662431	0.001066077
5	11	14	0.003973186	0.006394207	5	11	14	0.000667435	0.00107413
5	11	15	0.003989621	0.006420657	5	11	15	0.000670222	0.001078615
5	11	16	0.003982811	0.006409697	5	11	16	0.000669067	0.001076756
5	11	17	0.003979656	0.006404619	5	11	17	0.000668529	0.00107589
5	11	18	0.003968544	0.006386737	5	11	18	0.000666645	0.001072858
5	11	19	0.003932326	0.00632845	5	11	19	0.000660496	0.001062963
5	11	20	0.003881325	0.006246372	5	11	20	0.000651835	0.001049024
5	11	21	0.003824058	0.006154209	5	11	21	0.000639867	0.001029764
5	11	22	0.003824058	0.006154209	5	11	22	0.000638466	0.001027508
5	11	23	0.003824058	0.006154209	5	11	23	0.000638466	0.001027508
5	11	24	0.003824058	0.006154209	5	11	24	0.000638466	0.001027508
5	7	1	0.005452398	0.008774762	5	7	1	0.000900261	0.001448826
5	7	2	0.005452398	0.008774762	5	7	2	0.000900261	0.001448826
5	7	3	0.005452398	0.008774762	5	7	3	0.000900261	0.001448826
5	7	4	0.005452398	0.008774762	5	7	4	0.000900261	0.001448826
5	7	5	0.005452398	0.008774762	5	7	5	0.000900261	0.001448826
5	7	6	0.005452398	0.008774762	5	7	6	0.000900261	0.001448826
5	7	7	0.005452398	0.008774762	5	7	7	0.000900261	0.001448826
5	7	8	0.005452398	0.008774762	5	7	8	0.000900261	0.001448826
5	7	9	0.005452398	0.008774762	5	7	9	0.000900261	0.001448826
5	7	10	0.005461429	0.008789296	5	7	10	0.000906549	0.001458946
5	7	11	0.005502337	0.008855131	5	7	11	0.000914477	0.001471705
5	7	12	0.005556656	0.008942549	5	7	12	0.000923568	0.001486335
5	7	13	0.005596918	0.009007344	5	7	13	0.000930297	0.001497164
5	7	14	0.005634377	0.009067629	5	7	14	0.000936566	0.001507253
5	7	15	0.005655299	0.009101299	5	7	15	0.000940065	0.001512884
5	7	16	0.00564662	0.009087331	5	7	16	0.000938614	0.001510549
5	7	17	0.005642621	0.009080896	5	7	17	0.000937942	0.001509468
5	7	18	0.005628461	0.009058107	5	7	18	0.000935579	0.001505665
5	7	19	0.005582361	0.008983917	5	7	19	0.000927865	0.001493251
5	7	20	0.00551748	0.008879502	5	7	20	0.000917016	0.00147579
5	7	21	0.005452398	0.008774762	5	7	21	0.000902013	0.001451646
5	7	22	0.005452398	0.008774762	5	7	22	0.000900261	0.001448826
5	7	23	0.005452398	0.008774762	5	7	23	0.000900261	0.001448826
5	7	24	0.005452398	0.008774762	5	7	24	0.000900261	0.001448826

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
1	0	1	0.018773466	0.030212889	1	0	1	8.61651E-05	0.000138669
1	0	2	0.018773466	0.030212889	1	0	2	8.61651E-05	0.000138669
1	0	3	0.018773466	0.030212889	1	0	3	8.61651E-05	0.000138669
1	0	4	0.018773466	0.030212889	1	0	4	8.61651E-05	0.000138669
1	0	5	0.018773466	0.030212889	1	0	5	8.61651E-05	0.000138669
1	0	6	0.018773466	0.030212889	1	0	6	8.61651E-05	0.000138669
1	0	7	0.018773466	0.030212889	1	0	7	8.61651E-05	0.000138669
1	0	8	0.018773466	0.030212889	1	0	8	8.61651E-05	0.000138669
1	0	9	0.018773466	0.030212889	1	0	9	8.61651E-05	0.000138669
1	0	10	0.018773466	0.030212889	1	0	10	8.61652E-05	0.000138669
1	0	11	0.018773466	0.030212889	1	0	11	8.61653E-05	0.000138669
1	0	12	0.018773466	0.030212889	1	0	12	8.61654E-05	0.000138669
1	0	13	0.018773466	0.030212889	1	0	13	8.61655E-05	0.00013867
1	0	14	0.018891881	0.03040346	1	0	14	8.61661E-05	0.000138671
1	0	15	0.019026658	0.030620361	1	0	15	8.61662E-05	0.000138671
1	0	16	0.018970777	0.030530431	1	0	16	8.61661E-05	0.000138671
1	0	17	0.018944944	0.030488856	1	0	17	8.61661E-05	0.000138671
1	0	18	0.01885383	0.030342223	1	0	18	8.61661E-05	0.000138671
1	0	19	0.018773466	0.030212889	1	0	19	8.61655E-05	0.00013867
1	0	20	0.018773466	0.030212889	1	0	20	8.61654E-05	0.000138669
1	0	21	0.018773466	0.030212889	1	0	21	8.61652E-05	0.000138669
1	0	22	0.018773466	0.030212889	1	0	22	8.61651E-05	0.000138669
1	0	23	0.018773466	0.030212889	1	0	23	8.61651E-05	0.000138669
1	0	24	0.018773466	0.030212889	1	0	24	8.61651E-05	0.000138669
2	1	1	0.01104946	0.017782338	2	1	1	2.59659E-05	4.17879E-05
2	1	2	0.01104946	0.017782338	2	1	2	2.59659E-05	4.17879E-05
2	1	3	0.01104946	0.017782338	2	1	3	2.59659E-05	4.17879E-05
2	1	4	0.01104946	0.017782338	2	1	4	2.59659E-05	4.17879E-05
2	1	5	0.01104946	0.017782338	2	1	5	2.59659E-05	4.17879E-05
2	1	6	0.01104946	0.017782338	2	1	6	2.59659E-05	4.17879E-05
2	1	7	0.01104946	0.017782338	2	1	7	2.59659E-05	4.17879E-05
2	1	8	0.01104946	0.017782338	2	1	8	2.59659E-05	4.17879E-05
2	1	9	0.01104946	0.017782338	2	1	9	2.59659E-05	4.17879E-05
2	1	10	0.01104946	0.017782338	2	1	10	2.59661E-05	4.17884E-05
2	1	11	0.01104946	0.017782338	2	1	11	2.59665E-05	4.1789E-05
2	1	12	0.01104946	0.017782338	2	1	12	2.59669E-05	4.17896E-05
2	1	13	0.01104946	0.017782338	2	1	13	2.59673E-05	4.17901E-05
2	1	14	0.01104946	0.017782338	2	1	14	2.59675E-05	4.17906E-05
2	1	15	0.011055271	0.017791689	2	1	15	2.59677E-05	4.17908E-05
2	1	16	0.01104946	0.017782338	2	1	16	2.59676E-05	4.17907E-05
2	1	17	0.01104946	0.017782338	2	1	17	2.59676E-05	4.17906E-05
2	1	18	0.01104946	0.017782338	2	1	18	2.59675E-05	4.17905E-05
2	1	19	0.01104946	0.017782338	2	1	19	2.59671E-05	4.17899E-05
2	1	20	0.01104946	0.017782338	2	1	20	2.59666E-05	4.17891E-05
2	1	21	0.01104946	0.017782338	2	1	21	2.5966E-05	4.1788E-05
2	1	22	0.01104946	0.017782338	2	1	22	2.59659E-05	4.17879E-05
2	1	23	0.01104946	0.017782338	2	1	23	2.59659E-05	4.17879E-05
2	1	24	0.01104946	0.017782338	2	1	24	2.59659E-05	4.17879E-05
2	5	1	0.002590249	0.004168592	2	5	1	3.21288E-06	5.17061E-06
2	5	2	0.002590249	0.004168592	2	5	2	3.21288E-06	5.17061E-06
2	5	3	0.002590249	0.004168592	2	5	3	3.21288E-06	5.17061E-06
2	5	4	0.002590249	0.004168592	2	5	4	3.21288E-06	5.17061E-06
2	5	5	0.002590249	0.004168592	2	5	5	3.21288E-06	5.17061E-06
2	5	6	0.002590249	0.004168592	2	5	6	3.21288E-06	5.17061E-06
2	5	7	0.002590249	0.004168592	2	5	7	3.21288E-06	5.17061E-06
2	5	8	0.002590249	0.004168592	2	5	8	3.21288E-06	5.17061E-06
2	5	9	0.002590249	0.004168592	2	5	9	3.21288E-06	5.17061E-06
2	5	10	0.002590249	0.004168592	2	5	10	3.21298E-06	5.17077E-06
2	5	11	0.002590249	0.004168592	2	5	11	3.2131E-06	5.17097E-06
2	5	12	0.002590249	0.004168592	2	5	12	3.21324E-06	5.1712E-06
2	5	13	0.002590249	0.004168592	2	5	13	3.21335E-06	5.17137E-06
2	5	14	0.002590249	0.004168592	2	5	14	3.21345E-06	5.17153E-06
2	5	15	0.002590249	0.004168592	2	5	15	3.2135E-06	5.17161E-06
2	5	16	0.002590249	0.004168592	2	5	16	3.21348E-06	5.17158E-06
2	5	17	0.002590249	0.004168592	2	5	17	3.21346E-06	5.17156E-06
2	5	18	0.002590249	0.004168592	2	5	18	3.21343E-06	5.1715E-06
2	5	19	0.002590249	0.004168592	2	5	19	3.21331E-06	5.17131E-06
2	5	20	0.002590249	0.004168592	2	5	20	3.21314E-06	5.17103E-06
2	5	21	0.002590249	0.004168592	2	5	21	3.21291E-06	5.17066E-06
2	5	22	0.002590249	0.004168592	2	5	22	3.21288E-06	5.17061E-06
2	5	23	0.002590249	0.004168592	2	5	23	3.21288E-06	5.17061E-06

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	5	24	0.002590249	0.004168592	2	5	24	3.21288E-06	5.17061E-06
2	6	1	0.002325807	0.003743014	2	6	1	2.77445E-06	4.46504E-06
2	6	2	0.002325807	0.003743014	2	6	2	2.77445E-06	4.46504E-06
2	6	3	0.002325807	0.003743014	2	6	3	2.77446E-06	4.46504E-06
2	6	4	0.002325807	0.003743014	2	6	4	2.77445E-06	4.46504E-06
2	6	5	0.002325807	0.003743014	2	6	5	2.77445E-06	4.46504E-06
2	6	6	0.002325807	0.003743014	2	6	6	2.77445E-06	4.46504E-06
2	6	7	0.002325807	0.003743014	2	6	7	2.77445E-06	4.46504E-06
2	6	8	0.002325807	0.003743014	2	6	8	2.77445E-06	4.46504E-06
2	6	9	0.002325807	0.003743014	2	6	9	2.77445E-06	4.46504E-06
2	6	10	0.002325807	0.003743014	2	6	10	2.77454E-06	4.46517E-06
2	6	11	0.002325807	0.003743014	2	6	11	2.77465E-06	4.46536E-06
2	6	12	0.002325807	0.003743014	2	6	12	2.77477E-06	4.46555E-06
2	6	13	0.002325807	0.003743014	2	6	13	2.77487E-06	4.46571E-06
2	6	14	0.002325807	0.003743014	2	6	14	2.77495E-06	4.46584E-06
2	6	15	0.002325807	0.003743014	2	6	15	2.775E-06	4.46592E-06
2	6	16	0.002325807	0.003743014	2	6	16	2.77498E-06	4.46588E-06
2	6	17	0.002325807	0.003743014	2	6	17	2.77497E-06	4.46587E-06
2	6	18	0.002325807	0.003743014	2	6	18	2.77494E-06	4.46582E-06
2	6	19	0.002325807	0.003743014	2	6	19	2.77483E-06	4.46565E-06
2	6	20	0.002325807	0.003743014	2	6	20	2.77468E-06	4.46541E-06
2	6	21	0.002325807	0.003743014	2	6	21	2.77448E-06	4.46507E-06
2	6	22	0.002325807	0.003743014	2	6	22	2.77445E-06	4.46504E-06
2	6	23	0.002325807	0.003743014	2	6	23	2.77445E-06	4.46504E-06
2	6	24	0.002325807	0.003743014	2	6	24	2.77445E-06	4.46504E-06
2	7	1	0.002158025	0.003472996	2	7	1	2.5307E-06	4.07275E-06
2	7	2	0.002158025	0.003472996	2	7	2	2.5307E-06	4.07275E-06
2	7	3	0.002158025	0.003472996	2	7	3	2.5307E-06	4.07275E-06
2	7	4	0.002158025	0.003472996	2	7	4	2.5307E-06	4.07275E-06
2	7	5	0.002158025	0.003472996	2	7	5	2.5307E-06	4.07275E-06
2	7	6	0.002158025	0.003472996	2	7	6	2.5307E-06	4.07275E-06
2	7	7	0.002158025	0.003472996	2	7	7	2.5307E-06	4.07275E-06
2	7	8	0.002158025	0.003472996	2	7	8	2.5307E-06	4.07275E-06
2	7	9	0.002158025	0.003472996	2	7	9	2.5307E-06	4.07275E-06
2	7	10	0.002158025	0.003472996	2	7	10	2.53078E-06	4.07288E-06
2	7	11	0.002158025	0.003472996	2	7	11	2.53087E-06	4.07304E-06
2	7	12	0.002158025	0.003472996	2	7	12	2.53099E-06	4.07322E-06
2	7	13	0.002158025	0.003472996	2	7	13	2.53107E-06	4.07335E-06
2	7	14	0.002158025	0.003472996	2	7	14	2.53115E-06	4.07348E-06
2	7	15	0.002158025	0.003472996	2	7	15	2.5312E-06	4.07355E-06
2	7	16	0.002158025	0.003472996	2	7	16	2.53118E-06	4.07353E-06
2	7	17	0.002158025	0.003472996	2	7	17	2.53117E-06	4.07351E-06
2	7	18	0.002158025	0.003472996	2	7	18	2.53114E-06	4.07346E-06
2	7	19	0.002158025	0.003472996	2	7	19	2.53104E-06	4.07331E-06
2	7	20	0.002158025	0.003472996	2	7	20	2.53091E-06	4.07309E-06
2	7	21	0.002158025	0.003472996	2	7	21	2.53072E-06	4.07279E-06
2	7	22	0.002158025	0.003472996	2	7	22	2.5307E-06	4.07275E-06
2	7	23	0.002158025	0.003472996	2	7	23	2.5307E-06	4.07275E-06
2	7	24	0.002158025	0.003472996	2	7	24	2.5307E-06	4.07275E-06
2	8	1	0.002093742	0.003369543	2	8	1	2.42188E-06	3.89763E-06
2	8	2	0.002093742	0.003369543	2	8	2	2.42188E-06	3.89763E-06
2	8	3	0.002093742	0.003369543	2	8	3	2.42188E-06	3.89763E-06
2	8	4	0.002093742	0.003369543	2	8	4	2.42188E-06	3.89763E-06
2	8	5	0.002093742	0.003369543	2	8	5	2.42188E-06	3.89763E-06
2	8	6	0.002093742	0.003369543	2	8	6	2.42188E-06	3.89763E-06
2	8	7	0.002093742	0.003369543	2	8	7	2.42188E-06	3.89763E-06
2	8	8	0.002093742	0.003369543	2	8	8	2.42188E-06	3.89763E-06
2	8	9	0.002093742	0.003369543	2	8	9	2.42188E-06	3.89763E-06
2	8	10	0.002093742	0.003369543	2	8	10	2.42195E-06	3.89774E-06
2	8	11	0.002093742	0.003369543	2	8	11	2.42204E-06	3.89789E-06
2	8	12	0.002093742	0.003369543	2	8	12	2.42214E-06	3.89805E-06
2	8	13	0.002093742	0.003369543	2	8	13	2.42222E-06	3.89817E-06
2	8	14	0.002093742	0.003369543	2	8	14	2.42229E-06	3.89829E-06
2	8	15	0.002093742	0.003369543	2	8	15	2.42233E-06	3.89835E-06
2	8	16	0.002093742	0.003369543	2	8	16	2.42231E-06	3.89832E-06
2	8	17	0.002093742	0.003369543	2	8	17	2.42231E-06	3.89832E-06
2	8	18	0.002093742	0.003369543	2	8	18	2.42228E-06	3.89827E-06
2	8	19	0.002093742	0.003369543	2	8	19	2.42219E-06	3.89813E-06
2	8	20	0.002093742	0.003369543	2	8	20	2.42207E-06	3.89793E-06
2	8	21	0.002093742	0.003369543	2	8	21	2.4219E-06	3.89766E-06
2	8	22	0.002093742	0.003369543	2	8	22	2.42188E-06	3.89763E-06

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	8	23	0.002093742	0.003369543	2	8	23	2.42188E-06	3.89763E-06
2	8	24	0.002093742	0.003369543	2	8	24	2.42188E-06	3.89763E-06
2	10	1	0.002017645	0.003247077	2	10	1	2.28807E-06	3.68228E-06
2	10	2	0.002017645	0.003247077	2	10	2	2.28807E-06	3.68228E-06
2	10	3	0.002017645	0.003247077	2	10	3	2.28807E-06	3.68228E-06
2	10	4	0.002017645	0.003247077	2	10	4	2.28807E-06	3.68228E-06
2	10	5	0.002017645	0.003247077	2	10	5	2.28807E-06	3.68228E-06
2	10	6	0.002017645	0.003247077	2	10	6	2.28807E-06	3.68228E-06
2	10	7	0.002017645	0.003247077	2	10	7	2.28807E-06	3.68228E-06
2	10	8	0.002017645	0.003247077	2	10	8	2.28807E-06	3.68228E-06
2	10	9	0.002017645	0.003247077	2	10	9	2.28807E-06	3.68228E-06
2	10	10	0.002017645	0.003247077	2	10	10	2.28813E-06	3.68238E-06
2	10	11	0.002017645	0.003247077	2	10	11	2.28821E-06	3.6825E-06
2	10	12	0.002017645	0.003247077	2	10	12	2.2883E-06	3.68265E-06
2	10	13	0.002017645	0.003247077	2	10	13	2.28836E-06	3.68275E-06
2	10	14	0.002017645	0.003247077	2	10	14	2.28842E-06	3.68285E-06
2	10	15	0.002017645	0.003247077	2	10	15	2.28845E-06	3.6829E-06
2	10	16	0.002017645	0.003247077	2	10	16	2.28844E-06	3.68288E-06
2	10	17	0.002017645	0.003247077	2	10	17	2.28843E-06	3.68286E-06
2	10	18	0.002017645	0.003247077	2	10	18	2.28841E-06	3.68283E-06
2	10	19	0.002017645	0.003247077	2	10	19	2.28833E-06	3.68271E-06
2	10	20	0.002017645	0.003247077	2	10	20	2.28823E-06	3.68255E-06
2	10	21	0.002017645	0.003247077	2	10	21	2.28809E-06	3.68231E-06
2	10	22	0.002017645	0.003247077	2	10	22	2.28807E-06	3.68228E-06
2	10	23	0.002017645	0.003247077	2	10	23	2.28807E-06	3.68228E-06
2	10	24	0.002017645	0.003247077	2	10	24	2.28807E-06	3.68228E-06
2	11	1	0.001966637	0.003164988	2	11	1	2.18836E-06	3.52182E-06
2	11	2	0.001966637	0.003164988	2	11	2	2.18836E-06	3.52182E-06
2	11	3	0.001966637	0.003164988	2	11	3	2.18836E-06	3.52182E-06
2	11	4	0.001966637	0.003164988	2	11	4	2.18836E-06	3.52182E-06
2	11	5	0.001966637	0.003164988	2	11	5	2.18836E-06	3.52182E-06
2	11	6	0.001966637	0.003164988	2	11	6	2.18836E-06	3.52182E-06
2	11	7	0.001966637	0.003164988	2	11	7	2.18836E-06	3.52182E-06
2	11	8	0.001966637	0.003164988	2	11	8	2.18836E-06	3.52182E-06
2	11	9	0.001966637	0.003164988	2	11	9	2.18836E-06	3.52182E-06
2	11	10	0.001966637	0.003164988	2	11	10	2.18842E-06	3.52192E-06
2	11	11	0.001966637	0.003164988	2	11	11	2.18849E-06	3.52203E-06
2	11	12	0.001966637	0.003164988	2	11	12	2.18858E-06	3.52217E-06
2	11	13	0.001966637	0.003164988	2	11	13	2.18864E-06	3.52226E-06
2	11	14	0.001966637	0.003164988	2	11	14	2.1887E-06	3.52236E-06
2	11	15	0.001966637	0.003164988	2	11	15	2.18873E-06	3.52241E-06
2	11	16	0.001966637	0.003164988	2	11	16	2.18871E-06	3.52239E-06
2	11	17	0.001966637	0.003164988	2	11	17	2.18871E-06	3.52237E-06
2	11	18	0.001966637	0.003164988	2	11	18	2.18869E-06	3.52234E-06
2	11	19	0.001966637	0.003164988	2	11	19	2.18862E-06	3.52223E-06
2	11	20	0.001966637	0.003164988	2	11	20	2.18852E-06	3.52207E-06
2	11	21	0.001966637	0.003164988	2	11	21	2.18838E-06	3.52185E-06
2	11	22	0.001966637	0.003164988	2	11	22	2.18836E-06	3.52182E-06
2	11	23	0.001966637	0.003164988	2	11	23	2.18836E-06	3.52182E-06
2	11	24	0.001966637	0.003164988	2	11	24	2.18836E-06	3.52182E-06

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	13	1	0.001893348	0.00304704	2	13	1	2.04602E-06	3.29274E-06
2	13	2	0.001893348	0.00304704	2	13	2	2.04602E-06	3.29274E-06
2	13	3	0.001893348	0.00304704	2	13	3	2.04602E-06	3.29274E-06
2	13	4	0.001893348	0.00304704	2	13	4	2.04602E-06	3.29274E-06
2	13	5	0.001893348	0.00304704	2	13	5	2.04602E-06	3.29274E-06
2	13	6	0.001893348	0.00304704	2	13	6	2.04602E-06	3.29274E-06
2	13	7	0.001893348	0.00304704	2	13	7	2.04602E-06	3.29274E-06
2	13	8	0.001893348	0.00304704	2	13	8	2.04602E-06	3.29274E-06
2	13	9	0.001893348	0.00304704	2	13	9	2.04602E-06	3.29274E-06
2	13	10	0.001893348	0.00304704	2	13	10	2.04607E-06	3.29282E-06
2	13	11	0.001893348	0.00304704	2	13	11	2.04614E-06	3.29294E-06
2	13	12	0.001893348	0.00304704	2	13	12	2.04622E-06	3.29306E-06
2	13	13	0.001893348	0.00304704	2	13	13	2.04627E-06	3.29315E-06
2	13	14	0.001893348	0.00304704	2	13	14	2.04633E-06	3.29323E-06
2	13	15	0.001893348	0.00304704	2	13	15	2.04636E-06	3.29329E-06
2	13	16	0.001893348	0.00304704	2	13	16	2.04634E-06	3.29326E-06
2	13	17	0.001893348	0.00304704	2	13	17	2.04634E-06	3.29326E-06
2	13	18	0.001893348	0.00304704	2	13	18	2.04632E-06	3.29322E-06
2	13	19	0.001893348	0.00304704	2	13	19	2.04625E-06	3.29312E-06
2	13	20	0.001893348	0.00304704	2	13	20	2.04616E-06	3.29297E-06
2	13	21	0.001893348	0.00304704	2	13	21	2.04603E-06	3.29277E-06
2	13	22	0.001893348	0.00304704	2	13	22	2.04602E-06	3.29274E-06
2	13	23	0.001893348	0.00304704	2	13	23	2.04602E-06	3.29274E-06
2	13	24	0.001893348	0.00304704	2	13	24	2.04602E-06	3.29274E-06
3	1	1	0.01104946	0.017782338	3	1	1	2.59659E-05	4.17879E-05
3	1	2	0.01104946	0.017782338	3	1	2	2.59659E-05	4.17879E-05
3	1	3	0.01104946	0.017782338	3	1	3	2.59659E-05	4.17879E-05
3	1	4	0.01104946	0.017782338	3	1	4	2.59659E-05	4.17879E-05
3	1	5	0.01104946	0.017782338	3	1	5	2.59659E-05	4.17879E-05
3	1	6	0.01104946	0.017782338	3	1	6	2.59659E-05	4.17879E-05
3	1	7	0.01104946	0.017782338	3	1	7	2.59659E-05	4.17879E-05
3	1	8	0.01104946	0.017782338	3	1	8	2.59659E-05	4.17879E-05
3	1	9	0.01104946	0.017782338	3	1	9	2.59659E-05	4.17879E-05
3	1	10	0.01104946	0.017782338	3	1	10	2.59661E-05	4.17884E-05
3	1	11	0.01104946	0.017782338	3	1	11	2.59665E-05	4.1789E-05
3	1	12	0.01104946	0.017782338	3	1	12	2.59669E-05	4.17896E-05
3	1	13	0.01104946	0.017782338	3	1	13	2.59673E-05	4.17901E-05
3	1	14	0.01104946	0.017782338	3	1	14	2.59675E-05	4.17906E-05
3	1	15	0.011055271	0.017791689	3	1	15	2.59677E-05	4.17908E-05
3	1	16	0.01104946	0.017782338	3	1	16	2.59676E-05	4.17907E-05
3	1	17	0.01104946	0.017782338	3	1	17	2.59676E-05	4.17906E-05
3	1	18	0.01104946	0.017782338	3	1	18	2.59675E-05	4.17905E-05
3	1	19	0.01104946	0.017782338	3	1	19	2.59671E-05	4.17899E-05
3	1	20	0.01104946	0.017782338	3	1	20	2.59666E-05	4.17891E-05
3	1	21	0.01104946	0.017782338	3	1	21	2.5966E-05	4.1788E-05
3	1	22	0.01104946	0.017782338	3	1	22	2.59659E-05	4.17879E-05
3	1	23	0.01104946	0.017782338	3	1	23	2.59659E-05	4.17879E-05
3	1	24	0.01104946	0.017782338	3	1	24	2.59659E-05	4.17879E-05
3	7	1	0.002257862	0.003633667	3	7	1	2.89425E-06	4.65783E-06
3	7	2	0.002257862	0.003633667	3	7	2	2.89425E-06	4.65783E-06
3	7	3	0.002257862	0.003633667	3	7	3	2.89425E-06	4.65783E-06
3	7	4	0.002257862	0.003633667	3	7	4	2.89425E-06	4.65783E-06
3	7	5	0.002257862	0.003633667	3	7	5	2.89425E-06	4.65783E-06
3	7	6	0.002257862	0.003633667	3	7	6	2.89425E-06	4.65783E-06
3	7	7	0.002257862	0.003633667	3	7	7	2.89425E-06	4.65783E-06
3	7	8	0.002257862	0.003633667	3	7	8	2.89425E-06	4.65783E-06
3	7	9	0.002257862	0.003633667	3	7	9	2.89425E-06	4.65783E-06
3	7	10	0.002257862	0.003633667	3	7	10	2.89434E-06	4.65797E-06
3	7	11	0.002257862	0.003633667	3	7	11	2.89445E-06	4.65816E-06
3	7	12	0.002257862	0.003633667	3	7	12	2.89458E-06	4.65836E-06
3	7	13	0.002257862	0.003633667	3	7	13	2.89467E-06	4.65851E-06
3	7	14	0.002257862	0.003633667	3	7	14	2.89476E-06	4.65865E-06
3	7	15	0.002257862	0.003633667	3	7	15	2.89481E-06	4.65873E-06
3	7	16	0.002257862	0.003633667	3	7	16	2.89479E-06	4.6587E-06
3	7	17	0.002257862	0.003633667	3	7	17	2.89478E-06	4.65868E-06
3	7	18	0.002257862	0.003633667	3	7	18	2.89475E-06	4.65863E-06
3	7	19	0.002257862	0.003633667	3	7	19	2.89464E-06	4.65846E-06
3	7	20	0.002257862	0.003633667	3	7	20	2.89449E-06	4.65821E-06
3	7	21	0.002257862	0.003633667	3	7	21	2.89428E-06	4.65787E-06
3	7	22	0.002257862	0.003633667	3	7	22	2.89425E-06	4.65783E-06
3	7	23	0.002257862	0.003633667	3	7	23	2.89425E-06	4.65783E-06
3	7	24	0.002257862	0.003633667	3	7	24	2.89425E-06	4.65783E-06

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
3	8	1	0.002140932	0.003445488	3	8	1	2.67846E-06	4.31055E-06
3	8	2	0.002140932	0.003445488	3	8	2	2.67846E-06	4.31055E-06
3	8	3	0.002140932	0.003445488	3	8	3	2.67846E-06	4.31055E-06
3	8	4	0.002140932	0.003445488	3	8	4	2.67846E-06	4.31055E-06
3	8	5	0.002140932	0.003445488	3	8	5	2.67846E-06	4.31055E-06
3	8	6	0.002140932	0.003445488	3	8	6	2.67846E-06	4.31055E-06
3	8	7	0.002140932	0.003445488	3	8	7	2.67846E-06	4.31055E-06
3	8	8	0.002140932	0.003445488	3	8	8	2.67846E-06	4.31055E-06
3	8	9	0.002140932	0.003445488	3	8	9	2.67846E-06	4.31055E-06
3	8	10	0.002140932	0.003445488	3	8	10	2.67854E-06	4.31067E-06
3	8	11	0.002140932	0.003445488	3	8	11	2.67863E-06	4.31083E-06
3	8	12	0.002140932	0.003445488	3	8	12	2.67874E-06	4.31101E-06
3	8	13	0.002140932	0.003445488	3	8	13	2.67883E-06	4.31115E-06
3	8	14	0.002140932	0.003445488	3	8	14	2.67891E-06	4.31128E-06
3	8	15	0.002140932	0.003445488	3	8	15	2.67895E-06	4.31134E-06
3	8	16	0.002140932	0.003445488	3	8	16	2.67893E-06	4.31131E-06
3	8	17	0.002140932	0.003445488	3	8	17	2.67892E-06	4.3113E-06
3	8	18	0.002140932	0.003445488	3	8	18	2.67889E-06	4.31125E-06
3	8	19	0.002140932	0.003445488	3	8	19	2.6788E-06	4.31109E-06
3	8	20	0.002140932	0.003445488	3	8	20	2.67866E-06	4.31088E-06
3	8	21	0.002140932	0.003445488	3	8	21	2.67848E-06	4.31058E-06
3	8	22	0.002140932	0.003445488	3	8	22	2.67846E-06	4.31055E-06
3	8	23	0.002140932	0.003445488	3	8	23	2.67846E-06	4.31055E-06
3	8	24	0.002140932	0.003445488	3	8	24	2.67846E-06	4.31055E-06
3	10	1	0.002017347	0.003246597	3	10	1	2.46907E-06	3.97357E-06
3	10	2	0.002017347	0.003246597	3	10	2	2.46907E-06	3.97357E-06
3	10	3	0.002017347	0.003246597	3	10	3	2.46907E-06	3.97357E-06
3	10	4	0.002017347	0.003246597	3	10	4	2.46907E-06	3.97357E-06
3	10	5	0.002017347	0.003246597	3	10	5	2.46907E-06	3.97357E-06
3	10	6	0.002017347	0.003246597	3	10	6	2.46907E-06	3.97357E-06
3	10	7	0.002017347	0.003246597	3	10	7	2.46907E-06	3.97357E-06
3	10	8	0.002017347	0.003246597	3	10	8	2.46907E-06	3.97357E-06
3	10	9	0.002017347	0.003246597	3	10	9	2.46907E-06	3.97357E-06
3	10	10	0.002017347	0.003246597	3	10	10	2.46913E-06	3.97367E-06
3	10	11	0.002017347	0.003246597	3	10	11	2.46921E-06	3.97379E-06
3	10	12	0.002017347	0.003246597	3	10	12	2.4693E-06	3.97394E-06
3	10	13	0.002017347	0.003246597	3	10	13	2.46937E-06	3.97405E-06
3	10	14	0.002017347	0.003246597	3	10	14	2.46943E-06	3.97415E-06
3	10	15	0.002017347	0.003246597	3	10	15	2.46946E-06	3.97421E-06
3	10	16	0.002017347	0.003246597	3	10	16	2.46945E-06	3.97418E-06
3	10	17	0.002017347	0.003246597	3	10	17	2.46945E-06	3.97418E-06
3	10	18	0.002017347	0.003246597	3	10	18	2.46942E-06	3.97414E-06
3	10	19	0.002017347	0.003246597	3	10	19	2.46934E-06	3.97401E-06
3	10	20	0.002017347	0.003246597	3	10	20	2.46923E-06	3.97384E-06
3	10	21	0.002017347	0.003246597	3	10	21	2.46908E-06	3.97359E-06
3	10	22	0.002017347	0.003246597	3	10	22	2.46907E-06	3.97357E-06
3	10	23	0.002017347	0.003246597	3	10	23	2.46907E-06	3.97357E-06
3	10	24	0.002017347	0.003246597	3	10	24	2.46907E-06	3.97357E-06
3	11	1	0.00197642	0.003180733	3	11	1	2.38606E-06	3.83999E-06
3	11	2	0.00197642	0.003180733	3	11	2	2.38606E-06	3.83999E-06
3	11	3	0.00197642	0.003180733	3	11	3	2.38606E-06	3.83999E-06
3	11	4	0.00197642	0.003180733	3	11	4	2.38606E-06	3.83999E-06
3	11	5	0.00197642	0.003180733	3	11	5	2.38606E-06	3.83999E-06
3	11	6	0.00197642	0.003180733	3	11	6	2.38606E-06	3.83999E-06
3	11	7	0.00197642	0.003180733	3	11	7	2.38606E-06	3.83999E-06
3	11	8	0.00197642	0.003180733	3	11	8	2.38606E-06	3.83999E-06
3	11	9	0.00197642	0.003180733	3	11	9	2.38606E-06	3.83999E-06
3	11	10	0.00197642	0.003180733	3	11	10	2.38612E-06	3.84008E-06
3	11	11	0.00197642	0.003180733	3	11	11	2.3862E-06	3.8402E-06
3	11	12	0.00197642	0.003180733	3	11	12	2.38628E-06	3.84033E-06
3	11	13	0.00197642	0.003180733	3	11	13	2.38634E-06	3.84043E-06
3	11	14	0.00197642	0.003180733	3	11	14	2.3864E-06	3.84053E-06
3	11	15	0.00197642	0.003180733	3	11	15	2.38643E-06	3.84057E-06
3	11	16	0.00197642	0.003180733	3	11	16	2.38642E-06	3.84056E-06
3	11	17	0.00197642	0.003180733	3	11	17	2.38641E-06	3.84054E-06
3	11	18	0.00197642	0.003180733	3	11	18	2.38639E-06	3.84051E-06
3	11	19	0.00197642	0.003180733	3	11	19	2.38632E-06	3.8404E-06
3	11	20	0.00197642	0.003180733	3	11	20	2.38622E-06	3.84023E-06
3	11	21	0.00197642	0.003180733	3	11	21	2.38608E-06	3.84001E-06
3	11	22	0.00197642	0.003180733	3	11	22	2.38606E-06	3.83999E-06
3	11	23	0.00197642	0.003180733	3	11	23	2.38606E-06	3.83999E-06
3	11	24	0.00197642	0.003180733	3	11	24	2.38606E-06	3.83999E-06

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	6	1	0.00252647	0.004065949	5	6	1	3.47358E-06	5.59017E-06
5	6	2	0.00252647	0.004065949	5	6	2	3.47358E-06	5.59017E-06
5	6	3	0.00252647	0.004065949	5	6	3	3.47358E-06	5.59017E-06
5	6	4	0.00252647	0.004065949	5	6	4	3.47358E-06	5.59017E-06
5	6	5	0.00252647	0.004065949	5	6	5	3.47358E-06	5.59017E-06
5	6	6	0.00252647	0.004065949	5	6	6	3.47358E-06	5.59017E-06
5	6	7	0.00252647	0.004065949	5	6	7	3.47358E-06	5.59017E-06
5	6	8	0.00252647	0.004065949	5	6	8	3.47358E-06	5.59017E-06
5	6	9	0.00252647	0.004065949	5	6	9	3.47358E-06	5.59017E-06
5	6	10	0.00252647	0.004065949	5	6	10	3.47368E-06	5.59033E-06
5	6	11	0.00252647	0.004065949	5	6	11	3.4738E-06	5.59052E-06
5	6	12	0.00252647	0.004065949	5	6	12	3.47394E-06	5.59075E-06
5	6	13	0.00252647	0.004065949	5	6	13	3.47404E-06	5.59092E-06
5	6	14	0.00252647	0.004065949	5	6	14	3.47414E-06	5.59108E-06
5	6	15	0.00252647	0.004065949	5	6	15	3.4742E-06	5.59116E-06
5	6	16	0.00252647	0.004065949	5	6	16	3.47417E-06	5.59112E-06
5	6	17	0.00252647	0.004065949	5	6	17	3.47416E-06	5.59111E-06
5	6	18	0.00252647	0.004065949	5	6	18	3.47413E-06	5.59105E-06
5	6	19	0.00252647	0.004065949	5	6	19	3.47401E-06	5.59086E-06
5	6	20	0.00252647	0.004065949	5	6	20	3.47384E-06	5.59059E-06
5	6	21	0.00252647	0.004065949	5	6	21	3.47361E-06	5.59021E-06
5	6	22	0.00252647	0.004065949	5	6	22	3.47358E-06	5.59017E-06
5	6	23	0.00252647	0.004065949	5	6	23	3.47358E-06	5.59017E-06
5	6	24	0.00252647	0.004065949	5	6	24	3.47358E-06	5.59017E-06
5	8	1	0.002135103	0.003436107	5	8	1	2.59485E-06	4.17599E-06
5	8	2	0.002135103	0.003436107	5	8	2	2.59485E-06	4.17599E-06
5	8	3	0.002135103	0.003436107	5	8	3	2.59485E-06	4.17599E-06
5	8	4	0.002135103	0.003436107	5	8	4	2.59485E-06	4.17599E-06
5	8	5	0.002135103	0.003436107	5	8	5	2.59485E-06	4.17599E-06
5	8	6	0.002135103	0.003436107	5	8	6	2.59485E-06	4.17599E-06
5	8	7	0.002135103	0.003436107	5	8	7	2.59485E-06	4.17599E-06
5	8	8	0.002135103	0.003436107	5	8	8	2.59485E-06	4.17599E-06
5	8	9	0.002135103	0.003436107	5	8	9	2.59485E-06	4.17599E-06
5	8	10	0.002135103	0.003436107	5	8	10	2.59493E-06	4.17612E-06
5	8	11	0.002135103	0.003436107	5	8	11	2.59502E-06	4.17628E-06
5	8	12	0.002135103	0.003436107	5	8	12	2.59514E-06	4.17646E-06
5	8	13	0.002135103	0.003436107	5	8	13	2.59522E-06	4.17659E-06
5	8	14	0.002135103	0.003436107	5	8	14	2.5953E-06	4.17672E-06
5	8	15	0.002135103	0.003436107	5	8	15	2.59534E-06	4.17679E-06
5	8	16	0.002135103	0.003436107	5	8	16	2.59533E-06	4.17676E-06
5	8	17	0.002135103	0.003436107	5	8	17	2.59532E-06	4.17675E-06
5	8	18	0.002135103	0.003436107	5	8	18	2.59529E-06	4.1767E-06
5	8	19	0.002135103	0.003436107	5	8	19	2.59519E-06	4.17655E-06
5	8	20	0.002135103	0.003436107	5	8	20	2.59506E-06	4.17633E-06
5	8	21	0.002135103	0.003436107	5	8	21	2.59487E-06	4.17603E-06
5	8	22	0.002135103	0.003436107	5	8	22	2.59485E-06	4.17599E-06
5	8	23	0.002135103	0.003436107	5	8	23	2.59485E-06	4.17599E-06
5	8	24	0.002135103	0.003436107	5	8	24	2.59485E-06	4.17599E-06

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	11	1	0.001954538	0.003145516	5	11	1	2.19417E-06	3.53117E-06
5	11	2	0.001954538	0.003145516	5	11	2	2.19417E-06	3.53117E-06
5	11	3	0.001954538	0.003145516	5	11	3	2.19417E-06	3.53117E-06
5	11	4	0.001954538	0.003145516	5	11	4	2.19417E-06	3.53117E-06
5	11	5	0.001954538	0.003145516	5	11	5	2.19417E-06	3.53117E-06
5	11	6	0.001954538	0.003145516	5	11	6	2.19417E-06	3.53117E-06
5	11	7	0.001954538	0.003145516	5	11	7	2.19417E-06	3.53117E-06
5	11	8	0.001954538	0.003145516	5	11	8	2.19417E-06	3.53117E-06
5	11	9	0.001954538	0.003145516	5	11	9	2.19417E-06	3.53117E-06
5	11	10	0.001954538	0.003145516	5	11	10	2.19423E-06	3.53126E-06
5	11	11	0.001954538	0.003145516	5	11	11	2.19431E-06	3.53138E-06
5	11	12	0.001954538	0.003145516	5	11	12	2.19439E-06	3.53152E-06
5	11	13	0.001954538	0.003145516	5	11	13	2.19446E-06	3.53162E-06
5	11	14	0.001954538	0.003145516	5	11	14	2.19451E-06	3.53171E-06
5	11	15	0.001954538	0.003145516	5	11	15	2.19454E-06	3.53177E-06
5	11	16	0.001954538	0.003145516	5	11	16	2.19453E-06	3.53174E-06
5	11	17	0.001954538	0.003145516	5	11	17	2.19453E-06	3.53174E-06
5	11	18	0.001954538	0.003145516	5	11	18	2.1945E-06	3.5317E-06
5	11	19	0.001954538	0.003145516	5	11	19	2.19443E-06	3.53158E-06
5	11	20	0.001954538	0.003145516	5	11	20	2.19433E-06	3.53142E-06
5	11	21	0.001954538	0.003145516	5	11	21	2.19418E-06	3.53119E-06
5	11	22	0.001954538	0.003145516	5	11	22	2.19417E-06	3.53117E-06
5	11	23	0.001954538	0.003145516	5	11	23	2.19417E-06	3.53117E-06
5	11	24	0.001954538	0.003145516	5	11	24	2.19417E-06	3.53117E-06
5	7	1	0.002257861	0.003633666	5	7	1	2.89425E-06	4.65783E-06
5	7	2	0.002257862	0.003633667	5	7	2	2.89425E-06	4.65783E-06
5	7	3	0.002257862	0.003633667	5	7	3	2.89425E-06	4.65783E-06
5	7	4	0.002257862	0.003633667	5	7	4	2.89425E-06	4.65783E-06
5	7	5	0.002257862	0.003633667	5	7	5	2.89425E-06	4.65783E-06
5	7	6	0.002257862	0.003633667	5	7	6	2.89425E-06	4.65783E-06
5	7	7	0.002257862	0.003633667	5	7	7	2.89425E-06	4.65783E-06
5	7	8	0.002257862	0.003633667	5	7	8	2.89425E-06	4.65783E-06
5	7	9	0.002257862	0.003633667	5	7	9	2.89425E-06	4.65783E-06
5	7	10	0.002257862	0.003633667	5	7	10	2.89434E-06	4.65797E-06
5	7	11	0.002257862	0.003633667	5	7	11	2.89445E-06	4.65816E-06
5	7	12	0.002257862	0.003633667	5	7	12	2.89458E-06	4.65836E-06
5	7	13	0.002257862	0.003633667	5	7	13	2.89467E-06	4.65851E-06
5	7	14	0.002257862	0.003633667	5	7	14	2.89476E-06	4.65865E-06
5	7	15	0.002257862	0.003633667	5	7	15	2.89481E-06	4.65873E-06
5	7	16	0.002257862	0.003633667	5	7	16	2.89479E-06	4.6587E-06
5	7	17	0.002257862	0.003633667	5	7	17	2.89478E-06	4.65868E-06
5	7	18	0.002257862	0.003633667	5	7	18	2.89475E-06	4.65863E-06
5	7	19	0.002257862	0.003633667	5	7	19	2.89464E-06	4.65846E-06
5	7	20	0.002257862	0.003633667	5	7	20	2.89449E-06	4.65821E-06
5	7	21	0.002257862	0.003633667	5	7	21	2.89428E-06	4.65787E-06
5	7	22	0.002257862	0.003633667	5	7	22	2.89425E-06	4.65783E-06
5	7	23	0.002257862	0.003633667	5	7	23	2.89425E-06	4.65783E-06
5	7	24	0.002257862	0.003633667	5	7	24	2.89425E-06	4.65783E-06

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
1	0	1	0.73981333	1.190611185	1	0	1	0.680211667	1.094691844
1	0	2	0.73981333	1.190611185	1	0	2	0.680211667	1.094691844
1	0	3	0.73981333	1.190611185	1	0	3	0.680211667	1.094691844
1	0	4	0.73981333	1.190611185	1	0	4	0.680211667	1.094691844
1	0	5	0.73981333	1.190611185	1	0	5	0.680211667	1.094691844
1	0	6	0.73981333	1.190611185	1	0	6	0.680211667	1.094691844
1	0	7	0.73981333	1.190611185	1	0	7	0.680211667	1.094691844
1	0	8	0.73981333	1.190611185	1	0	8	0.680211667	1.094691844
1	0	9	0.73981333	1.190611185	1	0	9	0.680211667	1.094691844
1	0	10	0.73981333	1.190611185	1	0	10	0.680211667	1.094691844
1	0	11	0.73981333	1.190611185	1	0	11	0.680211667	1.094691844
1	0	12	0.73981333	1.190611185	1	0	12	0.680211667	1.094691844
1	0	13	0.73981333	1.190611185	1	0	13	0.680211667	1.094691844
1	0	14	0.73981333	1.190611185	1	0	14	0.680211667	1.094691844
1	0	15	0.73981333	1.190611185	1	0	15	0.680211667	1.094691844
1	0	16	0.73981333	1.190611185	1	0	16	0.680211667	1.094691844
1	0	17	0.73981333	1.190611185	1	0	17	0.680211667	1.094691844
1	0	18	0.73981333	1.190611185	1	0	18	0.680211667	1.094691844
1	0	19	0.73981333	1.190611185	1	0	19	0.680211667	1.094691844
1	0	20	0.73981333	1.190611185	1	0	20	0.680211667	1.094691844
1	0	21	0.73981333	1.190611185	1	0	21	0.680211667	1.094691844
1	0	22	0.73981333	1.190611185	1	0	22	0.680211667	1.094691844
1	0	23	0.73981333	1.190611185	1	0	23	0.680211667	1.094691844
1	0	24	0.73981333	1.190611185	1	0	24	0.680211667	1.094691844
2	1	1	0.969015182	1.559474894	2	1	1	0.353874416	0.569504252
2	1	2	0.969015182	1.559474894	2	1	2	0.353874416	0.569504252
2	1	3	0.969015182	1.559474894	2	1	3	0.353874416	0.569504252
2	1	4	0.969015182	1.559474894	2	1	4	0.353874416	0.569504252
2	1	5	0.969015182	1.559474894	2	1	5	0.353874416	0.569504252
2	1	6	0.969015182	1.559474894	2	1	6	0.353874416	0.569504252
2	1	7	0.969015182	1.559474894	2	1	7	0.353874416	0.569504252
2	1	8	0.969015182	1.559474894	2	1	8	0.353874416	0.569504252
2	1	9	0.969015182	1.559474894	2	1	9	0.353874416	0.569504252
2	1	10	0.969015182	1.559474894	2	1	10	0.353874416	0.569504252
2	1	11	0.969015182	1.559474894	2	1	11	0.353874416	0.569504252
2	1	12	0.969015182	1.559474894	2	1	12	0.353874416	0.569504252
2	1	13	0.969015182	1.559474894	2	1	13	0.353874416	0.569504252
2	1	14	0.969015182	1.559474894	2	1	14	0.353874416	0.569504252
2	1	15	0.969015182	1.559474894	2	1	15	0.353874416	0.569504252
2	1	16	0.969015182	1.559474894	2	1	16	0.353874416	0.569504252
2	1	17	0.969015182	1.559474894	2	1	17	0.353874416	0.569504252
2	1	18	0.969015182	1.559474894	2	1	18	0.353874416	0.569504252
2	1	19	0.969015182	1.559474894	2	1	19	0.353874416	0.569504252
2	1	20	0.969015182	1.559474894	2	1	20	0.353874416	0.569504252
2	1	21	0.969015182	1.559474894	2	1	21	0.353874416	0.569504252
2	1	22	0.969015182	1.559474894	2	1	22	0.353874416	0.569504252
2	1	23	0.969015182	1.559474894	2	1	23	0.353874416	0.569504252
2	1	24	0.969015182	1.559474894	2	1	24	0.353874416	0.569504252
2	5	1	0.201601628	0.324445565	2	5	1	0.064792438	0.104273062
2	5	2	0.201601628	0.324445565	2	5	2	0.064792438	0.104273062
2	5	3	0.201601628	0.324445565	2	5	3	0.064792438	0.104273062
2	5	4	0.201601628	0.324445565	2	5	4	0.064792438	0.104273062
2	5	5	0.201601628	0.324445565	2	5	5	0.064792438	0.104273062
2	5	6	0.201601628	0.324445565	2	5	6	0.064792438	0.104273062
2	5	7	0.201601628	0.324445565	2	5	7	0.064792438	0.104273062
2	5	8	0.201601628	0.324445565	2	5	8	0.064792438	0.104273062
2	5	9	0.201601628	0.324445565	2	5	9	0.064792438	0.104273062
2	5	10	0.201601628	0.324445565	2	5	10	0.064792438	0.104273062
2	5	11	0.201601628	0.324445565	2	5	11	0.064792438	0.104273062
2	5	12	0.201601628	0.324445565	2	5	12	0.064792438	0.104273062
2	5	13	0.201601628	0.324445565	2	5	13	0.064792438	0.104273062
2	5	14	0.201601628	0.324445565	2	5	14	0.064792438	0.104273062
2	5	15	0.201601628	0.324445565	2	5	15	0.064792438	0.104273062
2	5	16	0.201601628	0.324445565	2	5	16	0.064792438	0.104273062
2	5	17	0.201601628	0.324445565	2	5	17	0.064792438	0.104273062
2	5	18	0.201601628	0.324445565	2	5	18	0.064792438	0.104273062
2	5	19	0.201601628	0.324445565	2	5	19	0.064792438	0.104273062
2	5	20	0.201601628	0.324445565	2	5	20	0.064792438	0.104273062
2	5	21	0.201601628	0.324445565	2	5	21	0.064792438	0.104273062
2	5	22	0.201601628	0.324445565	2	5	22	0.064792438	0.104273062
2	5	23	0.201601628	0.324445565	2	5	23	0.064792438	0.104273062

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	5	24	0.201601628	0.324445565	2	5	24	0.064792438	0.104273062
2	6	1	0.160358168	0.258070814	2	6	1	0.053274832	0.085737319
2	6	2	0.160358168	0.258070814	2	6	2	0.053274832	0.085737319
2	6	3	0.160358168	0.258070814	2	6	3	0.053274832	0.085737319
2	6	4	0.160358168	0.258070814	2	6	4	0.053274832	0.085737319
2	6	5	0.160358168	0.258070814	2	6	5	0.053274832	0.085737319
2	6	6	0.160358168	0.258070814	2	6	6	0.053274832	0.085737319
2	6	7	0.160358168	0.258070814	2	6	7	0.053274832	0.085737319
2	6	8	0.160358168	0.258070814	2	6	8	0.053274832	0.085737319
2	6	9	0.160358168	0.258070814	2	6	9	0.053274832	0.085737319
2	6	10	0.160358168	0.258070814	2	6	10	0.053274832	0.085737319
2	6	11	0.160358168	0.258070814	2	6	11	0.053274832	0.085737319
2	6	12	0.160358168	0.258070814	2	6	12	0.053274832	0.085737319
2	6	13	0.160358168	0.258070814	2	6	13	0.053274832	0.085737319
2	6	14	0.160358168	0.258070814	2	6	14	0.053274832	0.085737319
2	6	15	0.160358168	0.258070814	2	6	15	0.053274832	0.085737319
2	6	16	0.160358168	0.258070814	2	6	16	0.053274832	0.085737319
2	6	17	0.160358168	0.258070814	2	6	17	0.053274832	0.085737319
2	6	18	0.160358168	0.258070814	2	6	18	0.053274832	0.085737319
2	6	19	0.160358168	0.258070814	2	6	19	0.053274832	0.085737319
2	6	20	0.160358168	0.258070814	2	6	20	0.053274832	0.085737319
2	6	21	0.160358168	0.258070814	2	6	21	0.053274832	0.085737319
2	6	22	0.160358168	0.258070814	2	6	22	0.053274832	0.085737319
2	6	23	0.160358168	0.258070814	2	6	23	0.053274832	0.085737319
2	6	24	0.160358168	0.258070814	2	6	24	0.053274832	0.085737319
2	7	1	0.132754015	0.213646346	2	7	1	0.046127385	0.074234646
2	7	2	0.132754015	0.213646346	2	7	2	0.046127385	0.074234646
2	7	3	0.132754015	0.213646346	2	7	3	0.046127385	0.074234646
2	7	4	0.132754015	0.213646346	2	7	4	0.046127385	0.074234646
2	7	5	0.132754015	0.213646346	2	7	5	0.046127385	0.074234646
2	7	6	0.132754015	0.213646346	2	7	6	0.046127385	0.074234646
2	7	7	0.132754015	0.213646346	2	7	7	0.046127385	0.074234646
2	7	8	0.132754015	0.213646346	2	7	8	0.046127385	0.074234646
2	7	9	0.132754015	0.213646346	2	7	9	0.046127385	0.074234646
2	7	10	0.132754015	0.213646346	2	7	10	0.046127385	0.074234646
2	7	11	0.132754015	0.213646346	2	7	11	0.046127385	0.074234646
2	7	12	0.132754015	0.213646346	2	7	12	0.046127385	0.074234646
2	7	13	0.132754015	0.213646346	2	7	13	0.046127385	0.074234646
2	7	14	0.132754015	0.213646346	2	7	14	0.046127385	0.074234646
2	7	15	0.132754015	0.213646346	2	7	15	0.046127385	0.074234646
2	7	16	0.132754015	0.213646346	2	7	16	0.046127385	0.074234646
2	7	17	0.132754015	0.213646346	2	7	17	0.046127385	0.074234646
2	7	18	0.132754015	0.213646346	2	7	18	0.046127385	0.074234646
2	7	19	0.132754015	0.213646346	2	7	19	0.046127385	0.074234646
2	7	20	0.132754015	0.213646346	2	7	20	0.046127385	0.074234646
2	7	21	0.132754015	0.213646346	2	7	21	0.046127385	0.074234646
2	7	22	0.132754015	0.213646346	2	7	22	0.046127385	0.074234646
2	7	23	0.132754015	0.213646346	2	7	23	0.046127385	0.074234646
2	7	24	0.132754015	0.213646346	2	7	24	0.046127385	0.074234646
2	8	1	0.110504889	0.177839938	2	8	1	0.041335904	0.066523523
2	8	2	0.110504889	0.177839938	2	8	2	0.041335956	0.066523608
2	8	3	0.110504889	0.177839938	2	8	3	0.041335904	0.066523523
2	8	4	0.110504889	0.177839938	2	8	4	0.041335904	0.066523523
2	8	5	0.110504889	0.177839938	2	8	5	0.041335904	0.066523523
2	8	6	0.110504889	0.177839938	2	8	6	0.041335904	0.066523523
2	8	7	0.110504889	0.177839938	2	8	7	0.041335904	0.066523523
2	8	8	0.110504889	0.177839938	2	8	8	0.041335904	0.066523523
2	8	9	0.110504889	0.177839938	2	8	9	0.041335904	0.066523523
2	8	10	0.110504889	0.177839938	2	8	10	0.041335904	0.066523523
2	8	11	0.110504889	0.177839938	2	8	11	0.041335904	0.066523523
2	8	12	0.110504889	0.177839938	2	8	12	0.041335904	0.066523523
2	8	13	0.110504889	0.177839938	2	8	13	0.041335904	0.066523523
2	8	14	0.110504889	0.177839938	2	8	14	0.041335904	0.066523523
2	8	15	0.110504889	0.177839938	2	8	15	0.041335904	0.066523523
2	8	16	0.110504889	0.177839938	2	8	16	0.041335904	0.066523523
2	8	17	0.110504889	0.177839938	2	8	17	0.041335904	0.066523523
2	8	18	0.110504889	0.177839938	2	8	18	0.041335904	0.066523523
2	8	19	0.110504889	0.177839938	2	8	19	0.041335904	0.066523523
2	8	20	0.110504889	0.177839938	2	8	20	0.041335904	0.066523523
2	8	21	0.110504889	0.177839938	2	8	21	0.041335904	0.066523523
2	8	22	0.110504889	0.177839938	2	8	22	0.041335904	0.066523523

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	8	23	0.110504889	0.177839938	2	8	23	0.041335904	0.066523523
2	8	24	0.110504889	0.177839938	2	8	24	0.041335904	0.066523523
2	10	1	0.079768739	0.128375023	2	10	1	0.034906573	0.056176544
2	10	2	0.079768739	0.128375023	2	10	2	0.034906573	0.056176544
2	10	3	0.079768739	0.128375023	2	10	3	0.034906573	0.056176544
2	10	4	0.079768739	0.128375023	2	10	4	0.034906573	0.056176544
2	10	5	0.079768739	0.128375023	2	10	5	0.034906573	0.056176544
2	10	6	0.079768739	0.128375023	2	10	6	0.034906573	0.056176544
2	10	7	0.079768739	0.128375023	2	10	7	0.034906573	0.056176544
2	10	8	0.079768739	0.128375023	2	10	8	0.034906573	0.056176544
2	10	9	0.079768739	0.128375023	2	10	9	0.034906573	0.056176544
2	10	10	0.079768744	0.128375031	2	10	10	0.034906573	0.056176544
2	10	11	0.079768739	0.128375023	2	10	11	0.034906573	0.056176544
2	10	12	0.079768739	0.128375023	2	10	12	0.034906573	0.056176544
2	10	13	0.079768739	0.128375023	2	10	13	0.034906573	0.056176544
2	10	14	0.079768739	0.128375023	2	10	14	0.034906573	0.056176544
2	10	15	0.079768739	0.128375023	2	10	15	0.034906573	0.056176544
2	10	16	0.079768739	0.128375023	2	10	16	0.034906573	0.056176544
2	10	17	0.079768739	0.128375023	2	10	17	0.034906573	0.056176544
2	10	18	0.079768739	0.128375023	2	10	18	0.034906573	0.056176544
2	10	19	0.079768739	0.128375023	2	10	19	0.034906573	0.056176544
2	10	20	0.079768739	0.128375023	2	10	20	0.034906573	0.056176544
2	10	21	0.079768739	0.128375023	2	10	21	0.034906573	0.056176544
2	10	22	0.079768739	0.128375023	2	10	22	0.034906573	0.056176544
2	10	23	0.079768739	0.128375023	2	10	23	0.034906573	0.056176544
2	10	24	0.079768739	0.128375023	2	10	24	0.034906573	0.056176544
2	11	1	0.067901695	0.109276914	2	11	1	0.031907472	0.051349971
2	11	2	0.067901695	0.109276914	2	11	2	0.031907472	0.051349971
2	11	3	0.067901695	0.109276914	2	11	3	0.031907472	0.051349971
2	11	4	0.067901695	0.109276914	2	11	4	0.031907472	0.051349971
2	11	5	0.067901695	0.109276914	2	11	5	0.031907472	0.051349971
2	11	6	0.067901695	0.109276914	2	11	6	0.031907472	0.051349971
2	11	7	0.067901695	0.109276914	2	11	7	0.031907472	0.051349971
2	11	8	0.067901695	0.109276914	2	11	8	0.031907472	0.051349971
2	11	9	0.067901695	0.109276914	2	11	9	0.031907472	0.051349971
2	11	10	0.067901695	0.109276914	2	11	10	0.031907472	0.051349971
2	11	11	0.067901695	0.109276914	2	11	11	0.031907472	0.051349971
2	11	12	0.067901695	0.109276914	2	11	12	0.031907472	0.051349971
2	11	13	0.067901695	0.109276914	2	11	13	0.031907472	0.051349971
2	11	14	0.067901695	0.109276914	2	11	14	0.031907472	0.051349971
2	11	15	0.067901695	0.109276914	2	11	15	0.031907472	0.051349971
2	11	16	0.067901695	0.109276914	2	11	16	0.031907472	0.051349971
2	11	17	0.067901695	0.109276914	2	11	17	0.031907472	0.051349971
2	11	18	0.067901695	0.109276914	2	11	18	0.031907472	0.051349971
2	11	19	0.067901695	0.109276914	2	11	19	0.031907472	0.051349971
2	11	20	0.067901695	0.109276914	2	11	20	0.031907472	0.051349971
2	11	21	0.067901695	0.109276914	2	11	21	0.031907472	0.051349971
2	11	22	0.067901695	0.109276914	2	11	22	0.031907472	0.051349971
2	11	23	0.067901695	0.109276914	2	11	23	0.031907472	0.051349971
2	11	24	0.067901695	0.109276914	2	11	24	0.031907472	0.051349971

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	13	1	0.049970636	0.080419744	2	13	1	0.027351072	0.044017175
2	13	2	0.049970636	0.080419744	2	13	2	0.027351072	0.044017175
2	13	3	0.049970636	0.080419744	2	13	3	0.027351072	0.044017175
2	13	4	0.049970636	0.080419744	2	13	4	0.027351072	0.044017175
2	13	5	0.049970636	0.080419744	2	13	5	0.027351072	0.044017175
2	13	6	0.049970636	0.080419744	2	13	6	0.027351072	0.044017175
2	13	7	0.049970636	0.080419744	2	13	7	0.027351072	0.044017175
2	13	8	0.049970636	0.080419744	2	13	8	0.027351072	0.044017175
2	13	9	0.049970636	0.080419744	2	13	9	0.027351072	0.044017175
2	13	10	0.049970636	0.080419744	2	13	10	0.027351072	0.044017175
2	13	11	0.049970636	0.080419744	2	13	11	0.027351072	0.044017175
2	13	12	0.049970636	0.080419744	2	13	12	0.027351072	0.044017175
2	13	13	0.049970636	0.080419744	2	13	13	0.027351072	0.044017175
2	13	14	0.049970636	0.080419744	2	13	14	0.027351072	0.044017175
2	13	15	0.049970636	0.080419744	2	13	15	0.027351072	0.044017175
2	13	16	0.049970636	0.080419744	2	13	16	0.027351072	0.044017175
2	13	17	0.049970636	0.080419744	2	13	17	0.027351072	0.044017175
2	13	18	0.049970636	0.080419744	2	13	18	0.027351072	0.044017175
2	13	19	0.049970636	0.080419744	2	13	19	0.027351072	0.044017175
2	13	20	0.049970636	0.080419744	2	13	20	0.027351072	0.044017175
2	13	21	0.049970636	0.080419744	2	13	21	0.027351072	0.044017175
2	13	22	0.049970636	0.080419744	2	13	22	0.027351072	0.044017175
2	13	23	0.049970636	0.080419744	2	13	23	0.027351072	0.044017175
2	13	24	0.049970636	0.080419744	2	13	24	0.027351072	0.044017175
3	1	1	0.969015182	1.559474894	3	1	1	0.353874416	0.569504252
3	1	2	0.969015182	1.559474894	3	1	2	0.353874416	0.569504252
3	1	3	0.969015182	1.559474894	3	1	3	0.353874416	0.569504252
3	1	4	0.969015182	1.559474894	3	1	4	0.353874416	0.569504252
3	1	5	0.969015182	1.559474894	3	1	5	0.353874416	0.569504252
3	1	6	0.969015182	1.559474894	3	1	6	0.353874416	0.569504252
3	1	7	0.969015182	1.559474894	3	1	7	0.353874416	0.569504252
3	1	8	0.969015182	1.559474894	3	1	8	0.353874416	0.569504252
3	1	9	0.969015182	1.559474894	3	1	9	0.353874416	0.569504252
3	1	10	0.969015182	1.559474894	3	1	10	0.353874416	0.569504252
3	1	11	0.969015182	1.559474894	3	1	11	0.353874416	0.569504252
3	1	12	0.969015182	1.559474894	3	1	12	0.353874416	0.569504252
3	1	13	0.969015182	1.559474894	3	1	13	0.353874416	0.569504252
3	1	14	0.969015182	1.559474894	3	1	14	0.353874416	0.569504252
3	1	15	0.969015182	1.559474894	3	1	15	0.353874416	0.569504252
3	1	16	0.969015182	1.559474894	3	1	16	0.353874416	0.569504252
3	1	17	0.969015182	1.559474894	3	1	17	0.353874416	0.569504252
3	1	18	0.969015182	1.559474894	3	1	18	0.353874416	0.569504252
3	1	19	0.969015182	1.559474894	3	1	19	0.353874416	0.569504252
3	1	20	0.969015182	1.559474894	3	1	20	0.353874416	0.569504252
3	1	21	0.969015182	1.559474894	3	1	21	0.353874416	0.569504252
3	1	22	0.969015182	1.559474894	3	1	22	0.353874416	0.569504252
3	1	23	0.969015182	1.559474894	3	1	23	0.353874416	0.569504252
3	1	24	0.969015182	1.559474894	3	1	24	0.353874416	0.569504252
3	7	1	0.138308661	0.222585661	3	7	1	0.047747743	0.076842353
3	7	2	0.138308661	0.222585661	3	7	2	0.047747743	0.076842353
3	7	3	0.138308661	0.222585661	3	7	3	0.047747743	0.076842353
3	7	4	0.138308661	0.222585661	3	7	4	0.047747743	0.076842353
3	7	5	0.138308661	0.222585661	3	7	5	0.047747743	0.076842353
3	7	6	0.138308661	0.222585661	3	7	6	0.047747743	0.076842353
3	7	7	0.138308661	0.222585661	3	7	7	0.047747743	0.076842353
3	7	8	0.138308661	0.222585661	3	7	8	0.047747743	0.076842353
3	7	9	0.138308661	0.222585661	3	7	9	0.047747743	0.076842353
3	7	10	0.138308661	0.222585661	3	7	10	0.047747743	0.076842353
3	7	11	0.138308661	0.222585661	3	7	11	0.047747743	0.076842353
3	7	12	0.138308661	0.222585661	3	7	12	0.047747743	0.076842353
3	7	13	0.138308661	0.222585661	3	7	13	0.047747743	0.076842353
3	7	14	0.138308661	0.222585661	3	7	14	0.047747743	0.076842353
3	7	15	0.138308661	0.222585661	3	7	15	0.047747743	0.076842353
3	7	16	0.138308661	0.222585661	3	7	16	0.047747743	0.076842353
3	7	17	0.138308661	0.222585661	3	7	17	0.047747743	0.076842353
3	7	18	0.138308661	0.222585661	3	7	18	0.047747743	0.076842353
3	7	19	0.138308661	0.222585661	3	7	19	0.047747743	0.076842353
3	7	20	0.138308661	0.222585661	3	7	20	0.047747743	0.076842353
3	7	21	0.138308661	0.222585661	3	7	21	0.047747743	0.076842353
3	7	22	0.138308661	0.222585661	3	7	22	0.047747743	0.076842353
3	7	23	0.138308661	0.222585661	3	7	23	0.047747743	0.076842353
3	7	24	0.138308661	0.222585661	3	7	24	0.047747743	0.076842353

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
3	8	1	0.113022746	0.181892027	3	8	1	0.042004049	0.067598796
3	8	2	0.113022746	0.181892027	3	8	2	0.042004049	0.067598796
3	8	3	0.113022746	0.181892027	3	8	3	0.042004049	0.067598796
3	8	4	0.113022746	0.181892027	3	8	4	0.042004049	0.067598796
3	8	5	0.113022746	0.181892027	3	8	5	0.042004049	0.067598796
3	8	6	0.113022746	0.181892027	3	8	6	0.042004049	0.067598796
3	8	7	0.113022746	0.181892027	3	8	7	0.042004049	0.067598796
3	8	8	0.113022746	0.181892027	3	8	8	0.042004049	0.067598796
3	8	9	0.113022746	0.181892027	3	8	9	0.042004049	0.067598796
3	8	10	0.113022746	0.181892027	3	8	10	0.042004049	0.067598796
3	8	11	0.113022746	0.181892027	3	8	11	0.042004049	0.067598796
3	8	12	0.113022746	0.181892027	3	8	12	0.042004049	0.067598796
3	8	13	0.113022746	0.181892027	3	8	13	0.042004049	0.067598796
3	8	14	0.113022746	0.181892027	3	8	14	0.042004049	0.067598796
3	8	15	0.113022746	0.181892027	3	8	15	0.042004049	0.067598796
3	8	16	0.113022746	0.181892027	3	8	16	0.042004049	0.067598796
3	8	17	0.113022746	0.181892027	3	8	17	0.042004049	0.067598796
3	8	18	0.113022746	0.181892027	3	8	18	0.042004049	0.067598796
3	8	19	0.113022746	0.181892027	3	8	19	0.042004049	0.067598796
3	8	20	0.113022746	0.181892027	3	8	20	0.042004049	0.067598796
3	8	21	0.113022746	0.181892027	3	8	21	0.042004049	0.067598796
3	8	22	0.113022746	0.181892027	3	8	22	0.042004049	0.067598796
3	8	23	0.113022746	0.181892027	3	8	23	0.042004049	0.067598796
3	8	24	0.113022746	0.181892027	3	8	24	0.042004049	0.067598796
3	10	1	0.079135893	0.127356558	3	10	1	0.035006637	0.056337581
3	10	2	0.079135893	0.127356558	3	10	2	0.035006637	0.056337581
3	10	3	0.079135893	0.127356558	3	10	3	0.035006637	0.056337581
3	10	4	0.079135893	0.127356558	3	10	4	0.035006637	0.056337581
3	10	5	0.079135893	0.127356558	3	10	5	0.035006637	0.056337581
3	10	6	0.079135893	0.127356558	3	10	6	0.035006637	0.056337581
3	10	7	0.079135893	0.127356558	3	10	7	0.035006637	0.056337581
3	10	8	0.079135893	0.127356558	3	10	8	0.035006637	0.056337581
3	10	9	0.079135893	0.127356558	3	10	9	0.035006637	0.056337581
3	10	10	0.079135893	0.127356558	3	10	10	0.035006637	0.056337581
3	10	11	0.079135893	0.127356558	3	10	11	0.035006637	0.056337581
3	10	12	0.079135893	0.127356558	3	10	12	0.035006637	0.056337581
3	10	13	0.079135893	0.127356558	3	10	13	0.035006637	0.056337581
3	10	14	0.079135893	0.127356558	3	10	14	0.035006637	0.056337581
3	10	15	0.079135893	0.127356558	3	10	15	0.035006637	0.056337581
3	10	16	0.079135893	0.127356558	3	10	16	0.035006637	0.056337581
3	10	17	0.079135893	0.127356558	3	10	17	0.035006637	0.056337581
3	10	18	0.079135893	0.127356558	3	10	18	0.035006637	0.056337581
3	10	19	0.079135893	0.127356558	3	10	19	0.035006637	0.056337581
3	10	20	0.079135893	0.127356558	3	10	20	0.035006637	0.056337581
3	10	21	0.079135893	0.127356558	3	10	21	0.035006637	0.056337581
3	10	22	0.079135893	0.127356558	3	10	22	0.035006637	0.056337581
3	10	23	0.079135893	0.127356558	3	10	23	0.035006637	0.056337581
3	10	24	0.079135893	0.127356558	3	10	24	0.035006637	0.056337581
3	11	1	0.067325056	0.108348905	3	11	1	0.032475774	0.052264562
3	11	2	0.067325056	0.108348905	3	11	2	0.032475774	0.052264562
3	11	3	0.067325056	0.108348905	3	11	3	0.032475827	0.052264647
3	11	4	0.067325056	0.108348905	3	11	4	0.032475774	0.052264562
3	11	5	0.067325056	0.108348905	3	11	5	0.032475774	0.052264562
3	11	6	0.067325056	0.108348905	3	11	6	0.032475774	0.052264562
3	11	7	0.067325056	0.108348905	3	11	7	0.032475774	0.052264562
3	11	8	0.067325056	0.108348905	3	11	8	0.032475774	0.052264562
3	11	9	0.067325056	0.108348905	3	11	9	0.032475774	0.052264562
3	11	10	0.067325056	0.108348905	3	11	10	0.032475774	0.052264562
3	11	11	0.067325056	0.108348905	3	11	11	0.032475774	0.052264562
3	11	12	0.067325056	0.108348905	3	11	12	0.032475774	0.052264562
3	11	13	0.067325056	0.108348905	3	11	13	0.032475774	0.052264562
3	11	14	0.067325056	0.108348905	3	11	14	0.032475774	0.052264562
3	11	15	0.067325056	0.108348905	3	11	15	0.032475774	0.052264562
3	11	16	0.067325056	0.108348905	3	11	16	0.032475774	0.052264562
3	11	17	0.067325056	0.108348905	3	11	17	0.032475774	0.052264562
3	11	18	0.067325056	0.108348905	3	11	18	0.032475774	0.052264562
3	11	19	0.067325056	0.108348905	3	11	19	0.032475774	0.052264562
3	11	20	0.067325056	0.108348905	3	11	20	0.032475774	0.052264562
3	11	21	0.067325056	0.108348905	3	11	21	0.032475774	0.052264562
3	11	22	0.067325056	0.108348905	3	11	22	0.032475774	0.052264562
3	11	23	0.067325056	0.108348905	3	11	23	0.032475774	0.052264562
3	11	24	0.067325056	0.108348905	3	11	24	0.032475774	0.052264562

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	6	1	0.173412388	0.279079492	5	6	1	0.05814226	0.093570664
5	6	2	0.173412388	0.279079492	5	6	2	0.05814226	0.093570664
5	6	3	0.173412388	0.279079492	5	6	3	0.05814226	0.093570664
5	6	4	0.173412388	0.279079492	5	6	4	0.05814226	0.093570664
5	6	5	0.173412388	0.279079492	5	6	5	0.05814226	0.093570664
5	6	6	0.173412388	0.279079492	5	6	6	0.05814226	0.093570664
5	6	7	0.173412388	0.279079492	5	6	7	0.05814226	0.093570664
5	6	8	0.173412388	0.279079492	5	6	8	0.05814226	0.093570664
5	6	9	0.173412388	0.279079492	5	6	9	0.05814226	0.093570664
5	6	10	0.173412388	0.279079492	5	6	10	0.05814226	0.093570664
5	6	11	0.173412388	0.279079492	5	6	11	0.05814226	0.093570664
5	6	12	0.173412388	0.279079492	5	6	12	0.05814226	0.093570664
5	6	13	0.173412388	0.279079492	5	6	13	0.05814226	0.093570664
5	6	14	0.173412388	0.279079492	5	6	14	0.05814226	0.093570664
5	6	15	0.173412388	0.279079492	5	6	15	0.05814226	0.093570664
5	6	16	0.173412388	0.279079492	5	6	16	0.05814226	0.093570664
5	6	17	0.173412388	0.279079492	5	6	17	0.05814226	0.093570664
5	6	18	0.173412388	0.279079492	5	6	18	0.05814226	0.093570664
5	6	19	0.173412388	0.279079492	5	6	19	0.05814226	0.093570664
5	6	20	0.173412388	0.279079492	5	6	20	0.05814226	0.093570664
5	6	21	0.173412388	0.279079492	5	6	21	0.05814226	0.093570664
5	6	22	0.173412388	0.279079492	5	6	22	0.05814226	0.093570664
5	6	23	0.173412388	0.279079492	5	6	23	0.05814226	0.093570664
5	6	24	0.173412388	0.279079492	5	6	24	0.05814226	0.093570664
5	8	1	0.113190278	0.182161641	5	8	1	0.041654655	0.067036502
5	8	2	0.113190278	0.182161641	5	8	2	0.041654655	0.067036502
5	8	3	0.113190278	0.182161641	5	8	3	0.041654655	0.067036502
5	8	4	0.113190278	0.182161641	5	8	4	0.041654655	0.067036502
5	8	5	0.113190278	0.182161641	5	8	5	0.041654655	0.067036502
5	8	6	0.113190278	0.182161641	5	8	6	0.041654655	0.067036502
5	8	7	0.113190278	0.182161641	5	8	7	0.041654655	0.067036502
5	8	8	0.113190278	0.182161641	5	8	8	0.041654655	0.067036502
5	8	9	0.113190278	0.182161641	5	8	9	0.041654655	0.067036502
5	8	10	0.113190278	0.182161641	5	8	10	0.041654655	0.067036502
5	8	11	0.113190278	0.182161641	5	8	11	0.041654655	0.067036502
5	8	12	0.113190278	0.182161641	5	8	12	0.041654655	0.067036502
5	8	13	0.113190278	0.182161641	5	8	13	0.041654655	0.067036502
5	8	14	0.113190278	0.182161641	5	8	14	0.041654655	0.067036502
5	8	15	0.113190278	0.182161641	5	8	15	0.041654655	0.067036502
5	8	16	0.113190278	0.182161641	5	8	16	0.041654655	0.067036502
5	8	17	0.113190278	0.182161641	5	8	17	0.041654655	0.067036502
5	8	18	0.113190278	0.182161641	5	8	18	0.041654655	0.067036502
5	8	19	0.113190278	0.182161641	5	8	19	0.041654655	0.067036502
5	8	20	0.113190278	0.182161641	5	8	20	0.041654655	0.067036502
5	8	21	0.113190278	0.182161641	5	8	21	0.041654655	0.067036502
5	8	22	0.113190278	0.182161641	5	8	22	0.041654655	0.067036502
5	8	23	0.113190278	0.182161641	5	8	23	0.041654655	0.067036502
5	8	24	0.113190278	0.182161641	5	8	24	0.041654655	0.067036502

CAR Travel Emission Rate Calculation: GHG (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	11	1	0.065496973	0.105406899	5	11	1	0.03106468	0.049993632
5	11	2	0.065496973	0.105406899	5	11	2	0.03106468	0.049993632
5	11	3	0.065496973	0.105406899	5	11	3	0.03106468	0.049993632
5	11	4	0.065496973	0.105406899	5	11	4	0.03106468	0.049993632
5	11	5	0.065496973	0.105406899	5	11	5	0.03106468	0.049993632
5	11	6	0.065496973	0.105406899	5	11	6	0.03106468	0.049993632
5	11	7	0.065496973	0.105406899	5	11	7	0.03106468	0.049993632
5	11	8	0.065496973	0.105406899	5	11	8	0.03106468	0.049993632
5	11	9	0.065496973	0.105406899	5	11	9	0.03106468	0.049993632
5	11	10	0.065496973	0.105406899	5	11	10	0.03106468	0.049993632
5	11	11	0.065496973	0.105406899	5	11	11	0.03106468	0.049993632
5	11	12	0.065496973	0.105406899	5	11	12	0.03106468	0.049993632
5	11	13	0.065496973	0.105406899	5	11	13	0.03106468	0.049993632
5	11	14	0.065496973	0.105406899	5	11	14	0.03106468	0.049993632
5	11	15	0.065496973	0.105406899	5	11	15	0.03106468	0.049993632
5	11	16	0.065496973	0.105406899	5	11	16	0.03106468	0.049993632
5	11	17	0.065496973	0.105406899	5	11	17	0.03106468	0.049993632
5	11	18	0.065496973	0.105406899	5	11	18	0.03106468	0.049993632
5	11	19	0.065496973	0.105406899	5	11	19	0.03106468	0.049993632
5	11	20	0.065496973	0.105406899	5	11	20	0.03106468	0.049993632
5	11	21	0.065496973	0.105406899	5	11	21	0.03106468	0.049993632
5	11	22	0.065496973	0.105406899	5	11	22	0.03106468	0.049993632
5	11	23	0.065496973	0.105406899	5	11	23	0.03106468	0.049993632
5	11	24	0.065496973	0.105406899	5	11	24	0.03106468	0.049993632
5	7	1	0.138308661	0.222585661	5	7	1	0.047747743	0.076842353
5	7	2	0.138308661	0.222585661	5	7	2	0.047747743	0.076842353
5	7	3	0.138308661	0.222585661	5	7	3	0.047747743	0.076842353
5	7	4	0.138308661	0.222585661	5	7	4	0.047747743	0.076842353
5	7	5	0.138308661	0.222585661	5	7	5	0.047747743	0.076842353
5	7	6	0.138308661	0.222585661	5	7	6	0.047747743	0.076842353
5	7	7	0.138308661	0.222585661	5	7	7	0.047747743	0.076842353
5	7	8	0.138308661	0.222585661	5	7	8	0.047747743	0.076842353
5	7	9	0.138308661	0.222585661	5	7	9	0.047747743	0.076842353
5	7	10	0.138308661	0.222585661	5	7	10	0.047747743	0.076842353
5	7	11	0.138308661	0.222585661	5	7	11	0.047747743	0.076842353
5	7	12	0.138308661	0.222585661	5	7	12	0.047747743	0.076842353
5	7	13	0.138308661	0.222585661	5	7	13	0.047747743	0.076842353
5	7	14	0.138308661	0.222585661	5	7	14	0.047747743	0.076842353
5	7	15	0.138308661	0.222585661	5	7	15	0.047747743	0.076842353
5	7	16	0.138308661	0.222585661	5	7	16	0.047747743	0.076842353
5	7	17	0.138308661	0.222585661	5	7	17	0.047747743	0.076842353
5	7	18	0.138308661	0.222585661	5	7	18	0.047747743	0.076842353
5	7	19	0.138308661	0.222585661	5	7	19	0.047747743	0.076842353
5	7	20	0.138308661	0.222585661	5	7	20	0.047747743	0.076842353
5	7	21	0.138308661	0.222585661	5	7	21	0.047747743	0.076842353
5	7	22	0.138308661	0.222585661	5	7	22	0.047747743	0.076842353
5	7	23	0.138308661	0.222585661	5	7	23	0.047747743	0.076842353
5	7	24	0.138308661	0.222585661	5	7	24	0.047747743	0.076842353

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	17093.727	27509.62	1	0	1	1.916281	3.083947
1	0	2	17093.727	27509.62	1	0	2	1.916281	3.083947
1	0	3	17093.727	27509.62	1	0	3	1.916281	3.083947
1	0	4	17093.727	27509.62	1	0	4	1.916281	3.083947
1	0	5	17093.727	27509.62	1	0	5	1.916281	3.083947
1	0	6	17093.727	27509.62	1	0	6	1.916281	3.083947
1	0	7	17093.727	27509.62	1	0	7	1.916281	3.083947
1	0	8	17093.727	27509.62	1	0	8	1.916281	3.083947
1	0	9	17093.727	27509.62	1	0	9	1.916281	3.083947
1	0	10	17093.727	27509.62	1	0	10	1.916281	3.083947
1	0	11	17093.727	27509.62	1	0	11	1.916281	3.083947
1	0	12	17093.727	27509.62	1	0	12	1.916281	3.083947
1	0	13	17093.727	27509.62	1	0	13	1.916281	3.083947
1	0	14	17093.727	27509.62	1	0	14	1.916281	3.083947
1	0	15	17093.727	27509.62	1	0	15	1.916281	3.083947
1	0	16	17093.727	27509.62	1	0	16	1.916281	3.083947
1	0	17	17093.727	27509.62	1	0	17	1.916281	3.083947
1	0	18	17093.727	27509.62	1	0	18	1.916281	3.083947
1	0	19	17093.727	27509.62	1	0	19	1.916281	3.083947
1	0	20	17093.727	27509.62	1	0	20	1.916281	3.083947
1	0	21	17093.727	27509.62	1	0	21	1.916281	3.083947
1	0	22	17093.727	27509.62	1	0	22	1.916281	3.083947
1	0	23	17093.727	27509.62	1	0	23	1.916281	3.083947
1	0	24	17093.727	27509.62	1	0	24	1.916281	3.083947
2	1	1	12490.211	20101	2	1	1	0.985375	1.585803
2	1	2	12490.211	20101	2	1	2	0.985375	1.585803
2	1	3	12490.211	20101	2	1	3	0.985375	1.585803
2	1	4	12490.211	20101	2	1	4	0.985375	1.585803
2	1	5	12490.211	20101	2	1	5	0.985375	1.585803
2	1	6	12490.211	20101	2	1	6	0.985375	1.585803
2	1	7	12490.211	20101	2	1	7	0.985375	1.585803
2	1	8	12490.211	20101	2	1	8	0.985375	1.585803
2	1	9	12490.211	20101	2	1	9	0.985375	1.585803
2	1	10	12490.211	20101	2	1	10	0.985375	1.585803
2	1	11	12490.211	20101	2	1	11	0.985375	1.585803
2	1	12	12490.211	20101	2	1	12	0.985375	1.585803
2	1	13	12490.211	20101	2	1	13	0.985375	1.585803
2	1	14	12490.211	20101	2	1	14	0.985375	1.585803
2	1	15	12490.211	20101	2	1	15	0.985375	1.585803
2	1	16	12490.211	20101	2	1	16	0.985375	1.585803
2	1	17	12490.211	20101	2	1	17	0.985375	1.585803
2	1	18	12490.211	20101	2	1	18	0.985375	1.585803
2	1	19	12490.211	20101	2	1	19	0.985375	1.585803
2	1	20	12490.211	20101	2	1	20	0.985375	1.585803
2	1	21	12490.211	20101	2	1	21	0.985375	1.585803
2	1	22	12490.211	20101	2	1	22	0.985375	1.585803
2	1	23	12490.211	20101	2	1	23	0.985375	1.585803
2	1	24	12490.211	20101	2	1	24	0.985375	1.585803
2	5	1	3506.4732	5643.108	2	5	1	0.206737	0.33271
2	5	2	3506.4732	5643.108	2	5	2	0.206737	0.33271
2	5	3	3506.4732	5643.108	2	5	3	0.206737	0.33271
2	5	4	3506.4732	5643.108	2	5	4	0.206737	0.33271
2	5	5	3506.4732	5643.108	2	5	5	0.206737	0.33271
2	5	6	3506.4732	5643.108	2	5	6	0.206737	0.33271
2	5	7	3506.4732	5643.108	2	5	7	0.206737	0.33271
2	5	8	3506.4732	5643.108	2	5	8	0.206737	0.33271

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	9	3506.4732	5643.108	2	5	9	0.206737	0.33271
2	5	10	3506.4732	5643.108	2	5	10	0.206737	0.33271
2	5	11	3506.4732	5643.108	2	5	11	0.206737	0.33271
2	5	12	3506.4732	5643.108	2	5	12	0.206737	0.33271
2	5	13	3506.4732	5643.108	2	5	13	0.206737	0.33271
2	5	14	3506.473	5643.107	2	5	14	0.206737	0.33271
2	5	15	3506.4732	5643.108	2	5	15	0.206737	0.33271
2	5	16	3506.4732	5643.108	2	5	16	0.206737	0.33271
2	5	17	3506.473	5643.107	2	5	17	0.206737	0.33271
2	5	18	3506.4732	5643.108	2	5	18	0.206737	0.33271
2	5	19	3506.4732	5643.108	2	5	19	0.206737	0.33271
2	5	20	3506.4732	5643.108	2	5	20	0.206737	0.33271
2	5	21	3506.4732	5643.108	2	5	21	0.206737	0.33271
2	5	22	3506.4732	5643.108	2	5	22	0.206737	0.33271
2	5	23	3506.4732	5643.108	2	5	23	0.206737	0.33271
2	5	24	3506.4732	5643.108	2	5	24	0.206737	0.33271
2	6	1	3194.13	5140.441	2	6	1	0.181445	0.292006
2	6	2	3194.13	5140.441	2	6	2	0.181445	0.292006
2	6	3	3194.13	5140.441	2	6	3	0.181445	0.292006
2	6	4	3194.13	5140.441	2	6	4	0.181445	0.292006
2	6	5	3194.13	5140.441	2	6	5	0.181445	0.292006
2	6	6	3194.13	5140.441	2	6	6	0.181445	0.292006
2	6	7	3194.13	5140.441	2	6	7	0.181445	0.292006
2	6	8	3194.13	5140.441	2	6	8	0.181445	0.292006
2	6	9	3194.13	5140.441	2	6	9	0.181445	0.292006
2	6	10	3194.13	5140.441	2	6	10	0.181445	0.292006
2	6	11	3194.13	5140.441	2	6	11	0.181445	0.292006
2	6	12	3194.13	5140.441	2	6	12	0.181445	0.292006
2	6	13	3194.1299	5140.441	2	6	13	0.181445	0.292006
2	6	14	3194.13	5140.441	2	6	14	0.181445	0.292006
2	6	15	3194.13	5140.441	2	6	15	0.181445	0.292006
2	6	16	3194.13	5140.441	2	6	16	0.181445	0.292006
2	6	17	3194.13	5140.441	2	6	17	0.181445	0.292006
2	6	18	3194.13	5140.441	2	6	18	0.181445	0.292006
2	6	19	3194.13	5140.441	2	6	19	0.181445	0.292006
2	6	20	3194.13	5140.441	2	6	20	0.181445	0.292006
2	6	21	3194.13	5140.441	2	6	21	0.181445	0.292006
2	6	22	3194.13	5140.441	2	6	22	0.181445	0.292006
2	6	23	3194.13	5140.441	2	6	23	0.181445	0.292006
2	6	24	3194.13	5140.441	2	6	24	0.181445	0.292006
2	7	1	3103.2807	4994.234	2	7	1	0.169661	0.273043
2	7	2	3103.2807	4994.234	2	7	2	0.169661	0.273043
2	7	3	3103.2807	4994.234	2	7	3	0.169661	0.273043
2	7	4	3103.2807	4994.234	2	7	4	0.169661	0.273043
2	7	5	3103.2807	4994.234	2	7	5	0.169661	0.273043
2	7	6	3103.2807	4994.234	2	7	6	0.169661	0.273043
2	7	7	3103.2807	4994.234	2	7	7	0.169661	0.273043
2	7	8	3103.2807	4994.234	2	7	8	0.169661	0.273043
2	7	9	3103.2807	4994.234	2	7	9	0.169661	0.273043
2	7	10	3103.2807	4994.234	2	7	10	0.169661	0.273043
2	7	11	3103.2807	4994.234	2	7	11	0.169661	0.273043
2	7	12	3103.2807	4994.234	2	7	12	0.169661	0.273043
2	7	13	3103.2807	4994.234	2	7	13	0.169661	0.273043
2	7	14	3103.2807	4994.234	2	7	14	0.169661	0.273043
2	7	15	3103.2807	4994.234	2	7	15	0.169661	0.273043
2	7	16	3103.2807	4994.234	2	7	16	0.169661	0.273043

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	17	3103.2807	4994.234	2	7	17	0.169661	0.273043
2	7	18	3103.2807	4994.234	2	7	18	0.169661	0.273043
2	7	19	3103.2807	4994.234	2	7	19	0.169661	0.273043
2	7	20	3103.2807	4994.234	2	7	20	0.169661	0.273043
2	7	21	3103.2807	4994.234	2	7	21	0.169661	0.273043
2	7	22	3103.2807	4994.234	2	7	22	0.169661	0.273043
2	7	23	3103.2807	4994.234	2	7	23	0.169661	0.273043
2	7	24	3103.2807	4994.234	2	7	24	0.169661	0.273043
2	8	1	2721.3176	4379.525	2	8	1	0.148635	0.239204
2	8	2	2721.3176	4379.525	2	8	2	0.148635	0.239204
2	8	3	2721.3176	4379.525	2	8	3	0.148635	0.239204
2	8	4	2721.3176	4379.525	2	8	4	0.148635	0.239204
2	8	5	2721.3176	4379.525	2	8	5	0.148635	0.239204
2	8	6	2721.3176	4379.525	2	8	6	0.148635	0.239204
2	8	7	2721.3176	4379.525	2	8	7	0.148635	0.239204
2	8	8	2721.3176	4379.525	2	8	8	0.148635	0.239204
2	8	9	2721.3176	4379.525	2	8	9	0.148635	0.239204
2	8	10	2721.3176	4379.525	2	8	10	0.148635	0.239204
2	8	11	2721.3176	4379.525	2	8	11	0.148635	0.239204
2	8	12	2721.3176	4379.525	2	8	12	0.148635	0.239204
2	8	13	2721.3176	4379.525	2	8	13	0.148635	0.239204
2	8	14	2721.3176	4379.525	2	8	14	0.148635	0.239204
2	8	15	2721.3176	4379.525	2	8	15	0.148635	0.239204
2	8	16	2721.3176	4379.525	2	8	16	0.148635	0.239204
2	8	17	2721.3176	4379.525	2	8	17	0.148635	0.239204
2	8	18	2721.3176	4379.525	2	8	18	0.148635	0.239204
2	8	19	2721.3176	4379.525	2	8	19	0.148635	0.239204
2	8	20	2721.3176	4379.525	2	8	20	0.148635	0.239204
2	8	21	2721.3176	4379.525	2	8	21	0.148635	0.239204
2	8	22	2721.3176	4379.525	2	8	22	0.148635	0.239204
2	8	23	2721.3176	4379.525	2	8	23	0.148635	0.239204
2	8	24	2721.3176	4379.525	2	8	24	0.148635	0.239204
2	10	1	2599.4391	4183.381	2	10	1	0.136263	0.219294
2	10	2	2599.4391	4183.381	2	10	2	0.136263	0.219294
2	10	3	2599.4391	4183.381	2	10	3	0.136263	0.219294
2	10	4	2599.4391	4183.381	2	10	4	0.136263	0.219294
2	10	5	2599.4391	4183.381	2	10	5	0.136263	0.219294
2	10	6	2599.4391	4183.381	2	10	6	0.136263	0.219294
2	10	7	2599.4391	4183.381	2	10	7	0.136263	0.219294
2	10	8	2599.4391	4183.381	2	10	8	0.136263	0.219294
2	10	9	2599.4391	4183.381	2	10	9	0.136263	0.219294
2	10	10	2599.4391	4183.381	2	10	10	0.136263	0.219294
2	10	11	2599.4391	4183.381	2	10	11	0.136263	0.219294
2	10	12	2599.4391	4183.381	2	10	12	0.136263	0.219294
2	10	13	2599.4391	4183.381	2	10	13	0.136263	0.219294
2	10	14	2599.4391	4183.381	2	10	14	0.136263	0.219294
2	10	15	2599.4391	4183.381	2	10	15	0.136263	0.219294
2	10	16	2599.4391	4183.381	2	10	16	0.136263	0.219294
2	10	17	2599.4391	4183.381	2	10	17	0.136263	0.219294
2	10	18	2599.4391	4183.381	2	10	18	0.136263	0.219294
2	10	19	2599.4391	4183.381	2	10	19	0.136263	0.219294
2	10	20	2599.4391	4183.381	2	10	20	0.136263	0.219294
2	10	21	2599.4391	4183.381	2	10	21	0.136263	0.219294
2	10	22	2599.4391	4183.381	2	10	22	0.136263	0.219294
2	10	23	2599.4391	4183.381	2	10	23	0.136263	0.219294
2	10	24	2599.4391	4183.381	2	10	24	0.136263	0.219294

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	11	1	2526.6612	4066.257	2	11	1	0.130218	0.209566
2	11	2	2526.6612	4066.257	2	11	2	0.130218	0.209566
2	11	3	2526.6612	4066.257	2	11	3	0.130218	0.209566
2	11	4	2526.6612	4066.257	2	11	4	0.130218	0.209566
2	11	5	2526.6612	4066.257	2	11	5	0.130218	0.209566
2	11	6	2526.6612	4066.257	2	11	6	0.130218	0.209566
2	11	7	2526.6612	4066.257	2	11	7	0.130218	0.209566
2	11	8	2526.6612	4066.257	2	11	8	0.130218	0.209566
2	11	9	2526.6612	4066.257	2	11	9	0.130218	0.209566
2	11	10	2526.6612	4066.257	2	11	10	0.130218	0.209566
2	11	11	2526.6612	4066.257	2	11	11	0.130218	0.209566
2	11	12	2526.6612	4066.257	2	11	12	0.130218	0.209566
2	11	13	2526.6612	4066.257	2	11	13	0.130218	0.209566
2	11	14	2526.6612	4066.257	2	11	14	0.130218	0.209566
2	11	15	2526.6612	4066.257	2	11	15	0.130218	0.209566
2	11	16	2526.6612	4066.257	2	11	16	0.130218	0.209566
2	11	17	2526.6612	4066.257	2	11	17	0.130218	0.209566
2	11	18	2526.6612	4066.257	2	11	18	0.130218	0.209566
2	11	19	2526.6612	4066.257	2	11	19	0.130218	0.209566
2	11	20	2526.6612	4066.257	2	11	20	0.130218	0.209566
2	11	21	2526.6612	4066.257	2	11	21	0.130218	0.209566
2	11	22	2526.6612	4066.257	2	11	22	0.130218	0.209566
2	11	23	2526.6612	4066.257	2	11	23	0.130218	0.209566
2	11	24	2526.6612	4066.257	2	11	24	0.130218	0.209566
2	13	1	2447.5844	3938.995	2	13	1	0.123329	0.198479
2	13	2	2447.5842	3938.995	2	13	2	0.123329	0.198479
2	13	3	2447.5842	3938.995	2	13	3	0.123329	0.198479
2	13	4	2447.5842	3938.995	2	13	4	0.123329	0.198479
2	13	5	2447.5842	3938.995	2	13	5	0.123329	0.198479
2	13	6	2447.5842	3938.995	2	13	6	0.123329	0.198479
2	13	7	2447.5842	3938.995	2	13	7	0.123329	0.198479
2	13	8	2447.5842	3938.995	2	13	8	0.123329	0.198479
2	13	9	2447.5842	3938.995	2	13	9	0.123329	0.198479
2	13	10	2447.5842	3938.995	2	13	10	0.123329	0.198479
2	13	11	2447.5842	3938.995	2	13	11	0.123329	0.198479
2	13	12	2447.5842	3938.995	2	13	12	0.123329	0.198479
2	13	13	2447.5842	3938.995	2	13	13	0.123329	0.198479
2	13	14	2447.5842	3938.995	2	13	14	0.123329	0.198479
2	13	15	2447.5842	3938.995	2	13	15	0.123329	0.198479
2	13	16	2447.5842	3938.995	2	13	16	0.123329	0.198479
2	13	17	2447.5842	3938.995	2	13	17	0.123329	0.198479
2	13	18	2447.5842	3938.995	2	13	18	0.123329	0.198479
2	13	19	2447.5842	3938.995	2	13	19	0.123329	0.198479
2	13	20	2447.5842	3938.995	2	13	20	0.123329	0.198479
2	13	21	2447.5842	3938.995	2	13	21	0.123329	0.198479
2	13	22	2447.5842	3938.995	2	13	22	0.123329	0.198479
2	13	23	2447.5842	3938.995	2	13	23	0.123329	0.198479
2	13	24	2447.5842	3938.995	2	13	24	0.123329	0.198479
3	1	1	12285.525	19771.59	3	1	1	0.978147	1.574171
3	1	2	12285.525	19771.59	3	1	2	0.978147	1.574171
3	1	3	12285.525	19771.59	3	1	3	0.978147	1.574171
3	1	4	12285.525	19771.59	3	1	4	0.978147	1.574171
3	1	5	12285.525	19771.59	3	1	5	0.978147	1.574171
3	1	6	12285.525	19771.59	3	1	6	0.978147	1.574171
3	1	7	12285.525	19771.59	3	1	7	0.978147	1.574171
3	1	8	12285.525	19771.59	3	1	8	0.978147	1.574171

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	1	9	12285.525	19771.59	3	1	9	0.978147	1.574171
3	1	10	12285.525	19771.59	3	1	10	0.978147	1.574171
3	1	11	12285.525	19771.59	3	1	11	0.978147	1.574171
3	1	12	12285.525	19771.59	3	1	12	0.978147	1.574171
3	1	13	12285.525	19771.59	3	1	13	0.978147	1.574171
3	1	14	12285.525	19771.59	3	1	14	0.978147	1.574171
3	1	15	12285.525	19771.59	3	1	15	0.978147	1.574171
3	1	16	12285.525	19771.59	3	1	16	0.978147	1.574171
3	1	17	12285.525	19771.59	3	1	17	0.978147	1.574171
3	1	18	12285.525	19771.59	3	1	18	0.978147	1.574171
3	1	19	12285.525	19771.59	3	1	19	0.978147	1.574171
3	1	20	12285.525	19771.59	3	1	20	0.978147	1.574171
3	1	21	12285.525	19771.59	3	1	21	0.978147	1.574171
3	1	22	12285.525	19771.59	3	1	22	0.978147	1.574171
3	1	23	12285.525	19771.59	3	1	23	0.978147	1.574171
3	1	24	12285.525	19771.59	3	1	24	0.978147	1.574171
3	7	1	3112.7304	5009.442	3	7	1	0.169991	0.273574
3	7	2	3112.7304	5009.442	3	7	2	0.169991	0.273574
3	7	3	3112.7304	5009.442	3	7	3	0.169991	0.273574
3	7	4	3112.7304	5009.442	3	7	4	0.169991	0.273574
3	7	5	3112.7304	5009.442	3	7	5	0.169991	0.273574
3	7	6	3112.7304	5009.442	3	7	6	0.169991	0.273574
3	7	7	3112.7304	5009.442	3	7	7	0.169991	0.273574
3	7	8	3112.7304	5009.442	3	7	8	0.169991	0.273574
3	7	9	3112.7304	5009.442	3	7	9	0.169991	0.273574
3	7	10	3112.7304	5009.442	3	7	10	0.169991	0.273574
3	7	11	3112.7304	5009.442	3	7	11	0.169991	0.273574
3	7	12	3112.7304	5009.442	3	7	12	0.169991	0.273574
3	7	13	3112.7304	5009.442	3	7	13	0.169991	0.273574
3	7	14	3112.7304	5009.442	3	7	14	0.169991	0.273574
3	7	15	3112.7304	5009.442	3	7	15	0.169991	0.273574
3	7	16	3112.7304	5009.442	3	7	16	0.169991	0.273574
3	7	17	3112.7304	5009.442	3	7	17	0.169991	0.273574
3	7	18	3112.7304	5009.442	3	7	18	0.169991	0.273574
3	7	19	3112.7304	5009.442	3	7	19	0.169991	0.273574
3	7	20	3112.7304	5009.442	3	7	20	0.169991	0.273574
3	7	21	3112.7304	5009.442	3	7	21	0.169991	0.273574
3	7	22	3112.7304	5009.442	3	7	22	0.169991	0.273574
3	7	23	3112.7304	5009.442	3	7	23	0.169991	0.273574
3	7	24	3112.7304	5009.442	3	7	24	0.169991	0.273574
3	8	1	2761.4474	4444.108	3	8	1	0.150232	0.241774
3	8	2	2761.4474	4444.108	3	8	2	0.150232	0.241774
3	8	3	2761.4474	4444.108	3	8	3	0.150232	0.241774
3	8	4	2761.4474	4444.108	3	8	4	0.150232	0.241774
3	8	5	2761.4474	4444.108	3	8	5	0.150232	0.241774
3	8	6	2761.4474	4444.108	3	8	6	0.150232	0.241774
3	8	7	2761.4474	4444.108	3	8	7	0.150232	0.241774
3	8	8	2761.4474	4444.108	3	8	8	0.150232	0.241774
3	8	9	2761.4474	4444.108	3	8	9	0.150232	0.241774
3	8	10	2761.4474	4444.108	3	8	10	0.150232	0.241774
3	8	11	2761.4474	4444.108	3	8	11	0.150232	0.241774
3	8	12	2761.4474	4444.108	3	8	12	0.150232	0.241774
3	8	13	2761.4474	4444.108	3	8	13	0.150232	0.241774
3	8	14	2761.4474	4444.108	3	8	14	0.150232	0.241774
3	8	15	2761.4474	4444.108	3	8	15	0.150232	0.241774
3	8	16	2761.4474	4444.108	3	8	16	0.150232	0.241774

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	17	2761.4474	4444.108	3	8	17	0.150232	0.241774
3	8	18	2761.4474	4444.108	3	8	18	0.150232	0.241774
3	8	19	2761.4474	4444.108	3	8	19	0.150232	0.241774
3	8	20	2761.4474	4444.108	3	8	20	0.150232	0.241774
3	8	21	2761.4474	4444.108	3	8	21	0.150232	0.241774
3	8	22	2761.4474	4444.108	3	8	22	0.150232	0.241774
3	8	23	2761.4474	4444.108	3	8	23	0.150232	0.241774
3	8	24	2761.4474	4444.108	3	8	24	0.150232	0.241774
3	10	1	2622.415	4220.357	3	10	1	0.137125	0.220681
3	10	2	2622.415	4220.357	3	10	2	0.137125	0.220681
3	10	3	2622.415	4220.357	3	10	3	0.137125	0.220681
3	10	4	2622.415	4220.357	3	10	4	0.137125	0.220681
3	10	5	2622.415	4220.357	3	10	5	0.137125	0.220681
3	10	6	2622.415	4220.357	3	10	6	0.137125	0.220681
3	10	7	2622.415	4220.357	3	10	7	0.137125	0.220681
3	10	8	2622.415	4220.357	3	10	8	0.137125	0.220681
3	10	9	2622.415	4220.357	3	10	9	0.137125	0.220681
3	10	10	2622.415	4220.357	3	10	10	0.137125	0.220681
3	10	11	2622.415	4220.357	3	10	11	0.137125	0.220681
3	10	12	2622.415	4220.357	3	10	12	0.137125	0.220681
3	10	13	2622.415	4220.357	3	10	13	0.137125	0.220681
3	10	14	2622.415	4220.357	3	10	14	0.137125	0.220681
3	10	15	2622.415	4220.357	3	10	15	0.137125	0.220681
3	10	16	2622.415	4220.357	3	10	16	0.137125	0.220681
3	10	17	2622.415	4220.357	3	10	17	0.137125	0.220681
3	10	18	2622.415	4220.357	3	10	18	0.137125	0.220681
3	10	19	2622.415	4220.357	3	10	19	0.137125	0.220681
3	10	20	2622.415	4220.357	3	10	20	0.137125	0.220681
3	10	21	2622.415	4220.357	3	10	21	0.137125	0.220681
3	10	22	2622.415	4220.357	3	10	22	0.137125	0.220681
3	10	23	2622.415	4220.357	3	10	23	0.137125	0.220681
3	10	24	2622.415	4220.357	3	10	24	0.137125	0.220681
3	11	1	2537.3983	4083.537	3	11	1	0.130621	0.210214
3	11	2	2537.3983	4083.537	3	11	2	0.130621	0.210214
3	11	3	2537.3983	4083.537	3	11	3	0.130621	0.210214
3	11	4	2537.3983	4083.537	3	11	4	0.130621	0.210214
3	11	5	2537.3983	4083.537	3	11	5	0.130621	0.210214
3	11	6	2537.3983	4083.537	3	11	6	0.130621	0.210214
3	11	7	2537.3983	4083.537	3	11	7	0.130621	0.210214
3	11	8	2537.3983	4083.537	3	11	8	0.130621	0.210214
3	11	9	2537.3983	4083.537	3	11	9	0.130621	0.210214
3	11	10	2537.3983	4083.537	3	11	10	0.130621	0.210214
3	11	11	2537.3983	4083.537	3	11	11	0.130621	0.210214
3	11	12	2537.3983	4083.537	3	11	12	0.130621	0.210214
3	11	13	2537.3983	4083.537	3	11	13	0.130621	0.210214
3	11	14	2537.3983	4083.537	3	11	14	0.130621	0.210214
3	11	15	2537.3983	4083.537	3	11	15	0.130621	0.210214
3	11	16	2537.3983	4083.537	3	11	16	0.130621	0.210214
3	11	17	2537.3983	4083.537	3	11	17	0.130621	0.210214
3	11	18	2537.3983	4083.537	3	11	18	0.130621	0.210214
3	11	19	2537.3983	4083.537	3	11	19	0.130621	0.210214
3	11	20	2537.3983	4083.537	3	11	20	0.130621	0.210214
3	11	21	2537.3983	4083.537	3	11	21	0.130621	0.210214
3	11	22	2537.3983	4083.537	3	11	22	0.130621	0.210214
3	11	23	2537.3983	4083.537	3	11	23	0.130621	0.210214
3	11	24	2537.3983	4083.537	3	11	24	0.130621	0.210214

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	1	3239.002	5212.655	5	6	1	0.183157	0.294763
5	6	2	3239.002	5212.655	5	6	2	0.183157	0.294763
5	6	3	3239.002	5212.655	5	6	3	0.183157	0.294763
5	6	4	3239.002	5212.655	5	6	4	0.183157	0.294763
5	6	5	3239.002	5212.655	5	6	5	0.183157	0.294763
5	6	6	3239.002	5212.655	5	6	6	0.183157	0.294763
5	6	7	3239.002	5212.655	5	6	7	0.183157	0.294763
5	6	8	3239.002	5212.655	5	6	8	0.183157	0.294763
5	6	9	3239.002	5212.655	5	6	9	0.183157	0.294763
5	6	10	3239.0017	5212.655	5	6	10	0.183157	0.294763
5	6	11	3239.002	5212.655	5	6	11	0.183157	0.294763
5	6	12	3239.0019	5212.655	5	6	12	0.183157	0.294763
5	6	13	3239.002	5212.655	5	6	13	0.183157	0.294763
5	6	14	3239.002	5212.655	5	6	14	0.183157	0.294763
5	6	15	3239.002	5212.655	5	6	15	0.183157	0.294763
5	6	16	3239.0032	5212.657	5	6	16	0.183157	0.294763
5	6	17	3239.002	5212.655	5	6	17	0.183157	0.294763
5	6	18	3239.002	5212.655	5	6	18	0.183157	0.294763
5	6	19	3239.0032	5212.657	5	6	19	0.183157	0.294763
5	6	20	3239.0019	5212.655	5	6	20	0.183157	0.294763
5	6	21	3239.002	5212.655	5	6	21	0.183157	0.294763
5	6	22	3239.002	5212.655	5	6	22	0.183157	0.294763
5	6	23	3239.002	5212.655	5	6	23	0.183157	0.294763
5	6	24	3239.002	5212.655	5	6	24	0.183157	0.294763
5	8	1	2761.4465	4444.106	5	8	1	0.150232	0.241774
5	8	2	2761.4474	4444.108	5	8	2	0.150232	0.241774
5	8	3	2761.4474	4444.108	5	8	3	0.150232	0.241774
5	8	4	2761.4474	4444.108	5	8	4	0.150232	0.241774
5	8	5	2761.4474	4444.108	5	8	5	0.150232	0.241774
5	8	6	2761.4474	4444.108	5	8	6	0.150232	0.241774
5	8	7	2761.4474	4444.108	5	8	7	0.150232	0.241774
5	8	8	2761.4474	4444.108	5	8	8	0.150232	0.241774
5	8	9	2761.4474	4444.108	5	8	9	0.150232	0.241774
5	8	10	2761.4474	4444.108	5	8	10	0.150232	0.241774
5	8	11	2761.4474	4444.108	5	8	11	0.150232	0.241774
5	8	12	2761.4474	4444.108	5	8	12	0.150232	0.241774
5	8	13	2761.4474	4444.108	5	8	13	0.150232	0.241774
5	8	14	2761.4474	4444.108	5	8	14	0.150232	0.241774
5	8	15	2761.4474	4444.108	5	8	15	0.150232	0.241774
5	8	16	2761.4474	4444.108	5	8	16	0.150232	0.241774
5	8	17	2761.4474	4444.108	5	8	17	0.150232	0.241774
5	8	18	2761.4474	4444.108	5	8	18	0.150232	0.241774
5	8	19	2761.4474	4444.108	5	8	19	0.150232	0.241774
5	8	20	2761.4474	4444.108	5	8	20	0.150232	0.241774
5	8	21	2761.4474	4444.108	5	8	21	0.150232	0.241774
5	8	22	2761.4474	4444.108	5	8	22	0.150232	0.241774
5	8	23	2761.4474	4444.108	5	8	23	0.150232	0.241774
5	8	24	2761.4474	4444.108	5	8	24	0.150232	0.241774
5	11	1	2537.3983	4083.537	5	11	1	0.130621	0.210214

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	2	2537.3983	4083.537	5	11	2	0.130621	0.210214
5	11	3	2537.3983	4083.537	5	11	3	0.130621	0.210214
5	11	4	2537.3983	4083.537	5	11	4	0.130621	0.210214
5	11	5	2537.3983	4083.537	5	11	5	0.130621	0.210214
5	11	6	2537.3983	4083.537	5	11	6	0.130621	0.210214
5	11	7	2537.3983	4083.537	5	11	7	0.130621	0.210214
5	11	8	2537.3983	4083.537	5	11	8	0.130621	0.210214
5	11	9	2537.398	4083.536	5	11	9	0.130621	0.210214
5	11	10	2537.3983	4083.537	5	11	10	0.130621	0.210214
5	11	11	2537.3983	4083.537	5	11	11	0.130621	0.210214
5	11	12	2537.3983	4083.537	5	11	12	0.130621	0.210214
5	11	13	2537.3983	4083.537	5	11	13	0.130621	0.210214
5	11	14	2537.3983	4083.537	5	11	14	0.130621	0.210214
5	11	15	2537.3983	4083.537	5	11	15	0.130621	0.210214
5	11	16	2537.3983	4083.537	5	11	16	0.130621	0.210214
5	11	17	2537.3983	4083.537	5	11	17	0.130621	0.210214
5	11	18	2537.3983	4083.537	5	11	18	0.130621	0.210214
5	11	19	2537.3983	4083.537	5	11	19	0.130621	0.210214
5	11	20	2537.3983	4083.537	5	11	20	0.130621	0.210214
5	11	21	2537.3983	4083.537	5	11	21	0.130621	0.210214
5	11	22	2537.3983	4083.537	5	11	22	0.130621	0.210214
5	11	23	2537.3983	4083.537	5	11	23	0.130621	0.210214
5	11	24	2537.3983	4083.537	5	11	24	0.130621	0.210214
5	7	1	3112.7304	5009.442	5	7	1	0.169991	0.273574
5	7	2	3112.7304	5009.442	5	7	2	0.169991	0.273574
5	7	3	3112.7304	5009.442	5	7	3	0.169991	0.273574
5	7	4	3112.7304	5009.442	5	7	4	0.169991	0.273574
5	7	5	3112.7304	5009.442	5	7	5	0.169991	0.273574
5	7	6	3112.7304	5009.442	5	7	6	0.169991	0.273574
5	7	7	3112.7304	5009.442	5	7	7	0.169991	0.273574
5	7	8	3112.7304	5009.442	5	7	8	0.169991	0.273574
5	7	9	3112.7304	5009.442	5	7	9	0.169991	0.273574
5	7	10	3112.7304	5009.442	5	7	10	0.169991	0.273574
5	7	11	3112.7304	5009.442	5	7	11	0.169991	0.273574
5	7	12	3112.7304	5009.442	5	7	12	0.169991	0.273574
5	7	13	3112.7304	5009.442	5	7	13	0.169991	0.273574
5	7	14	3112.7304	5009.442	5	7	14	0.169991	0.273574
5	7	15	3112.7304	5009.442	5	7	15	0.169991	0.273574
5	7	16	3112.7304	5009.442	5	7	16	0.169991	0.273574
5	7	17	3112.7304	5009.442	5	7	17	0.169991	0.273574
5	7	18	3112.7304	5009.442	5	7	18	0.169991	0.273574
5	7	19	3112.7304	5009.442	5	7	19	0.169991	0.273574
5	7	20	3112.7304	5009.442	5	7	20	0.169991	0.273574
5	7	21	3112.7304	5009.442	5	7	21	0.169991	0.273574
5	7	22	3112.7304	5009.442	5	7	22	0.169991	0.273574
5	7	23	3112.7304	5009.442	5	7	23	0.169991	0.273574
5	7	24	3112.7304	5009.442	5	7	24	0.169991	0.273574

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	189.9983	305.7719
1	0	2	189.9983	305.7719
1	0	3	189.9983	305.7719
1	0	4	189.9983	305.7719
1	0	5	189.9983	305.7719
1	0	6	189.9983	305.7719
1	0	7	189.9983	305.7719
1	0	8	189.9983	305.7719
1	0	9	189.9983	305.7719
1	0	10	189.9983	305.7719
1	0	11	189.9983	305.7719
1	0	12	189.9983	305.7719
1	0	13	189.9983	305.7719
1	0	14	189.9983	305.7719
1	0	15	189.9983	305.7719
1	0	16	189.9983	305.7719
1	0	17	189.9983	305.7719
1	0	18	189.9983	305.7719
1	0	19	189.9983	305.7719
1	0	20	189.9983	305.7719
1	0	21	189.9983	305.7719
1	0	22	189.9983	305.7719
1	0	23	189.9983	305.7719
1	0	24	189.9983	305.7719
2	1	1	115.7393	186.264
2	1	2	115.7393	186.264
2	1	3	115.7393	186.264
2	1	4	115.7393	186.264
2	1	5	115.7393	186.264
2	1	6	115.7393	186.264
2	1	7	115.7393	186.264
2	1	8	115.7393	186.264
2	1	9	115.7393	186.264
2	1	10	115.7393	186.264
2	1	11	115.7393	186.264
2	1	12	115.7393	186.264
2	1	13	115.7393	186.264
2	1	14	115.7393	186.264
2	1	15	115.7393	186.264
2	1	16	115.7393	186.264
2	1	17	115.7393	186.264
2	1	18	115.7393	186.264
2	1	19	115.7393	186.264
2	1	20	115.7393	186.264
2	1	21	115.7393	186.264
2	1	22	115.7393	186.264
2	1	23	115.7393	186.264
2	1	24	115.7393	186.264
2	5	1	20.97288	33.75249
2	5	2	20.97288	33.75249
2	5	3	20.97288	33.75249
2	5	4	20.97288	33.75249
2	5	5	20.97288	33.75249
2	5	6	20.97288	33.75249
2	5	7	20.97288	33.75249
2	5	8	20.97288	33.75249

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	146.0651126	235.0684
1	0	2	146.0651126	235.0684
1	0	3	146.0651126	235.0684
1	0	4	146.0651126	235.0684
1	0	5	146.0651126	235.0684
1	0	6	146.0651126	235.0684
1	0	7	146.0651126	235.0684
1	0	8	146.0651126	235.0684
1	0	9	146.0651126	235.0684
1	0	10	146.0651126	235.0684
1	0	11	146.0651126	235.0684
1	0	12	146.0651126	235.0684
1	0	13	146.0651126	235.0684
1	0	14	146.0651126	235.0684
1	0	15	146.0651126	235.0684
1	0	16	146.0651126	235.0684
1	0	17	146.0651126	235.0684
1	0	18	146.0651126	235.0684
1	0	19	146.0651126	235.0684
1	0	20	146.0651126	235.0684
1	0	21	146.0651126	235.0684
1	0	22	146.0651126	235.0684
1	0	23	146.0651126	235.0684
1	0	24	146.0651126	235.0684
2	1	1	221.5305819	356.518
2	1	2	221.5305819	356.518
2	1	3	221.5305819	356.518
2	1	4	221.5305819	356.518
2	1	5	221.5305819	356.518
2	1	6	221.5305819	356.518
2	1	7	221.5305819	356.518
2	1	8	221.5305819	356.518
2	1	9	221.5305819	356.518
2	1	10	221.5305819	356.518
2	1	11	221.5305819	356.518
2	1	12	221.5305819	356.518
2	1	13	221.5305819	356.518
2	1	14	221.5305819	356.518
2	1	15	221.5305819	356.518
2	1	16	221.5305819	356.518
2	1	17	221.5305819	356.518
2	1	18	221.5305819	356.518
2	1	19	221.5305819	356.518
2	1	20	221.5305819	356.518
2	1	21	221.5305819	356.518
2	1	22	221.5305819	356.518
2	1	23	221.5305819	356.518
2	1	24	221.5305819	356.518
2	5	1	87.16364088	140.2759
2	5	2	87.16364088	140.2759
2	5	3	87.16364088	140.2759
2	5	4	87.16364088	140.2759
2	5	5	87.16364088	140.2759
2	5	6	87.16364088	140.2759
2	5	7	87.16364088	140.2759
2	5	8	87.16364088	140.2759

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	9	20.97288	33.75249
2	5	10	20.97288	33.75249
2	5	11	20.97288	33.75249
2	5	12	20.97288	33.75249
2	5	13	20.97288	33.75249
2	5	14	20.97288	33.75249
2	5	15	20.97288	33.75249
2	5	16	20.97288	33.75249
2	5	17	20.97288	33.75249
2	5	18	20.97288	33.75249
2	5	19	20.97288	33.75249
2	5	20	20.97288	33.75249
2	5	21	20.97288	33.75249
2	5	22	20.97288	33.75249
2	5	23	20.97288	33.75249
2	5	24	20.97288	33.75249
2	6	1	16.98418	27.33333
2	6	2	16.98418	27.33333
2	6	3	16.98418	27.33333
2	6	4	16.98418	27.33333
2	6	5	16.98418	27.33333
2	6	6	16.98418	27.33333
2	6	7	16.98418	27.33333
2	6	8	16.98418	27.33333
2	6	9	16.98418	27.33333
2	6	10	16.98418	27.33333
2	6	11	16.98418	27.33333
2	6	12	16.98418	27.33333
2	6	13	16.98418	27.33333
2	6	14	16.98418	27.33333
2	6	15	16.98418	27.33333
2	6	16	16.98418	27.33333
2	6	17	16.98418	27.33333
2	6	18	16.98418	27.33333
2	6	19	16.98418	27.33333
2	6	20	16.98418	27.33333
2	6	21	16.98418	27.33333
2	6	22	16.98418	27.33333
2	6	23	16.98418	27.33333
2	6	24	16.98418	27.33333
2	7	1	13.98333	22.50393
2	7	2	13.98333	22.50393
2	7	3	13.98333	22.50393
2	7	4	13.98333	22.50393
2	7	5	13.98333	22.50393
2	7	6	13.98333	22.50393
2	7	7	13.98333	22.50393
2	7	8	13.98333	22.50393
2	7	9	13.98333	22.50393
2	7	10	13.98333	22.50393
2	7	11	13.98333	22.50393
2	7	12	13.98333	22.50393
2	7	13	13.98333	22.50393
2	7	14	13.98333	22.50393
2	7	15	13.98333	22.50393
2	7	16	13.98333	22.50393

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	9	87.16364088	140.2759
2	5	10	87.16364088	140.2759
2	5	11	87.16364088	140.2759
2	5	12	87.16364088	140.2759
2	5	13	87.16364088	140.2759
2	5	14	87.16364088	140.2759
2	5	15	87.16364088	140.2759
2	5	16	87.16364088	140.2759
2	5	17	87.16364088	140.2759
2	5	18	87.16364088	140.2759
2	5	19	87.16364088	140.2759
2	5	20	87.16364088	140.2759
2	5	21	87.16364088	140.2759
2	5	22	87.16364088	140.2759
2	5	23	87.16364088	140.2759
2	5	24	87.16364088	140.2759
2	6	1	83.05967534	133.6713
2	6	2	83.05967534	133.6713
2	6	3	83.05967534	133.6713
2	6	4	83.05967534	133.6713
2	6	5	83.05967534	133.6713
2	6	6	83.05967534	133.6713
2	6	7	83.05967534	133.6713
2	6	8	83.05967534	133.6713
2	6	9	83.05967534	133.6713
2	6	10	83.05967534	133.6713
2	6	11	83.05967534	133.6713
2	6	12	83.05967534	133.6713
2	6	13	83.05967534	133.6713
2	6	14	83.05967534	133.6713
2	6	15	83.05967534	133.6713
2	6	16	83.05967534	133.6713
2	6	17	83.05967534	133.6713
2	6	18	83.05967534	133.6713
2	6	19	83.05967534	133.6713
2	6	20	83.05967534	133.6713
2	6	21	83.05967534	133.6713
2	6	22	83.05967534	133.6713
2	6	23	83.05967534	133.6713
2	6	24	83.05967534	133.6713
2	7	1	82.3904692	132.5943
2	7	2	82.3904692	132.5943
2	7	3	82.3904692	132.5943
2	7	4	82.3904692	132.5943
2	7	5	82.3904692	132.5943
2	7	6	82.3904692	132.5943
2	7	7	82.39047153	132.5943
2	7	8	82.3904692	132.5943
2	7	9	82.3904692	132.5943
2	7	10	82.3904692	132.5943
2	7	11	82.3904692	132.5943
2	7	12	82.3904692	132.5943
2	7	13	82.3904692	132.5943
2	7	14	82.3904692	132.5943
2	7	15	82.3904692	132.5943
2	7	16	82.39047768	132.5943

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	17	13.98333	22.50393
2	7	18	13.98333	22.50393
2	7	19	13.98333	22.50393
2	7	20	13.98333	22.50393
2	7	21	13.98333	22.50393
2	7	22	13.98333	22.50393
2	7	23	13.98333	22.50393
2	7	24	13.98333	22.50393
2	8	1	12.21619	19.66001
2	8	2	12.21619	19.66001
2	8	3	12.21619	19.66001
2	8	4	12.21619	19.66001
2	8	5	12.21619	19.66001
2	8	6	12.21619	19.66001
2	8	7	12.21619	19.66001
2	8	8	12.21619	19.66001
2	8	9	12.21619	19.66001
2	8	10	12.21619	19.66001
2	8	11	12.21619	19.66001
2	8	12	12.21619	19.66001
2	8	13	12.21619	19.66001
2	8	14	12.21619	19.66001
2	8	15	12.21619	19.66001
2	8	16	12.21619	19.66001
2	8	17	12.21619	19.66001
2	8	18	12.21619	19.66001
2	8	19	12.21619	19.66001
2	8	20	12.21619	19.66001
2	8	21	12.21619	19.66001
2	8	22	12.21619	19.66001
2	8	23	12.21619	19.66001
2	8	24	12.21619	19.66001
2	10	1	8.852821	14.2472
2	10	2	8.852821	14.2472
2	10	3	8.852821	14.2472
2	10	4	8.852821	14.2472
2	10	5	8.852821	14.2472
2	10	6	8.852821	14.2472
2	10	7	8.852821	14.2472
2	10	8	8.852821	14.2472
2	10	9	8.852821	14.2472
2	10	10	8.852821	14.2472
2	10	11	8.852821	14.2472
2	10	12	8.852821	14.2472
2	10	13	8.852821	14.2472
2	10	14	8.852821	14.2472
2	10	15	8.852821	14.2472
2	10	16	8.852821	14.2472
2	10	17	8.852821	14.2472
2	10	18	8.852821	14.2472
2	10	19	8.852821	14.2472
2	10	20	8.852821	14.2472
2	10	21	8.852821	14.2472
2	10	22	8.852821	14.2472
2	10	23	8.852821	14.2472
2	10	24	8.852821	14.2472

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	17	82.3904692	132.5943
2	7	18	82.3904692	132.5943
2	7	19	82.3904692	132.5943
2	7	20	82.3904692	132.5943
2	7	21	82.3904692	132.5943
2	7	22	82.3904692	132.5943
2	7	23	82.3904692	132.5943
2	7	24	82.3904692	132.5943
2	8	1	71.99486068	115.8642
2	8	2	71.99486068	115.8642
2	8	3	71.99486068	115.8642
2	8	4	71.99486068	115.8642
2	8	5	71.99486068	115.8642
2	8	6	71.99486068	115.8642
2	8	7	71.99486068	115.8642
2	8	8	71.99486068	115.8642
2	8	9	71.99486068	115.8642
2	8	10	71.99486068	115.8642
2	8	11	71.99486068	115.8642
2	8	12	71.99486068	115.8642
2	8	13	71.99486068	115.8642
2	8	14	71.99486068	115.8642
2	8	15	71.99486068	115.8642
2	8	16	71.99486068	115.8642
2	8	17	71.99486068	115.8642
2	8	18	71.99486068	115.8642
2	8	19	71.99486068	115.8642
2	8	20	71.99486068	115.8642
2	8	21	71.99486068	115.8642
2	8	22	71.99486068	115.8642
2	8	23	71.99486068	115.8642
2	8	24	71.99486068	115.8642
2	10	1	70.50115037	113.4603
2	10	2	70.50115037	113.4603
2	10	3	70.50115037	113.4603
2	10	4	70.50115037	113.4603
2	10	5	70.50115037	113.4603
2	10	6	70.50115037	113.4603
2	10	7	70.50115037	113.4603
2	10	8	70.50115037	113.4603
2	10	9	70.50115037	113.4603
2	10	10	70.50115037	113.4603
2	10	11	70.50115037	113.4603
2	10	12	70.50115037	113.4603
2	10	13	70.50115037	113.4603
2	10	14	70.50115037	113.4603
2	10	15	70.50115037	113.4603
2	10	16	70.50115037	113.4603
2	10	17	70.50115037	113.4603
2	10	18	70.50115037	113.4603
2	10	19	70.50115037	113.4603
2	10	20	70.50115037	113.4603
2	10	21	70.50115037	113.4603
2	10	22	70.50115037	113.4603
2	10	23	70.50115037	113.4603
2	10	24	70.50115037	113.4603

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	11	1	7.572755	12.18714
2	11	2	7.572755	12.18714
2	11	3	7.572755	12.18714
2	11	4	7.572755	12.18714
2	11	5	7.572755	12.18714
2	11	6	7.572755	12.18714
2	11	7	7.572755	12.18714
2	11	8	7.572755	12.18714
2	11	9	7.572755	12.18714
2	11	10	7.572755	12.18714
2	11	11	7.572755	12.18714
2	11	12	7.572755	12.18714
2	11	13	7.572755	12.18714
2	11	14	7.572755	12.18714
2	11	15	7.572755	12.18714
2	11	16	7.572755	12.18714
2	11	17	7.572755	12.18714
2	11	18	7.572755	12.18714
2	11	19	7.572755	12.18714
2	11	20	7.572755	12.18714
2	11	21	7.572755	12.18714
2	11	22	7.572755	12.18714
2	11	23	7.572755	12.18714
2	11	24	7.572755	12.18714
2	13	1	5.651213	9.094723
2	13	2	5.651213	9.094723
2	13	3	5.651213	9.094723
2	13	4	5.651213	9.094723
2	13	5	5.651213	9.094723
2	13	6	5.651213	9.094723
2	13	7	5.651213	9.094723
2	13	8	5.651213	9.094723
2	13	9	5.651213	9.094723
2	13	10	5.651213	9.094723
2	13	11	5.651213	9.094723
2	13	12	5.651213	9.094723
2	13	13	5.651213	9.094723
2	13	14	5.651213	9.094723
2	13	15	5.651213	9.094723
2	13	16	5.651213	9.094723
2	13	17	5.651213	9.094723
2	13	18	5.651213	9.094723
2	13	19	5.651213	9.094723
2	13	20	5.651213	9.094723
2	13	21	5.651213	9.094723
2	13	22	5.651213	9.094723
2	13	23	5.651213	9.094723
2	13	24	5.651213	9.094723
3	1	1	114.4505	184.1898
3	1	2	114.4505	184.1898
3	1	3	114.4505	184.1898
3	1	4	114.4505	184.1898
3	1	5	114.4505	184.1898
3	1	6	114.4505	184.1898
3	1	7	114.4505	184.1898
3	1	8	114.4505	184.1898

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	11	1	70.40424509	113.3044
2	11	2	70.40424509	113.3044
2	11	3	70.40424509	113.3044
2	11	4	70.40424509	113.3044
2	11	5	70.40424509	113.3044
2	11	6	70.40424509	113.3044
2	11	7	70.40424509	113.3044
2	11	8	70.40424509	113.3044
2	11	9	70.40424509	113.3044
2	11	10	70.40424509	113.3044
2	11	11	70.40424509	113.3044
2	11	12	70.40424509	113.3044
2	11	13	70.40424509	113.3044
2	11	14	70.40424509	113.3044
2	11	15	70.40424509	113.3044
2	11	16	70.40424509	113.3044
2	11	17	70.40424509	113.3044
2	11	18	70.40424509	113.3044
2	11	19	70.40424509	113.3044
2	11	20	70.40424509	113.3044
2	11	21	70.40424509	113.3044
2	11	22	70.40424509	113.3044
2	11	23	70.40424509	113.3044
2	11	24	70.40424509	113.3044
2	13	1	72.33541907	116.4123
2	13	2	72.33541907	116.4123
2	13	3	72.33541907	116.4123
2	13	4	72.33541907	116.4123
2	13	5	72.33541907	116.4123
2	13	6	72.33541907	116.4123
2	13	7	72.33541907	116.4123
2	13	8	72.33541907	116.4123
2	13	9	72.33541907	116.4123
2	13	10	72.33541907	116.4123
2	13	11	72.33541907	116.4123
2	13	12	72.33541907	116.4123
2	13	13	72.33541907	116.4123
2	13	14	72.33541907	116.4123
2	13	15	72.33541907	116.4123
2	13	16	72.33541907	116.4123
2	13	17	72.33541579	116.4123
2	13	18	72.33541907	116.4123
2	13	19	72.33541907	116.4123
2	13	20	72.33541907	116.4123
2	13	21	72.33541907	116.4123
2	13	22	72.33541907	116.4123
2	13	23	72.33541907	116.4123
2	13	24	72.33541907	116.4123
3	1	1	218.7697148	352.0749
3	1	2	218.7697148	352.0749
3	1	3	218.7697148	352.0749
3	1	4	218.7697148	352.0749
3	1	5	218.7697148	352.0749
3	1	6	218.7697148	352.0749
3	1	7	218.7697148	352.0749
3	1	8	218.7697148	352.0749

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	1	9	114.4505	184.1898
3	1	10	114.4505	184.1898
3	1	11	114.4505	184.1898
3	1	12	114.4505	184.1898
3	1	13	114.4505	184.1898
3	1	14	114.4505	184.1898
3	1	15	114.4505	184.1898
3	1	16	114.4505	184.1898
3	1	17	114.4505	184.1898
3	1	18	114.4505	184.1898
3	1	19	114.4505	184.1898
3	1	20	114.4505	184.1898
3	1	21	114.4505	184.1898
3	1	22	114.4505	184.1898
3	1	23	114.4505	184.1898
3	1	24	114.4505	184.1898
3	7	1	13.83532	22.26573
3	7	2	13.83532	22.26573
3	7	3	13.83532	22.26573
3	7	4	13.83532	22.26573
3	7	5	13.83532	22.26573
3	7	6	13.83532	22.26573
3	7	7	13.83532	22.26573
3	7	8	13.83532	22.26573
3	7	9	13.83532	22.26573
3	7	10	13.83532	22.26573
3	7	11	13.83532	22.26573
3	7	12	13.83532	22.26573
3	7	13	13.83532	22.26573
3	7	14	13.83532	22.26573
3	7	15	13.83532	22.26573
3	7	16	13.83532	22.26573
3	7	17	13.83532	22.26573
3	7	18	13.83532	22.26573
3	7	19	13.83532	22.26573
3	7	20	13.83532	22.26573
3	7	21	13.83532	22.26573
3	7	22	13.83532	22.26573
3	7	23	13.83532	22.26573
3	7	24	13.83532	22.26573
3	8	1	12.06005	19.40873
3	8	2	12.06005	19.40873
3	8	3	12.06005	19.40873
3	8	4	12.06005	19.40873
3	8	5	12.06005	19.40873
3	8	6	12.06005	19.40873
3	8	7	12.06005	19.40873
3	8	8	12.06005	19.40873
3	8	9	12.06005	19.40873
3	8	10	12.06005	19.40873
3	8	11	12.06005	19.40873
3	8	12	12.06005	19.40873
3	8	13	12.06005	19.40873
3	8	14	12.06005	19.40873
3	8	15	12.06005	19.40873
3	8	16	12.06005	19.40873

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	1	9	218.7697148	352.0749
3	1	10	218.7697148	352.0749
3	1	11	218.7697148	352.0749
3	1	12	218.7697148	352.0749
3	1	13	218.7697148	352.0749
3	1	14	218.7697148	352.0749
3	1	15	218.7697148	352.0749
3	1	16	218.7697148	352.0749
3	1	17	218.7697148	352.0749
3	1	18	218.7697148	352.0749
3	1	19	218.7697148	352.0749
3	1	20	218.7697148	352.0749
3	1	21	218.7697148	352.0749
3	1	22	218.7697148	352.0749
3	1	23	218.7697148	352.0749
3	1	24	218.7697148	352.0749
3	7	1	82.90922853	133.4291
3	7	2	82.90922853	133.4291
3	7	3	82.90922853	133.4291
3	7	4	82.90922853	133.4291
3	7	5	82.90922853	133.4291
3	7	6	82.90922853	133.4291
3	7	7	82.90922853	133.4291
3	7	8	82.90922853	133.4291
3	7	9	82.90922853	133.4291
3	7	10	82.90922853	133.4291
3	7	11	82.90922853	133.4291
3	7	12	82.90922853	133.4291
3	7	13	82.90922853	133.4291
3	7	14	82.90922853	133.4291
3	7	15	82.90922853	133.4291
3	7	16	82.90923087	133.4291
3	7	17	82.90922853	133.4291
3	7	18	82.90922853	133.4291
3	7	19	82.90922853	133.4291
3	7	20	82.90922853	133.4291
3	7	21	82.90922853	133.4291
3	7	22	82.90922853	133.4291
3	7	23	82.90922853	133.4291
3	7	24	82.90922853	133.4291
3	8	1	72.57229329	116.7935
3	8	2	72.57229329	116.7935
3	8	3	72.57229329	116.7935
3	8	4	72.57229329	116.7935
3	8	5	72.57229329	116.7935
3	8	6	72.57229329	116.7935
3	8	7	72.57229329	116.7935
3	8	8	72.57229329	116.7935
3	8	9	72.57229329	116.7935
3	8	10	72.57229329	116.7935
3	8	11	72.57229329	116.7935
3	8	12	72.57229329	116.7935
3	8	13	72.57229329	116.7935
3	8	14	72.57229329	116.7935
3	8	15	72.57229329	116.7935
3	8	16	72.57229329	116.7935

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	17	12.06005	19.40873
3	8	18	12.06005	19.40873
3	8	19	12.06005	19.40873
3	8	20	12.06005	19.40873
3	8	21	12.06005	19.40873
3	8	22	12.06005	19.40873
3	8	23	12.06005	19.40873
3	8	24	12.06005	19.40873
3	10	1	8.747039	14.07696
3	10	2	8.747039	14.07696
3	10	3	8.747039	14.07696
3	10	4	8.747039	14.07696
3	10	5	8.747039	14.07696
3	10	6	8.747039	14.07696
3	10	7	8.747039	14.07696
3	10	8	8.747039	14.07696
3	10	9	8.747039	14.07696
3	10	10	8.747039	14.07696
3	10	11	8.747039	14.07696
3	10	12	8.747039	14.07696
3	10	13	8.747039	14.07696
3	10	14	8.747039	14.07696
3	10	15	8.747039	14.07696
3	10	16	8.747039	14.07696
3	10	17	8.747039	14.07696
3	10	18	8.747039	14.07696
3	10	19	8.747039	14.07696
3	10	20	8.747039	14.07696
3	10	21	8.747039	14.07696
3	10	22	8.747039	14.07696
3	10	23	8.747039	14.07696
3	10	24	8.747039	14.07696
3	11	1	7.523327	12.10759
3	11	2	7.523327	12.10759
3	11	3	7.523327	12.10759
3	11	4	7.523327	12.10759
3	11	5	7.523327	12.10759
3	11	6	7.523327	12.10759
3	11	7	7.523327	12.10759
3	11	8	7.523327	12.10759
3	11	9	7.523327	12.10759
3	11	10	7.523327	12.10759
3	11	11	7.523327	12.10759
3	11	12	7.523327	12.10759
3	11	13	7.523327	12.10759
3	11	14	7.523327	12.10759
3	11	15	7.523327	12.10759
3	11	16	7.523327	12.10759
3	11	17	7.523327	12.10759
3	11	18	7.523327	12.10759
3	11	19	7.523327	12.10759
3	11	20	7.523327	12.10759
3	11	21	7.523327	12.10759
3	11	22	7.523327	12.10759
3	11	23	7.523327	12.10759
3	11	24	7.523327	12.10759

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	17	72.57229329	116.7935
3	8	18	72.57229329	116.7935
3	8	19	72.57229329	116.7935
3	8	20	72.57229329	116.7935
3	8	21	72.57229329	116.7935
3	8	22	72.57229329	116.7935
3	8	23	72.57229329	116.7935
3	8	24	72.57229329	116.7935
3	10	1	70.91128878	114.1204
3	10	2	70.91128878	114.1204
3	10	3	70.91128878	114.1204
3	10	4	70.91128878	114.1204
3	10	5	70.91128878	114.1204
3	10	6	70.91128878	114.1204
3	10	7	70.91128878	114.1204
3	10	8	70.91128878	114.1204
3	10	9	70.91128878	114.1204
3	10	10	70.91128878	114.1204
3	10	11	70.91128878	114.1204
3	10	12	70.91128878	114.1204
3	10	13	70.91128878	114.1204
3	10	14	70.91128878	114.1204
3	10	15	70.91128878	114.1204
3	10	16	70.91128878	114.1204
3	10	17	70.91128878	114.1204
3	10	18	70.91128878	114.1204
3	10	19	70.91128878	114.1204
3	10	20	70.91128878	114.1204
3	10	21	70.91128878	114.1204
3	10	22	70.91128878	114.1204
3	10	23	70.91128878	114.1204
3	10	24	70.91128878	114.1204
3	11	1	70.59589637	113.6128
3	11	2	70.59589637	113.6128
3	11	3	70.59589637	113.6128
3	11	4	70.59589637	113.6128
3	11	5	70.59589637	113.6128
3	11	6	70.59589637	113.6128
3	11	7	70.59589637	113.6128
3	11	8	70.59589637	113.6128
3	11	9	70.59589637	113.6128
3	11	10	70.59589637	113.6128
3	11	11	70.59589637	113.6128
3	11	12	70.59589637	113.6128
3	11	13	70.59589637	113.6128
3	11	14	70.59589637	113.6128
3	11	15	70.59589637	113.6128
3	11	16	70.59589637	113.6128
3	11	17	70.59589637	113.6128
3	11	18	70.59589637	113.6128
3	11	19	70.59589637	113.6128
3	11	20	70.59589637	113.6128
3	11	21	70.59589637	113.6128
3	11	22	70.59589637	113.6128
3	11	23	70.59589637	113.6128
3	11	24	70.59589637	113.6128

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	1	16.93234	27.2499
5	6	2	16.93234	27.2499
5	6	3	16.93234	27.2499
5	6	4	16.93234	27.2499
5	6	5	16.93234	27.2499
5	6	6	16.93234	27.2499
5	6	7	16.93234	27.2499
5	6	8	16.93234	27.2499
5	6	9	16.93234	27.2499
5	6	10	16.93234	27.2499
5	6	11	16.93234	27.2499
5	6	12	16.93234	27.2499
5	6	13	16.93234	27.2499
5	6	14	16.93234	27.2499
5	6	15	16.93234	27.2499
5	6	16	16.93234	27.2499
5	6	17	16.93234	27.2499
5	6	18	16.93234	27.2499
5	6	19	16.93234	27.2499
5	6	20	16.93234	27.2499
5	6	21	16.93234	27.2499
5	6	22	16.93234	27.2499
5	6	23	16.93234	27.2499
5	6	24	16.93234	27.2499
5	8	1	12.06005	19.40873
5	8	2	12.06005	19.40873
5	8	3	12.06005	19.40873
5	8	4	12.06005	19.40873
5	8	5	12.06005	19.40873
5	8	6	12.06005	19.40873
5	8	7	12.06005	19.40873
5	8	8	12.06005	19.40873
5	8	9	12.06005	19.40873
5	8	10	12.06005	19.40873
5	8	11	12.06005	19.40873
5	8	12	12.06005	19.40873
5	8	13	12.06005	19.40873
5	8	14	12.06005	19.40873
5	8	15	12.06005	19.40873
5	8	16	12.06005	19.40873
5	8	17	12.06005	19.40873
5	8	18	12.06005	19.40873
5	8	19	12.06005	19.40873
5	8	20	12.06005	19.40873
5	8	21	12.06005	19.40873
5	8	22	12.06005	19.40873
5	8	23	12.06005	19.40873
5	8	24	12.06005	19.40873
5	11	1	7.523327	12.10759

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	1	83.52206243	134.4154
5	6	2	83.52206243	134.4154
5	6	3	83.52206243	134.4154
5	6	4	83.52206243	134.4154
5	6	5	83.52206243	134.4154
5	6	6	83.52206243	134.4154
5	6	7	83.52206243	134.4154
5	6	8	83.52206243	134.4154
5	6	9	83.52206243	134.4154
5	6	10	83.52206243	134.4154
5	6	11	83.52206243	134.4154
5	6	12	83.52206243	134.4154
5	6	13	83.52145213	134.4144
5	6	14	83.52206243	134.4154
5	6	15	83.52206243	134.4154
5	6	16	83.52206243	134.4154
5	6	17	83.52206243	134.4154
5	6	18	83.52206243	134.4154
5	6	19	83.52206243	134.4154
5	6	20	83.52206243	134.4154
5	6	21	83.52206243	134.4154
5	6	22	83.52206243	134.4154
5	6	23	83.52206243	134.4154
5	6	24	83.52206243	134.4154
5	8	1	72.57229329	116.7935
5	8	2	72.57229329	116.7935
5	8	3	72.57229329	116.7935
5	8	4	72.57229329	116.7935
5	8	5	72.57229329	116.7935
5	8	6	72.57229329	116.7935
5	8	7	72.57229329	116.7935
5	8	8	72.57229329	116.7935
5	8	9	72.57229329	116.7935
5	8	10	72.57229329	116.7935
5	8	11	72.57229329	116.7935
5	8	12	72.57229329	116.7935
5	8	13	72.57229329	116.7935
5	8	14	72.57229329	116.7935
5	8	15	72.57229329	116.7935
5	8	16	72.57229329	116.7935
5	8	17	72.57229329	116.7935
5	8	18	72.57229329	116.7935
5	8	19	72.57229329	116.7935
5	8	20	72.57229329	116.7935
5	8	21	72.57229329	116.7935
5	8	22	72.57229329	116.7935
5	8	23	72.57229329	116.7935
5	8	24	72.57229329	116.7935
5	11	1	70.59589637	113.6128

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	2	7.523327	12.10759
5	11	3	7.523327	12.10759
5	11	4	7.523327	12.10759
5	11	5	7.523327	12.10759
5	11	6	7.523327	12.10759
5	11	7	7.523327	12.10759
5	11	8	7.523327	12.10759
5	11	9	7.523327	12.10759
5	11	10	7.523327	12.10759
5	11	11	7.523327	12.10759
5	11	12	7.523327	12.10759
5	11	13	7.523327	12.10759
5	11	14	7.523327	12.10759
5	11	15	7.523327	12.10759
5	11	16	7.523327	12.10759
5	11	17	7.523327	12.10759
5	11	18	7.523327	12.10759
5	11	19	7.523327	12.10759
5	11	20	7.523327	12.10759
5	11	21	7.523327	12.10759
5	11	22	7.523327	12.10759
5	11	23	7.523327	12.10759
5	11	24	7.523327	12.10759
5	7	1	13.83532	22.26573
5	7	2	13.83532	22.26573
5	7	3	13.83532	22.26573
5	7	4	13.83532	22.26573
5	7	5	13.83532	22.26573
5	7	6	13.83532	22.26573
5	7	7	13.83532	22.26573
5	7	8	13.83532	22.26573
5	7	9	13.83532	22.26573
5	7	10	13.83532	22.26573
5	7	11	13.83532	22.26573
5	7	12	13.83532	22.26573
5	7	13	13.83532	22.26573
5	7	14	13.83532	22.26573
5	7	15	13.83532	22.26573
5	7	16	13.83532	22.26573
5	7	17	13.83532	22.26573
5	7	18	13.83532	22.26573
5	7	19	13.83531	22.26573
5	7	20	13.83532	22.26573
5	7	21	13.83532	22.26573
5	7	22	13.83532	22.26573
5	7	23	13.83532	22.26573
5	7	24	13.83532	22.26573

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	2	70.59589637	113.6128
5	11	3	70.59589637	113.6128
5	11	4	70.59589637	113.6128
5	11	5	70.59589637	113.6128
5	11	6	70.59589637	113.6128
5	11	7	70.59589637	113.6128
5	11	8	70.59589637	113.6128
5	11	9	70.59589637	113.6128
5	11	10	70.59589637	113.6128
5	11	11	70.59589637	113.6128
5	11	12	70.59589637	113.6128
5	11	13	70.59589637	113.6128
5	11	14	70.59589637	113.6128
5	11	15	70.59589637	113.6128
5	11	16	70.59589637	113.6128
5	11	17	70.59589637	113.6128
5	11	18	70.59589637	113.6128
5	11	19	70.59589637	113.6128
5	11	20	70.59589637	113.6128
5	11	21	70.59589637	113.6128
5	11	22	70.59589637	113.6128
5	11	23	70.59589637	113.6128
5	11	24	70.59589637	113.6128
5	7	1	82.90922853	133.4291
5	7	2	82.90922853	133.4291
5	7	3	82.90922853	133.4291
5	7	4	82.90922853	133.4291
5	7	5	82.90922853	133.4291
5	7	6	82.90922853	133.4291
5	7	7	82.90922853	133.4291
5	7	8	82.90922853	133.4291
5	7	9	82.90922853	133.4291
5	7	10	82.90922853	133.4291
5	7	11	82.90922853	133.4291
5	7	12	82.90922853	133.4291
5	7	13	82.90924129	133.4292
5	7	14	82.90922853	133.4291
5	7	15	82.90922853	133.4291
5	7	16	82.90922853	133.4291
5	7	17	82.90922853	133.4291
5	7	18	82.90922853	133.4291
5	7	19	82.90922853	133.4291
5	7	20	82.90922853	133.4291
5	7	21	82.90922853	133.4291
5	7	22	82.90922853	133.4291
5	7	23	82.90922853	133.4291
5	7	24	82.90922853	133.4291

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	53.60978496	86.27637	1	0	1	0.230773	0.371393
1	0	2	53.61071483	86.27787	1	0	2	0.230773	0.371393
1	0	3	53.61825772	86.29001	1	0	3	0.230773	0.371393
1	0	4	53.61630163	86.28686	1	0	4	0.230773	0.371393
1	0	5	53.62528859	86.30132	1	0	5	0.230773	0.371393
1	0	6	53.65634913	86.35131	1	0	6	0.230773	0.371393
1	0	7	53.66388231	86.36343	1	0	7	0.230773	0.371393
1	0	8	53.66820124	86.37038	1	0	8	0.230773	0.371393
1	0	9	53.68023228	86.38975	1	0	9	0.230773	0.371393
1	0	10	53.66784115	86.3698	1	0	10	0.230773	0.371393
1	0	11	53.64750656	86.33708	1	0	11	0.230773	0.371393
1	0	12	53.62988603	86.30872	1	0	12	0.230773	0.371393
1	0	13	53.62027092	86.29325	1	0	13	0.230773	0.371393
1	0	14	53.6098921	86.27654	1	0	14	0.230773	0.371393
1	0	15	53.58255994	86.23256	1	0	15	0.230773	0.371393
1	0	16	53.58387478	86.23467	1	0	16	0.230773	0.371393
1	0	17	53.58656307	86.239	1	0	17	0.230773	0.371393
1	0	18	53.60929093	86.27558	1	0	18	0.230773	0.371393
1	0	19	53.62045994	86.29355	1	0	19	0.230773	0.371393
1	0	20	53.62067765	86.2939	1	0	20	0.230773	0.371393
1	0	21	53.6303673	86.3095	1	0	21	0.230773	0.371393
1	0	22	53.64806828	86.33798	1	0	22	0.230773	0.371393
1	0	23	53.62750508	86.30489	1	0	23	0.230773	0.371393
1	0	24	53.63798021	86.32175	1	0	24	0.230773	0.371393
2	1	1	40.67711715	65.46331	2	1	1	0.232235	0.373745
2	1	2	40.67778471	65.46439	2	1	2	0.230919	0.371627
2	1	3	40.68336687	65.47337	2	1	3	0.229171	0.368814
2	1	4	40.68184774	65.47092	2	1	4	0.228526	0.367776
2	1	5	40.68844893	65.48155	2	1	5	0.228089	0.367073
2	1	6	40.71113552	65.51806	2	1	6	0.22824	0.367316
2	1	7	40.71661674	65.52688	2	1	7	0.228102	0.367094
2	1	8	40.71977911	65.53197	2	1	8	0.228131	0.36714
2	1	9	40.7285713	65.54612	2	1	9	0.228428	0.367619
2	1	10	40.71956909	65.53163	2	1	10	0.229035	0.368595
2	1	11	40.70467509	65.50766	2	1	11	0.229755	0.369754
2	1	12	40.69181292	65.48696	2	1	12	0.230626	0.371155
2	1	13	40.68482504	65.47572	2	1	13	0.2307	0.371275
2	1	14	40.67726501	65.46355	2	1	14	0.230337	0.370691
2	1	15	40.6573074	65.43143	2	1	15	0.230426	0.370834
2	1	16	40.65828432	65.433	2	1	16	0.23096	0.371693
2	1	17	40.66022752	65.43613	2	1	17	0.231396	0.372395
2	1	18	40.67679947	65.4628	2	1	18	0.231264	0.372182
2	1	19	40.68493237	65.47589	2	1	19	0.23137	0.372353
2	1	20	40.68511082	65.47618	2	1	20	0.231265	0.372185
2	1	21	40.69219397	65.48758	2	1	21	0.231622	0.372758
2	1	22	40.70506473	65.50829	2	1	22	0.231721	0.372917
2	1	23	40.69007776	65.48417	2	1	23	0.231508	0.372575
2	1	24	40.69770682	65.49645	2	1	24	0.231898	0.373203
2	5	1	9.394648488	15.11918	2	5	1	0.058015	0.093366
2	5	2	9.394817175	15.11946	2	5	2	0.057851	0.093102
2	5	3	9.395956488	15.12129	2	5	3	0.057632	0.09275
2	5	4	9.395667163	15.12082	2	5	4	0.057552	0.09262
2	5	5	9.397006864	15.12298	2	5	5	0.057497	0.092532
2	5	6	9.401664766	15.13048	2	5	6	0.057516	0.092563
2	5	7	9.402802999	15.13231	2	5	7	0.057499	0.092535
2	5	8	9.403461109	15.13337	2	5	8	0.057502	0.092541

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	9	9.405266997	15.13627	2	5	9	0.05754	0.092601
2	5	10	9.403443667	15.13334	2	5	10	0.057615	0.092723
2	5	11	9.400333959	15.12833	2	5	11	0.057705	0.092867
2	5	12	9.397678643	15.12406	2	5	12	0.057814	0.093043
2	5	13	9.396247572	15.12176	2	5	13	0.057823	0.093058
2	5	14	9.394654122	15.11919	2	5	14	0.057778	0.092985
2	5	15	9.390561274	15.11261	2	5	15	0.057789	0.093002
2	5	16	9.390752506	15.11291	2	5	16	0.057856	0.09311
2	5	17	9.391141331	15.11354	2	5	17	0.05791	0.093197
2	5	18	9.394620048	15.11914	2	5	18	0.057894	0.093171
2	5	19	9.396257874	15.12177	2	5	19	0.057907	0.093192
2	5	20	9.396331251	15.12189	2	5	20	0.057894	0.093171
2	5	21	9.397767994	15.1242	2	5	21	0.057939	0.093243
2	5	22	9.400424928	15.12848	2	5	22	0.057951	0.093263
2	5	23	9.39731052	15.12347	2	5	23	0.057924	0.09322
2	5	24	9.3989068	15.12604	2	5	24	0.057973	0.093298
2	6	1	8.422467462	13.55461	2	6	1	0.053129	0.085502
2	6	2	8.42263016	13.55488	2	6	2	0.052997	0.08529
2	6	3	8.423587941	13.55642	2	6	3	0.052822	0.085009
2	6	4	8.423313993	13.55598	2	6	4	0.052758	0.084905
2	6	5	8.424522726	13.55792	2	6	5	0.052714	0.084835
2	6	6	8.428573914	13.56444	2	6	6	0.052729	0.084859
2	6	7	8.429533757	13.56599	2	6	7	0.052715	0.084837
2	6	8	8.430096419	13.56689	2	6	8	0.052718	0.084842
2	6	9	8.431687455	13.56945	2	6	9	0.052748	0.084889
2	6	10	8.430081331	13.56687	2	6	10	0.052809	0.084987
2	6	11	8.427434585	13.56261	2	6	11	0.052881	0.085103
2	6	12	8.425098982	13.55885	2	6	12	0.052968	0.085243
2	6	13	8.423862757	13.55686	2	6	13	0.052975	0.085255
2	6	14	8.422533371	13.55472	2	6	14	0.052939	0.085197
2	6	15	8.418956827	13.54896	2	6	15	0.052948	0.085211
2	6	16	8.419078058	13.54916	2	6	16	0.053001	0.085297
2	6	17	8.419445407	13.54975	2	6	17	0.053045	0.085367
2	6	18	8.422444942	13.55458	2	6	18	0.053032	0.085346
2	6	19	8.423872966	13.55688	2	6	19	0.053042	0.085363
2	6	20	8.423883387	13.55689	2	6	20	0.053032	0.085346
2	6	21	8.42518467	13.55899	2	6	21	0.053067	0.085403
2	6	22	8.42745957	13.56265	2	6	22	0.053077	0.085419
2	6	23	8.424809099	13.55838	2	6	23	0.053056	0.085385
2	6	24	8.426142657	13.56053	2	6	24	0.053095	0.085448
2	7	1	7.917348417	12.74171	2	7	1	0.048433	0.077945
2	7	2	7.917454578	12.66793	2	7	2	0.048323	0.077769
2	7	3	7.918359886	12.66938	2	7	3	0.048178	0.077534
2	7	4	7.918124247	12.669	2	7	4	0.048124	0.077448
2	7	5	7.919201949	12.67072	2	7	5	0.048088	0.077389
2	7	6	7.922912124	12.67666	2	7	6	0.0481	0.077409
2	7	7	7.92381761	12.67811	2	7	7	0.048089	0.077391
2	7	8	7.92433548	12.67894	2	7	8	0.048091	0.077395
2	7	9	7.92577126	12.68123	2	7	9	0.048116	0.077435
2	7	10	7.924290725	12.67887	2	7	10	0.048166	0.077516
2	7	11	7.921854271	12.67497	2	7	11	0.048226	0.077613
2	7	12	7.91974868	12.6716	2	7	12	0.048299	0.077729
2	7	13	7.918597018	12.66976	2	7	13	0.048305	0.077739
2	7	14	7.917360349	12.66778	2	7	14	0.048275	0.077691
2	7	15	7.914091556	12.66255	2	7	15	0.048282	0.077703
2	7	16	7.914246113	12.66279	2	7	16	0.048327	0.077774

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	17	7.914566181	12.66331	2	7	17	0.048363	0.077833
2	7	18	7.917285041	12.66766	2	7	18	0.048352	0.077815
2	7	19	7.918623897	12.6698	2	7	19	0.048361	0.077829
2	7	20	7.918651747	12.66984	2	7	20	0.048352	0.077815
2	7	21	7.919813128	12.6717	2	7	21	0.048382	0.077863
2	7	22	7.921920198	12.67507	2	7	22	0.04839	0.077876
2	7	23	7.919466788	12.67115	2	7	23	0.048372	0.077848
2	7	24	7.920719015	12.67315	2	7	24	0.048405	0.0779
2	8	1	6.756086242	10.87284	2	8	1	0.038663	0.062222
2	8	2	6.756172958	10.87298	2	8	2	0.038569	0.06207
2	8	3	6.756920656	10.87418	2	8	3	0.038444	0.061869
2	8	4	6.756724784	10.87387	2	8	4	0.038398	0.061795
2	8	5	6.757607935	10.87529	2	8	5	0.038367	0.061745
2	8	6	6.760651993	10.88019	2	8	6	0.038377	0.061762
2	8	7	6.761394016	10.88138	2	8	7	0.038368	0.061747
2	8	8	6.761817737	10.88206	2	8	8	0.03837	0.06175
2	8	9	6.762999199	10.88397	2	8	9	0.038391	0.061784
2	8	10	6.761788769	10.88202	2	8	10	0.038434	0.061854
2	8	11	6.759785045	10.87879	2	8	11	0.038486	0.061937
2	8	12	6.758055779	10.87601	2	8	12	0.038548	0.062037
2	8	13	6.757113013	10.87449	2	8	13	0.038553	0.062045
2	8	14	6.756095873	10.87286	2	8	14	0.038527	0.062004
2	8	15	6.753414231	10.86854	2	8	15	0.038534	0.062014
2	8	16	6.753546786	10.86875	2	8	16	0.038572	0.062075
2	8	17	6.753804137	10.86917	2	8	17	0.038603	0.062125
2	8	18	6.756037216	10.87276	2	8	18	0.038593	0.06211
2	8	19	6.757131583	10.87452	2	8	19	0.038601	0.062122
2	8	20	6.757152101	10.87456	2	8	20	0.038594	0.06211
2	8	21	6.758110663	10.8761	2	8	21	0.038619	0.062151
2	8	22	6.759833743	10.87887	2	8	22	0.038626	0.062163
2	8	23	6.757826585	10.87564	2	8	23	0.038611	0.062138
2	8	24	6.758851826	10.87729	2	8	24	0.038639	0.062183
2	10	1	6.080671946	9.729075	2	10	1	0.032088	0.051641
2	10	2	6.080740555	9.729185	2	10	2	0.032015	0.051523
2	10	3	6.081363025	9.730181	2	10	3	0.031918	0.051367
2	10	4	6.081195721	9.729913	2	10	4	0.031882	0.051309
2	10	5	6.081931555	9.73109	2	10	5	0.031858	0.05127
2	10	6	6.084446006	9.735114	2	10	6	0.031866	0.051284
2	10	7	6.085062642	9.7361	2	10	7	0.031859	0.051271
2	10	8	6.085411482	9.736658	2	10	8	0.03186	0.051274
2	10	9	6.086394081	9.738231	2	10	9	0.031877	0.051301
2	10	10	6.085385039	9.736616	2	10	10	0.031911	0.051355
2	10	11	6.083732427	9.733972	2	10	11	0.031951	0.051419
2	10	12	6.082302399	9.731684	2	10	12	0.031999	0.051497
2	10	13	6.081523142	9.730437	2	10	13	0.032003	0.051504
2	10	14	6.080681833	9.729091	2	10	14	0.031983	0.051471
2	10	15	6.078463259	9.725541	2	10	15	0.031988	0.051479
2	10	16	6.07856733	9.725708	2	10	16	0.032017	0.051527
2	10	17	6.07878517	9.726056	2	10	17	0.032042	0.051566
2	10	18	6.080632878	9.729013	2	10	18	0.032034	0.051554
2	10	19	6.081536982	9.730459	2	10	19	0.03204	0.051564
2	10	20	6.081554609	9.730487	2	10	20	0.032034	0.051554
2	10	21	6.082340603	9.731745	2	10	21	0.032054	0.051586
2	10	22	6.083773309	9.734037	2	10	22	0.03206	0.051595
2	10	23	6.082114682	9.731383	2	10	23	0.032048	0.051576
2	10	24	6.082957358	9.732732	2	10	24	0.03207	0.051611

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	11	1	5.801654389	9.282647	2	11	1	0.028827	0.046392
2	11	2	5.801720043	9.282752	2	11	2	0.028761	0.046286
2	11	3	5.802269011	9.28363	2	11	3	0.028674	0.046146
2	11	4	5.80212423	9.283399	2	11	4	0.028641	0.046094
2	11	5	5.802786216	9.284458	2	11	5	0.02862	0.046059
2	11	6	5.805062892	9.288101	2	11	6	0.028627	0.046071
2	11	7	5.805617875	9.288989	2	11	7	0.02862	0.04606
2	11	8	5.805934314	9.289495	2	11	8	0.028622	0.046062
2	11	9	5.806815036	9.290904	2	11	9	0.028637	0.046086
2	11	10	5.80591206	9.289459	2	11	10	0.028667	0.046135
2	11	11	5.804412701	9.28706	2	11	11	0.028703	0.046193
2	11	12	5.803121379	9.284994	2	11	12	0.028746	0.046263
2	11	13	5.802419081	9.283871	2	11	13	0.02875	0.046269
2	11	14	5.801662723	9.28266	2	11	14	0.028732	0.04624
2	11	15	5.799654218	9.279447	2	11	15	0.028736	0.046247
2	11	16	5.799750086	9.2796	2	11	16	0.028763	0.04629
2	11	17	5.799949828	9.27992	2	11	17	0.028785	0.046325
2	11	18	5.801616078	9.282586	2	11	18	0.028778	0.046314
2	11	19	5.802432386	9.283892	2	11	19	0.028784	0.046323
2	11	20	5.80244945	9.283919	2	11	20	0.028778	0.046314
2	11	21	5.803159797	9.285056	2	11	21	0.028796	0.046343
2	11	22	5.804452181	9.287123	2	11	22	0.028801	0.046351
2	11	23	5.802954492	9.284727	2	11	23	0.028791	0.046334
2	11	24	5.803714004	9.285942	2	11	24	0.02881	0.046365
2	13	1	5.492308003	8.838991	2	13	1	0.024466	0.039375
2	13	2	5.492360091	8.839075	2	13	2	0.024411	0.039286
2	13	3	5.492850776	8.839864	2	13	3	0.024339	0.039169
2	13	4	5.492723354	8.839659	2	13	4	0.024312	0.039126
2	13	5	5.49329589	8.840581	2	13	5	0.024293	0.039096
2	13	6	5.495291747	8.843793	2	13	6	0.0243	0.039107
2	13	7	5.495781644	8.844581	2	13	7	0.024294	0.039097
2	13	8	5.496051919	8.845016	2	13	8	0.024295	0.039099
2	13	9	5.496826063	8.846262	2	13	9	0.024308	0.039119
2	13	10	5.496032689	8.844985	2	13	10	0.024333	0.03916
2	13	11	5.494723291	8.842878	2	13	11	0.024363	0.039208
2	13	12	5.49359377	8.84106	2	13	12	0.024399	0.039267
2	13	13	5.492975191	8.840065	2	13	13	0.024402	0.039272
2	13	14	5.49231135	8.838996	2	13	14	0.024387	0.039247
2	13	15	5.490555064	8.83617	2	13	15	0.024391	0.039253
2	13	16	5.490642233	8.83631	2	13	16	0.024413	0.039289
2	13	17	5.490813353	8.836586	2	13	17	0.024431	0.039318
2	13	18	5.492272648	8.838934	2	13	18	0.024426	0.039309
2	13	19	5.49299307	8.840093	2	13	19	0.02443	0.039317
2	13	20	5.493004974	8.840113	2	13	20	0.024426	0.039309
2	13	21	5.493630694	8.84112	2	13	21	0.024441	0.039333
2	13	22	5.494759815	8.842937	2	13	22	0.024445	0.03934
2	13	23	5.493446868	8.840824	2	13	23	0.024436	0.039326
2	13	24	5.49411393	8.841897	2	13	24	0.024452	0.039352
3	1	1	39.9749054	64.33321	3	1	1	0.230817	0.371463
3	1	2	39.97555318	64.33426	3	1	2	0.2295	0.369344
3	1	3	39.98096541	64.34297	3	1	3	0.227753	0.366532
3	1	4	39.97949793	64.34061	3	1	4	0.227108	0.365494
3	1	5	39.98587735	64.35087	3	1	5	0.226671	0.364791
3	1	6	40.00788511	64.38629	3	1	6	0.226822	0.365033
3	1	7	40.01317282	64.3948	3	1	7	0.226684	0.364811
3	1	8	40.01624428	64.39974	3	1	8	0.226712	0.364857

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	1	9	40.02478011	64.41348	3	1	9	0.22701	0.365337
3	1	10	40.01603894	64.39941	3	1	10	0.227617	0.366313
3	1	11	40.0016101	64.37619	3	1	11	0.228337	0.367472
3	1	12	39.98914429	64.35613	3	1	12	0.229207	0.368873
3	1	13	39.98237623	64.34524	3	1	13	0.229282	0.368993
3	1	14	39.97507196	64.33348	3	1	14	0.228919	0.368409
3	1	15	39.95573687	64.30237	3	1	15	0.229008	0.368551
3	1	16	39.95666897	64.30387	3	1	16	0.229542	0.369411
3	1	17	39.95855166	64.3069	3	1	17	0.229978	0.370113
3	1	18	39.97459834	64.33272	3	1	18	0.229845	0.369899
3	1	19	39.98248122	64.34541	3	1	19	0.229952	0.370071
3	1	20	39.9826656	64.3457	3	1	20	0.229847	0.369902
3	1	21	39.98951239	64.35672	3	1	21	0.230203	0.370475
3	1	22	40.00199954	64.37682	3	1	22	0.230302	0.370635
3	1	23	39.98746497	64.35343	3	1	23	0.23009	0.370293
3	1	24	39.99486359	64.36533	3	1	24	0.23048	0.37092
3	7	1	7.875346347	12.60055	3	7	1	0.0483	0.07773
3	7	2	7.875451231	12.60072	3	7	2	0.04819	0.077554
3	7	3	7.876344214	12.60215	3	7	3	0.048044	0.077319
3	7	4	7.8761107	12.60178	3	7	4	0.04799	0.077233
3	7	5	7.877173952	12.60348	3	7	5	0.047954	0.077174
3	7	6	7.88083653	12.60934	3	7	6	0.047967	0.077195
3	7	7	7.881730539	12.61077	3	7	7	0.047955	0.077176
3	7	8	7.882241189	12.61159	3	7	8	0.047957	0.07718
3	7	9	7.88365869	12.61385	3	7	9	0.047982	0.07722
3	7	10	7.882197282	12.61152	3	7	10	0.048033	0.077301
3	7	11	7.879793127	12.60767	3	7	11	0.048093	0.077398
3	7	12	7.87771431	12.60434	3	7	12	0.048165	0.077515
3	7	13	7.876578374	12.60253	3	7	13	0.048172	0.077525
3	7	14	7.875357002	12.60057	3	7	14	0.048141	0.077476
3	7	15	7.872131558	12.59541	3	7	15	0.048149	0.077488
3	7	16	7.872283143	12.59565	3	7	16	0.048193	0.077559
3	7	17	7.872599382	12.59616	3	7	17	0.04823	0.077618
3	7	18	7.875283819	12.60045	3	7	18	0.048219	0.0776
3	7	19	7.876603977	12.60257	3	7	19	0.048227	0.077614
3	7	20	7.876631827	12.60261	3	7	20	0.048219	0.0776
3	7	21	7.877777483	12.60444	3	7	21	0.048248	0.077648
3	7	22	7.879857778	12.60777	3	7	22	0.048257	0.077661
3	7	23	7.877435391	12.6039	3	7	23	0.048239	0.077633
3	7	24	7.878671893	12.60588	3	7	24	0.048271	0.077685
3	8	1	6.76063665	10.88016	3	8	1	0.038597	0.062115
3	8	2	6.760722089	10.8803	3	8	2	0.038503	0.061964
3	8	3	6.761466387	10.8815	3	8	3	0.038378	0.061763
3	8	4	6.761270515	10.88118	3	8	4	0.038332	0.061689
3	8	5	6.762149838	10.8826	3	8	5	0.038301	0.061639
3	8	6	6.765176038	10.88747	3	8	6	0.038312	0.061656
3	8	7	6.765914233	10.88866	3	8	7	0.038302	0.06164
3	8	8	6.766335829	10.88933	3	8	8	0.038304	0.061644
3	8	9	6.767510062	10.89122	3	8	9	0.038325	0.061678
3	8	10	6.76630771	10.88929	3	8	10	0.038368	0.061748
3	8	11	6.764315043	10.88608	3	8	11	0.03842	0.06183
3	8	12	6.762594281	10.88331	3	8	12	0.038482	0.06193
3	8	13	6.761657468	10.88181	3	8	13	0.038487	0.061939
3	8	14	6.76064628	10.88018	3	8	14	0.038461	0.061897
3	8	15	6.757979524	10.87589	3	8	15	0.038468	0.061908
3	8	16	6.758110803	10.8761	3	8	16	0.038506	0.061969

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	17	6.758367725	10.87651	3	8	17	0.038537	0.062019
3	8	18	6.760588899	10.88009	3	8	18	0.038527	0.062004
3	8	19	6.761675189	10.88183	3	8	19	0.038535	0.062016
3	8	20	6.761695708	10.88187	3	8	20	0.038528	0.062004
3	8	21	6.762649166	10.8834	3	8	21	0.038553	0.062045
3	8	22	6.764363741	10.88616	3	8	22	0.03856	0.062056
3	8	23	6.762366363	10.88295	3	8	23	0.038545	0.062032
3	8	24	6.763387776	10.88459	3	8	24	0.038573	0.062077
3	10	1	6.085827443	9.737324	3	10	1	0.032074	0.051618
3	10	2	6.085895205	9.737432	3	10	2	0.032001	0.0515
3	10	3	6.086515122	9.738424	3	10	3	0.031904	0.051344
3	10	4	6.086349094	9.738159	3	10	4	0.031868	0.051286
3	10	5	6.087082377	9.739332	3	10	5	0.031843	0.051247
3	10	6	6.089588751	9.743342	3	10	6	0.031852	0.05126
3	10	7	6.090204111	9.744327	3	10	7	0.031844	0.051248
3	10	8	6.090551674	9.744883	3	10	8	0.031846	0.051251
3	10	9	6.091525617	9.746441	3	10	9	0.031862	0.051277
3	10	10	6.090523955	9.744838	3	10	10	0.031896	0.051332
3	10	11	6.088877295	9.742204	3	10	11	0.031936	0.051396
3	10	12	6.087451944	9.739923	3	10	12	0.031984	0.051474
3	10	13	6.086676515	9.738682	3	10	13	0.031989	0.05148
3	10	14	6.085835206	9.737336	3	10	14	0.031968	0.051448
3	10	15	6.083625137	9.7338	3	10	15	0.031973	0.051456
3	10	16	6.083730057	9.733968	3	10	16	0.032003	0.051504
3	10	17	6.083945772	9.734313	3	10	17	0.032027	0.051543
3	10	18	6.085788375	9.737261	3	10	18	0.03202	0.051531
3	10	19	6.086687804	9.7387	3	10	19	0.032026	0.05154
3	10	20	6.08670543	9.738729	3	10	20	0.03202	0.051531
3	10	21	6.087491424	9.739986	3	10	21	0.03204	0.051563
3	10	22	6.088918178	9.742269	3	10	22	0.032045	0.051572
3	10	23	6.087263379	9.739621	3	10	23	0.032033	0.051553
3	10	24	6.088104351	9.740967	3	10	24	0.032055	0.051587
3	11	1	5.804062636	9.2865	3	11	1	0.02882	0.046381
3	11	2	5.804129137	9.286607	3	11	2	0.028754	0.046275
3	11	3	5.804678105	9.287485	3	11	3	0.028667	0.046135
3	11	4	5.804533325	9.287253	3	11	4	0.028635	0.046083
3	11	5	5.805193187	9.288309	3	11	5	0.028613	0.046048
3	11	6	5.807466034	9.291946	3	11	6	0.02862	0.04606
3	11	7	5.808021017	9.292834	3	11	7	0.028613	0.046049
3	11	8	5.808335332	9.293337	3	11	8	0.028615	0.046051
3	11	9	5.809216053	9.294746	3	11	9	0.02863	0.046075
3	11	10	5.808314354	9.293303	3	11	10	0.02866	0.046124
3	11	11	5.806817119	9.290907	3	11	11	0.028696	0.046182
3	11	12	5.805527073	9.288843	3	11	12	0.02874	0.046252
3	11	13	5.8048269	9.287723	3	11	13	0.028743	0.046258
3	11	14	5.804071818	9.286515	3	11	14	0.028725	0.046229
3	11	15	5.802067989	9.283309	3	11	15	0.02873	0.046236
3	11	16	5.802162581	9.28346	3	11	16	0.028756	0.046279
3	11	17	5.802363599	9.283782	3	11	17	0.028778	0.046314
3	11	18	5.804025173	9.28644	3	11	18	0.028772	0.046303
3	11	19	5.804839357	9.287743	3	11	19	0.028777	0.046312
3	11	20	5.804857697	9.287772	3	11	20	0.028772	0.046303
3	11	21	5.805565492	9.288905	3	11	21	0.028789	0.046332
3	11	22	5.806856599	9.290971	3	11	22	0.028794	0.04634
3	11	23	5.805361463	9.288578	3	11	23	0.028784	0.046323
3	11	24	5.806119698	9.289792	3	11	24	0.028803	0.046354

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	TRK	TRK	RoadTypeID	AverageSpeedID	HourID	TRK	TRK
5	6	1	8.441249405	13.58484	5	6	1	0.053011	0.085312
5	6	2	8.441413378	13.5851	5	6	2	0.052879	0.085101
5	6	3	8.442369455	13.58664	5	6	3	0.052704	0.084819
5	6	4	8.442095936	13.5862	5	6	4	0.05264	0.084715
5	6	5	8.443302965	13.58815	5	6	5	0.052596	0.084645
5	6	6	8.447351593	13.59466	5	6	6	0.052611	0.084669
5	6	7	8.448307607	13.5962	5	6	7	0.052597	0.084647
5	6	8	8.448871117	13.59711	5	6	8	0.0526	0.084652
5	6	9	8.450460448	13.59966	5	6	9	0.05263	0.0847
5	6	10	8.448856029	13.59708	5	6	10	0.052691	0.084797
5	6	11	8.446212691	13.59283	5	6	11	0.052763	0.084913
5	6	12	8.443877945	13.58907	5	6	12	0.05285	0.085053
5	6	13	8.442644271	13.58709	5	6	13	0.052857	0.085065
5	6	14	8.441253435	13.58485	5	6	14	0.052821	0.085007
5	6	15	8.437742605	13.5792	5	6	15	0.05283	0.085021
5	6	16	8.437863837	13.57939	5	6	16	0.052883	0.085107
5	6	17	8.43822991	13.57998	5	6	17	0.052927	0.085177
5	6	18	8.441226037	13.5848	5	6	18	0.052914	0.085156
5	6	19	8.442653633	13.5871	5	6	19	0.052924	0.085173
5	6	20	8.442663625	13.58712	5	6	20	0.052914	0.085156
5	6	21	8.443963632	13.58921	5	6	21	0.052949	0.085214
5	6	22	8.446237248	13.59287	5	6	22	0.052959	0.08523
5	6	23	8.443589337	13.58861	5	6	23	0.052938	0.085195
5	6	24	8.44492204	13.59075	5	6	24	0.052977	0.085258
5	8	1	6.76063665	10.88016	5	8	1	0.038597	0.062115
5	8	2	6.760722089	10.8803	5	8	2	0.038503	0.061964
5	8	3	6.761466387	10.8815	5	8	3	0.038378	0.061763
5	8	4	6.761270515	10.88118	5	8	4	0.038332	0.061689
5	8	5	6.762149838	10.8826	5	8	5	0.038301	0.061639
5	8	6	6.765176038	10.88747	5	8	6	0.038312	0.061656
5	8	7	6.765914233	10.88866	5	8	7	0.038302	0.06164
5	8	8	6.766335829	10.88933	5	8	8	0.038304	0.061644
5	8	9	6.767510062	10.89122	5	8	9	0.038325	0.061678
5	8	10	6.76630771	10.88929	5	8	10	0.038368	0.061748
5	8	11	6.764315043	10.88608	5	8	11	0.03842	0.06183
5	8	12	6.762594281	10.88331	5	8	12	0.038482	0.06193
5	8	13	6.761657468	10.88181	5	8	13	0.038487	0.061939
5	8	14	6.76064628	10.88018	5	8	14	0.038461	0.061897
5	8	15	6.757979524	10.87589	5	8	15	0.038468	0.061908
5	8	16	6.758110803	10.8761	5	8	16	0.038506	0.061969
5	8	17	6.758367725	10.87651	5	8	17	0.038537	0.062019
5	8	18	6.760588899	10.88009	5	8	18	0.038527	0.062004
5	8	19	6.761675189	10.88183	5	8	19	0.038535	0.062016
5	8	20	6.761695708	10.88187	5	8	20	0.038528	0.062004
5	8	21	6.762649166	10.8834	5	8	21	0.038553	0.062045
5	8	22	6.764363741	10.88616	5	8	22	0.03856	0.062056
5	8	23	6.762366363	10.88295	5	8	23	0.038545	0.062032
5	8	24	6.763387776	10.88459	5	8	24	0.038573	0.062077
5	11	1	5.804062636	9.34071	5	11	1	0.02882	0.046381

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	TRK	TRK	RoadTypeID	AverageSpeedID	HourID	TRK	TRK
5	11	2	5.804129137	9.340817	5	11	2	0.028754	0.046275
5	11	3	5.804678105	9.341701	5	11	3	0.028667	0.046135
5	11	4	5.804533325	9.341468	5	11	4	0.028635	0.046083
5	11	5	5.805193187	9.34253	5	11	5	0.028613	0.046048
5	11	6	5.807466034	9.346187	5	11	6	0.02862	0.04606
5	11	7	5.808021017	9.347081	5	11	7	0.028613	0.046049
5	11	8	5.808335332	9.347586	5	11	8	0.028615	0.046051
5	11	9	5.809216053	9.349004	5	11	9	0.02863	0.046075
5	11	10	5.808314354	9.347553	5	11	10	0.02866	0.046124
5	11	11	5.806817119	9.345143	5	11	11	0.028696	0.046182
5	11	12	5.805527073	9.343067	5	11	12	0.02874	0.046252
5	11	13	5.8048269	9.34194	5	11	13	0.028743	0.046258
5	11	14	5.804071818	9.340725	5	11	14	0.028725	0.046229
5	11	15	5.802067989	9.3375	5	11	15	0.02873	0.046236
5	11	16	5.802162581	9.337652	5	11	16	0.028756	0.046279
5	11	17	5.802363599	9.337976	5	11	17	0.028778	0.046314
5	11	18	5.804025173	9.34065	5	11	18	0.028772	0.046303
5	11	19	5.804839357	9.34196	5	11	19	0.028777	0.046312
5	11	20	5.804857697	9.34199	5	11	20	0.028772	0.046303
5	11	21	5.805565492	9.343129	5	11	21	0.028789	0.046332
5	11	22	5.806856599	9.345207	5	11	22	0.028794	0.04634
5	11	23	5.805361463	9.3428	5	11	23	0.028784	0.046323
5	11	24	5.806119698	9.344021	5	11	24	0.028803	0.046354
5	7	1	7.875346347	12.67411	5	7	1	0.0483	0.07773
5	7	2	7.875451231	12.67428	5	7	2	0.04819	0.077554
5	7	3	7.876344214	12.67572	5	7	3	0.048044	0.077319
5	7	4	7.8761107	12.67534	5	7	4	0.04799	0.077233
5	7	5	7.877173952	12.67705	5	7	5	0.047954	0.077174
5	7	6	7.88083653	12.68295	5	7	6	0.047967	0.077195
5	7	7	7.881730539	12.68438	5	7	7	0.047955	0.077176
5	7	8	7.882241189	12.68521	5	7	8	0.047957	0.07718
5	7	9	7.88365869	12.68749	5	7	9	0.047982	0.07722
5	7	10	7.882197282	12.68514	5	7	10	0.048033	0.077301
5	7	11	7.879793127	12.68127	5	7	11	0.048093	0.077398
5	7	12	7.87771431	12.67792	5	7	12	0.048165	0.077515
5	7	13	7.876578374	12.67609	5	7	13	0.048172	0.077525
5	7	14	7.875357002	12.67413	5	7	14	0.048141	0.077476
5	7	15	7.872131558	12.66894	5	7	15	0.048149	0.077488
5	7	16	7.872282909	12.66918	5	7	16	0.048193	0.077559
5	7	17	7.872599651	12.66969	5	7	17	0.04823	0.077618
5	7	18	7.875283819	12.67401	5	7	18	0.048219	0.0776
5	7	19	7.876603977	12.67613	5	7	19	0.048227	0.077614
5	7	20	7.876631827	12.67618	5	7	20	0.048219	0.0776
5	7	21	7.877777483	12.67802	5	7	21	0.048248	0.077648
5	7	22	7.879857778	12.68137	5	7	22	0.048257	0.077661
5	7	23	7.877435391	12.67747	5	7	23	0.048239	0.077633
5	7	24	7.878671893	12.67946	5	7	24	0.048271	0.077685

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	0.030513	0.049106	1	0	1	1.473335	2.371097
1	0	2	0.030513	0.049106	1	0	2	1.473335	2.371097
1	0	3	0.030513	0.049106	1	0	3	1.473335	2.371097
1	0	4	0.030513	0.049106	1	0	4	1.473335	2.371097
1	0	5	0.030513	0.049106	1	0	5	1.473335	2.371097
1	0	6	0.030513	0.049106	1	0	6	1.473335	2.371097
1	0	7	0.030513	0.049106	1	0	7	1.473335	2.371097
1	0	8	0.030513	0.049106	1	0	8	1.473335	2.371097
1	0	9	0.030513	0.049106	1	0	9	1.473335	2.371097
1	0	10	0.030513	0.049106	1	0	10	1.473335	2.371097
1	0	11	0.030513	0.049106	1	0	11	1.473335	2.371097
1	0	12	0.030513	0.049106	1	0	12	1.473335	2.371097
1	0	13	0.030513	0.049106	1	0	13	1.473335	2.371097
1	0	14	0.030513	0.049106	1	0	14	1.473335	2.371097
1	0	15	0.030513	0.049106	1	0	15	1.473335	2.371097
1	0	16	0.030513	0.049106	1	0	16	1.473335	2.371097
1	0	17	0.030513	0.049106	1	0	17	1.473335	2.371097
1	0	18	0.030513	0.049106	1	0	18	1.473335	2.371097
1	0	19	0.030513	0.049106	1	0	19	1.473335	2.371097
1	0	20	0.030513	0.049106	1	0	20	1.473335	2.371097
1	0	21	0.030513	0.049106	1	0	21	1.473335	2.371097
1	0	22	0.030513	0.049106	1	0	22	1.473335	2.371097
1	0	23	0.030513	0.049106	1	0	23	1.473335	2.371097
1	0	24	0.030513	0.049106	1	0	24	1.473335	2.371097
2	1	1	0.027516	0.044282	2	1	1	0.959619	1.544353
2	1	2	0.027516	0.044282	2	1	2	0.959619	1.544353
2	1	3	0.027516	0.044282	2	1	3	0.959619	1.544353
2	1	4	0.027516	0.044282	2	1	4	0.959619	1.544353
2	1	5	0.027516	0.044282	2	1	5	0.959619	1.544353
2	1	6	0.027516	0.044282	2	1	6	0.959619	1.544353
2	1	7	0.027516	0.044282	2	1	7	0.959619	1.544353
2	1	8	0.027516	0.044282	2	1	8	0.959619	1.544353
2	1	9	0.027516	0.044282	2	1	9	0.959619	1.544353
2	1	10	0.027516	0.044282	2	1	10	0.959619	1.544353
2	1	11	0.027516	0.044282	2	1	11	0.959619	1.544353
2	1	12	0.027516	0.044282	2	1	12	0.959619	1.544353
2	1	13	0.027516	0.044282	2	1	13	0.959619	1.544353
2	1	14	0.027516	0.044282	2	1	14	0.959619	1.544353
2	1	15	0.027516	0.044282	2	1	15	0.959619	1.544353
2	1	16	0.027516	0.044282	2	1	16	0.959619	1.544353
2	1	17	0.027516	0.044282	2	1	17	0.959619	1.544353
2	1	18	0.027516	0.044282	2	1	18	0.959619	1.544353
2	1	19	0.027516	0.044282	2	1	19	0.959619	1.544353
2	1	20	0.027516	0.044282	2	1	20	0.959619	1.544353
2	1	21	0.027516	0.044282	2	1	21	0.959619	1.544353
2	1	22	0.027516	0.044282	2	1	22	0.959619	1.544353
2	1	23	0.027516	0.044282	2	1	23	0.959619	1.544353
2	1	24	0.027516	0.044282	2	1	24	0.959619	1.544353
2	5	1	0.007044	0.011337	2	5	1	0.187106	0.301118
2	5	2	0.007044	0.011337	2	5	2	0.187106	0.301118
2	5	3	0.007044	0.011337	2	5	3	0.187106	0.301118
2	5	4	0.007044	0.011337	2	5	4	0.187106	0.301118
2	5	5	0.007044	0.011337	2	5	5	0.187106	0.301118
2	5	6	0.007044	0.011337	2	5	6	0.187106	0.301118
2	5	7	0.007044	0.011337	2	5	7	0.187106	0.301118
2	5	8	0.007044	0.011337	2	5	8	0.187106	0.301118

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	9	0.007044	0.011337	2	5	9	0.187106	0.301118
2	5	10	0.007044	0.011337	2	5	10	0.187106	0.301118
2	5	11	0.007044	0.011337	2	5	11	0.187106	0.301118
2	5	12	0.007044	0.011337	2	5	12	0.187106	0.301118
2	5	13	0.007044	0.011337	2	5	13	0.187106	0.301118
2	5	14	0.007044	0.011337	2	5	14	0.187106	0.301118
2	5	15	0.007044	0.011337	2	5	15	0.187106	0.301118
2	5	16	0.007044	0.011337	2	5	16	0.187106	0.301118
2	5	17	0.007044	0.011337	2	5	17	0.187106	0.301118
2	5	18	0.007044	0.011337	2	5	18	0.187106	0.301118
2	5	19	0.007044	0.011337	2	5	19	0.187106	0.301118
2	5	20	0.007044	0.011337	2	5	20	0.187106	0.301118
2	5	21	0.007044	0.011337	2	5	21	0.187106	0.301118
2	5	22	0.007044	0.011337	2	5	22	0.187106	0.301118
2	5	23	0.007044	0.011337	2	5	23	0.187106	0.301118
2	5	24	0.007044	0.011337	2	5	24	0.187106	0.301118
2	6	1	0.006583	0.010594	2	6	1	0.155149	0.249688
2	6	2	0.006583	0.010594	2	6	2	0.155149	0.249688
2	6	3	0.006583	0.010594	2	6	3	0.155149	0.249688
2	6	4	0.006583	0.010594	2	6	4	0.15515	0.249689
2	6	5	0.006583	0.010594	2	6	5	0.155149	0.249688
2	6	6	0.006583	0.010594	2	6	6	0.155149	0.249688
2	6	7	0.006583	0.010594	2	6	7	0.155149	0.249688
2	6	8	0.006583	0.010594	2	6	8	0.155149	0.249688
2	6	9	0.006583	0.010594	2	6	9	0.155149	0.249688
2	6	10	0.006583	0.010594	2	6	10	0.155149	0.249688
2	6	11	0.006583	0.010594	2	6	11	0.155149	0.249688
2	6	12	0.006583	0.010594	2	6	12	0.155149	0.249688
2	6	13	0.006583	0.010594	2	6	13	0.155149	0.249688
2	6	14	0.006583	0.010594	2	6	14	0.155149	0.249688
2	6	15	0.006583	0.010594	2	6	15	0.155149	0.249688
2	6	16	0.006583	0.010594	2	6	16	0.155149	0.249688
2	6	17	0.006583	0.010594	2	6	17	0.155149	0.249688
2	6	18	0.006583	0.010594	2	6	18	0.155149	0.249688
2	6	19	0.006583	0.010594	2	6	19	0.155149	0.249688
2	6	20	0.006583	0.010594	2	6	20	0.155149	0.249688
2	6	21	0.006583	0.010594	2	6	21	0.155149	0.249688
2	6	22	0.006583	0.010594	2	6	22	0.155149	0.249688
2	6	23	0.006583	0.010594	2	6	23	0.155149	0.249688
2	6	24	0.006583	0.010594	2	6	24	0.155149	0.249688
2	7	1	0.006111	0.009835	2	7	1	0.13221	0.212771
2	7	2	0.006111	0.009835	2	7	2	0.13221	0.212771
2	7	3	0.006111	0.009835	2	7	3	0.13221	0.212771
2	7	4	0.006111	0.009835	2	7	4	0.13221	0.212771
2	7	5	0.006111	0.009835	2	7	5	0.13221	0.212771
2	7	6	0.006111	0.009835	2	7	6	0.13221	0.212771
2	7	7	0.006111	0.009835	2	7	7	0.13221	0.212771
2	7	8	0.006111	0.009835	2	7	8	0.13221	0.212771
2	7	9	0.006111	0.009835	2	7	9	0.13221	0.212771
2	7	10	0.006111	0.009835	2	7	10	0.13221	0.212771
2	7	11	0.006111	0.009835	2	7	11	0.13221	0.212771
2	7	12	0.006111	0.009835	2	7	12	0.13221	0.212771
2	7	13	0.006111	0.009835	2	7	13	0.13221	0.212771
2	7	14	0.006111	0.009835	2	7	14	0.13221	0.212771
2	7	15	0.006111	0.009835	2	7	15	0.13221	0.212771
2	7	16	0.006111	0.009835	2	7	16	0.13221	0.212771

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	17	0.006111	0.009835	2	7	17	0.13221	0.212771
2	7	18	0.006111	0.009835	2	7	18	0.13221	0.212771
2	7	19	0.006111	0.009835	2	7	19	0.13221	0.212771
2	7	20	0.006111	0.009835	2	7	20	0.13221	0.212771
2	7	21	0.006111	0.009835	2	7	21	0.13221	0.212771
2	7	22	0.006111	0.009835	2	7	22	0.13221	0.212771
2	7	23	0.006111	0.009835	2	7	23	0.13221	0.212771
2	7	24	0.006111	0.009835	2	7	24	0.13221	0.212771
2	8	1	0.004909	0.0079	2	8	1	0.112316	0.180755
2	8	2	0.004909	0.0079	2	8	2	0.112316	0.180755
2	8	3	0.004909	0.0079	2	8	3	0.112316	0.180755
2	8	4	0.004909	0.0079	2	8	4	0.112316	0.180755
2	8	5	0.004909	0.0079	2	8	5	0.112316	0.180755
2	8	6	0.004909	0.0079	2	8	6	0.112316	0.180755
2	8	7	0.004909	0.0079	2	8	7	0.112316	0.180755
2	8	8	0.004909	0.0079	2	8	8	0.112316	0.180755
2	8	9	0.004909	0.0079	2	8	9	0.112316	0.180755
2	8	10	0.004909	0.0079	2	8	10	0.112316	0.180755
2	8	11	0.004909	0.0079	2	8	11	0.112316	0.180755
2	8	12	0.004909	0.0079	2	8	12	0.112316	0.180755
2	8	13	0.004909	0.0079	2	8	13	0.112316	0.180755
2	8	14	0.004909	0.0079	2	8	14	0.112316	0.180755
2	8	15	0.004909	0.0079	2	8	15	0.112316	0.180755
2	8	16	0.004909	0.0079	2	8	16	0.112316	0.180755
2	8	17	0.004909	0.0079	2	8	17	0.112316	0.180755
2	8	18	0.004909	0.0079	2	8	18	0.112316	0.180755
2	8	19	0.004909	0.0079	2	8	19	0.112316	0.180755
2	8	20	0.004909	0.0079	2	8	20	0.112316	0.180755
2	8	21	0.004909	0.0079	2	8	21	0.112316	0.180755
2	8	22	0.004909	0.0079	2	8	22	0.112316	0.180755
2	8	23	0.004909	0.0079	2	8	23	0.112316	0.180755
2	8	24	0.004909	0.0079	2	8	24	0.112316	0.180755
2	10	1	0.004178	0.006724	2	10	1	0.084513	0.136009
2	10	2	0.004178	0.006724	2	10	2	0.084513	0.136009
2	10	3	0.004178	0.006724	2	10	3	0.084513	0.136009
2	10	4	0.004178	0.006724	2	10	4	0.084513	0.136009
2	10	5	0.004178	0.006724	2	10	5	0.084513	0.136009
2	10	6	0.004178	0.006724	2	10	6	0.084513	0.136009
2	10	7	0.004178	0.006724	2	10	7	0.084513	0.136009
2	10	8	0.004178	0.006724	2	10	8	0.084513	0.136009
2	10	9	0.004178	0.006724	2	10	9	0.084513	0.136009
2	10	10	0.004178	0.006724	2	10	10	0.084513	0.136009
2	10	11	0.004178	0.006724	2	10	11	0.084513	0.136009
2	10	12	0.004178	0.006724	2	10	12	0.084513	0.136009
2	10	13	0.004178	0.006724	2	10	13	0.084513	0.136009
2	10	14	0.004178	0.006724	2	10	14	0.084513	0.136009
2	10	15	0.004178	0.006724	2	10	15	0.084513	0.136009
2	10	16	0.004178	0.006724	2	10	16	0.084513	0.136009
2	10	17	0.004178	0.006724	2	10	17	0.084513	0.136009
2	10	18	0.004178	0.006724	2	10	18	0.084513	0.136009
2	10	19	0.004178	0.006724	2	10	19	0.084513	0.136009
2	10	20	0.004178	0.006724	2	10	20	0.084513	0.136009
2	10	21	0.004178	0.006724	2	10	21	0.084513	0.136009
2	10	22	0.004178	0.006724	2	10	22	0.084513	0.136009
2	10	23	0.004178	0.006724	2	10	23	0.084513	0.136009
2	10	24	0.004178	0.006724	2	10	24	0.084513	0.136009

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	11	1	0.00379	0.0061	2	11	1	0.073622	0.118483
2	11	2	0.00379	0.0061	2	11	2	0.073622	0.118483
2	11	3	0.00379	0.0061	2	11	3	0.073622	0.118483
2	11	4	0.00379	0.0061	2	11	4	0.073622	0.118483
2	11	5	0.00379	0.0061	2	11	5	0.073622	0.118483
2	11	6	0.00379	0.0061	2	11	6	0.073622	0.118483
2	11	7	0.00379	0.0061	2	11	7	0.073622	0.118483
2	11	8	0.00379	0.0061	2	11	8	0.073622	0.118483
2	11	9	0.00379	0.0061	2	11	9	0.073622	0.118483
2	11	10	0.00379	0.0061	2	11	10	0.073622	0.118483
2	11	11	0.00379	0.0061	2	11	11	0.073622	0.118483
2	11	12	0.00379	0.0061	2	11	12	0.073622	0.118483
2	11	13	0.00379	0.0061	2	11	13	0.073622	0.118483
2	11	14	0.00379	0.0061	2	11	14	0.073622	0.118483
2	11	15	0.00379	0.0061	2	11	15	0.073622	0.118483
2	11	16	0.00379	0.0061	2	11	16	0.073622	0.118483
2	11	17	0.00379	0.0061	2	11	17	0.073622	0.118483
2	11	18	0.00379	0.0061	2	11	18	0.073622	0.118483
2	11	19	0.00379	0.0061	2	11	19	0.073622	0.118483
2	11	20	0.00379	0.0061	2	11	20	0.073622	0.118483
2	11	21	0.00379	0.0061	2	11	21	0.073622	0.118483
2	11	22	0.00379	0.0061	2	11	22	0.073622	0.118483
2	11	23	0.00379	0.0061	2	11	23	0.073622	0.118483
2	11	24	0.00379	0.0061	2	11	24	0.073622	0.118483
2	13	1	0.003261	0.005249	2	13	1	0.057536	0.092596
2	13	2	0.003261	0.005249	2	13	2	0.057536	0.092596
2	13	3	0.003261	0.005249	2	13	3	0.057536	0.092596
2	13	4	0.003261	0.005249	2	13	4	0.057536	0.092596
2	13	5	0.003261	0.005249	2	13	5	0.057536	0.092596
2	13	6	0.003261	0.005249	2	13	6	0.057536	0.092596
2	13	7	0.003261	0.005249	2	13	7	0.057536	0.092596
2	13	8	0.003261	0.005249	2	13	8	0.057536	0.092596
2	13	9	0.003261	0.005249	2	13	9	0.057536	0.092596
2	13	10	0.003261	0.005249	2	13	10	0.057536	0.092596
2	13	11	0.003261	0.005249	2	13	11	0.057536	0.092596
2	13	12	0.003261	0.005249	2	13	12	0.057536	0.092596
2	13	13	0.003261	0.005249	2	13	13	0.057536	0.092596
2	13	14	0.003261	0.005249	2	13	14	0.057536	0.092596
2	13	15	0.003261	0.005249	2	13	15	0.057536	0.092596
2	13	16	0.003261	0.005249	2	13	16	0.057536	0.092596
2	13	17	0.003261	0.005249	2	13	17	0.057536	0.092596
2	13	18	0.003261	0.005249	2	13	18	0.057536	0.092596
2	13	19	0.003261	0.005249	2	13	19	0.057536	0.092596
2	13	20	0.003261	0.005249	2	13	20	0.057536	0.092596
2	13	21	0.003261	0.005249	2	13	21	0.057536	0.092596
2	13	22	0.003261	0.005249	2	13	22	0.057536	0.092596
2	13	23	0.003261	0.005249	2	13	23	0.057536	0.092596
2	13	24	0.003261	0.005249	2	13	24	0.057536	0.092596
3	1	1	0.027365	0.044039	3	1	1	0.946531	1.523291
3	1	2	0.027365	0.044039	3	1	2	0.946531	1.523291
3	1	3	0.027365	0.044039	3	1	3	0.946531	1.523291
3	1	4	0.027365	0.044039	3	1	4	0.946531	1.523291
3	1	5	0.027365	0.044039	3	1	5	0.946531	1.523291
3	1	6	0.027365	0.044039	3	1	6	0.946531	1.523291
3	1	7	0.027365	0.044039	3	1	7	0.946531	1.523291
3	1	8	0.027365	0.044039	3	1	8	0.946531	1.523291

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	1	9	0.027365	0.044039	3	1	9	0.946531	1.523291
3	1	10	0.027365	0.044039	3	1	10	0.946531	1.523291
3	1	11	0.027365	0.044039	3	1	11	0.946531	1.523291
3	1	12	0.027365	0.044039	3	1	12	0.946531	1.523291
3	1	13	0.027365	0.044039	3	1	13	0.946531	1.523291
3	1	14	0.027365	0.044039	3	1	14	0.946531	1.523291
3	1	15	0.027365	0.044039	3	1	15	0.946531	1.523291
3	1	16	0.027365	0.044039	3	1	16	0.946531	1.523291
3	1	17	0.027365	0.044039	3	1	17	0.946531	1.523291
3	1	18	0.027365	0.044039	3	1	18	0.946531	1.523291
3	1	19	0.027365	0.044039	3	1	19	0.946531	1.523291
3	1	20	0.027365	0.044039	3	1	20	0.946531	1.523291
3	1	21	0.027365	0.044039	3	1	21	0.946531	1.523291
3	1	22	0.027365	0.044039	3	1	22	0.946531	1.523291
3	1	23	0.027365	0.044039	3	1	23	0.946531	1.523291
3	1	24	0.027365	0.044039	3	1	24	0.946531	1.523291
3	7	1	0.006101	0.009818	3	7	1	0.130528	0.210064
3	7	2	0.006101	0.009818	3	7	2	0.130528	0.210064
3	7	3	0.006101	0.009818	3	7	3	0.130528	0.210064
3	7	4	0.006101	0.009818	3	7	4	0.130528	0.210064
3	7	5	0.006101	0.009818	3	7	5	0.130528	0.210064
3	7	6	0.006101	0.009818	3	7	6	0.130528	0.210064
3	7	7	0.006101	0.009818	3	7	7	0.130528	0.210064
3	7	8	0.006101	0.009818	3	7	8	0.130528	0.210064
3	7	9	0.006101	0.009818	3	7	9	0.130528	0.210064
3	7	10	0.006101	0.009818	3	7	10	0.130528	0.210064
3	7	11	0.006101	0.009818	3	7	11	0.130528	0.210064
3	7	12	0.006101	0.009818	3	7	12	0.130528	0.210064
3	7	13	0.006101	0.009818	3	7	13	0.130528	0.210064
3	7	14	0.006101	0.009818	3	7	14	0.130528	0.210064
3	7	15	0.006101	0.009818	3	7	15	0.130528	0.210064
3	7	16	0.006101	0.009818	3	7	16	0.130528	0.210064
3	7	17	0.006101	0.009818	3	7	17	0.130528	0.210064
3	7	18	0.006101	0.009818	3	7	18	0.130528	0.210064
3	7	19	0.006101	0.009818	3	7	19	0.130528	0.210064
3	7	20	0.006101	0.009818	3	7	20	0.130528	0.210064
3	7	21	0.006101	0.009818	3	7	21	0.130528	0.210064
3	7	22	0.006101	0.009818	3	7	22	0.130528	0.210064
3	7	23	0.006101	0.009818	3	7	23	0.130528	0.210064
3	7	24	0.006101	0.009818	3	7	24	0.130528	0.210064
3	8	1	0.004903	0.007891	3	8	1	0.111079	0.178764
3	8	2	0.004903	0.007891	3	8	2	0.111079	0.178764
3	8	3	0.004903	0.007891	3	8	3	0.111079	0.178764
3	8	4	0.004903	0.007891	3	8	4	0.111079	0.178764
3	8	5	0.004903	0.007891	3	8	5	0.111079	0.178764
3	8	6	0.004903	0.007891	3	8	6	0.111079	0.178764
3	8	7	0.004903	0.007891	3	8	7	0.111079	0.178764
3	8	8	0.004903	0.007891	3	8	8	0.111079	0.178764
3	8	9	0.004903	0.007891	3	8	9	0.111079	0.178764
3	8	10	0.004903	0.007891	3	8	10	0.111079	0.178764
3	8	11	0.004903	0.007891	3	8	11	0.111079	0.178764
3	8	12	0.004903	0.007891	3	8	12	0.111079	0.178764
3	8	13	0.004903	0.007891	3	8	13	0.111079	0.178764
3	8	14	0.004903	0.007891	3	8	14	0.111079	0.178764
3	8	15	0.004903	0.007891	3	8	15	0.111079	0.178764
3	8	16	0.004903	0.007891	3	8	16	0.111079	0.178764

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	17	0.004903	0.007891	3	8	17	0.111079	0.178764
3	8	18	0.004903	0.007891	3	8	18	0.111079	0.178764
3	8	19	0.004903	0.007891	3	8	19	0.111079	0.178764
3	8	20	0.004903	0.007891	3	8	20	0.111079	0.178764
3	8	21	0.004903	0.007891	3	8	21	0.111079	0.178764
3	8	22	0.004903	0.007891	3	8	22	0.111079	0.178764
3	8	23	0.004903	0.007891	3	8	23	0.111079	0.178764
3	8	24	0.004903	0.007891	3	8	24	0.111079	0.178764
3	10	1	0.004175	0.006719	3	10	1	0.083688	0.134682
3	10	2	0.004175	0.006719	3	10	2	0.083688	0.134682
3	10	3	0.004175	0.006719	3	10	3	0.083688	0.134682
3	10	4	0.004175	0.006719	3	10	4	0.083688	0.134682
3	10	5	0.004175	0.006719	3	10	5	0.083688	0.134682
3	10	6	0.004175	0.006719	3	10	6	0.083688	0.134682
3	10	7	0.004175	0.006719	3	10	7	0.083688	0.134682
3	10	8	0.004175	0.006719	3	10	8	0.083688	0.134682
3	10	9	0.004175	0.006719	3	10	9	0.083688	0.134682
3	10	10	0.004175	0.006719	3	10	10	0.083688	0.134682
3	10	11	0.004175	0.006719	3	10	11	0.083688	0.134682
3	10	12	0.004175	0.006719	3	10	12	0.083688	0.134682
3	10	13	0.004175	0.006719	3	10	13	0.083688	0.134682
3	10	14	0.004175	0.006719	3	10	14	0.083688	0.134682
3	10	15	0.004175	0.006719	3	10	15	0.083688	0.134682
3	10	16	0.004175	0.006719	3	10	16	0.083688	0.134682
3	10	17	0.004175	0.006719	3	10	17	0.083688	0.134682
3	10	18	0.004175	0.006719	3	10	18	0.083688	0.134682
3	10	19	0.004175	0.006719	3	10	19	0.083688	0.134682
3	10	20	0.004175	0.006719	3	10	20	0.083688	0.134682
3	10	21	0.004175	0.006719	3	10	21	0.083688	0.134682
3	10	22	0.004175	0.006719	3	10	22	0.083688	0.134682
3	10	23	0.004175	0.006719	3	10	23	0.083688	0.134682
3	10	24	0.004175	0.006719	3	10	24	0.083688	0.134682
3	11	1	0.003789	0.006098	3	11	1	0.073236	0.117862
3	11	2	0.003789	0.006098	3	11	2	0.073236	0.117862
3	11	3	0.003789	0.006098	3	11	3	0.073236	0.117862
3	11	4	0.003789	0.006098	3	11	4	0.073236	0.117862
3	11	5	0.003789	0.006098	3	11	5	0.073236	0.117862
3	11	6	0.003789	0.006098	3	11	6	0.073236	0.117862
3	11	7	0.003789	0.006098	3	11	7	0.073236	0.117862
3	11	8	0.003789	0.006098	3	11	8	0.073236	0.117862
3	11	9	0.003789	0.006098	3	11	9	0.073236	0.117862
3	11	10	0.003789	0.006098	3	11	10	0.073236	0.117862
3	11	11	0.003789	0.006098	3	11	11	0.073236	0.117862
3	11	12	0.003789	0.006098	3	11	12	0.073236	0.117862
3	11	13	0.003789	0.006098	3	11	13	0.073236	0.117862
3	11	14	0.003789	0.006098	3	11	14	0.073236	0.117862
3	11	15	0.003789	0.006098	3	11	15	0.073236	0.117862
3	11	16	0.003789	0.006098	3	11	16	0.073236	0.117862
3	11	17	0.003789	0.006098	3	11	17	0.073236	0.117862
3	11	18	0.003789	0.006098	3	11	18	0.073236	0.117862
3	11	19	0.003789	0.006098	3	11	19	0.073236	0.117862
3	11	20	0.003789	0.006098	3	11	20	0.073236	0.117862
3	11	21	0.003789	0.006098	3	11	21	0.073236	0.117862
3	11	22	0.003789	0.006098	3	11	22	0.073236	0.117862
3	11	23	0.003789	0.006098	3	11	23	0.073236	0.117862
3	11	24	0.003789	0.006098	3	11	24	0.073236	0.117862

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	1	0.006576	0.010583	5	6	1	0.154507	0.248654
5	6	2	0.006576	0.010583	5	6	2	0.154508	0.248655
5	6	3	0.006576	0.010583	5	6	3	0.154507	0.248654
5	6	4	0.006576	0.010583	5	6	4	0.154507	0.248654
5	6	5	0.006576	0.010583	5	6	5	0.154507	0.248654
5	6	6	0.006576	0.010583	5	6	6	0.154507	0.248654
5	6	7	0.006576	0.010583	5	6	7	0.154507	0.248654
5	6	8	0.006576	0.010583	5	6	8	0.154507	0.248654
5	6	9	0.006576	0.010583	5	6	9	0.154507	0.248654
5	6	10	0.006576	0.010583	5	6	10	0.154507	0.248654
5	6	11	0.006576	0.010583	5	6	11	0.154507	0.248654
5	6	12	0.006576	0.010583	5	6	12	0.154507	0.248654
5	6	13	0.006576	0.010583	5	6	13	0.154507	0.248654
5	6	14	0.006576	0.010583	5	6	14	0.154507	0.248654
5	6	15	0.006576	0.010583	5	6	15	0.154507	0.248654
5	6	16	0.006576	0.010583	5	6	16	0.154507	0.248654
5	6	17	0.006576	0.010583	5	6	17	0.154507	0.248654
5	6	18	0.006576	0.010583	5	6	18	0.154507	0.248654
5	6	19	0.006576	0.010583	5	6	19	0.154508	0.248655
5	6	20	0.006576	0.010583	5	6	20	0.154507	0.248654
5	6	21	0.006576	0.010583	5	6	21	0.154507	0.248654
5	6	22	0.006576	0.010583	5	6	22	0.154507	0.248654
5	6	23	0.006576	0.010583	5	6	23	0.154507	0.248654
5	6	24	0.006576	0.010583	5	6	24	0.154507	0.248654
5	8	1	0.004903	0.007891	5	8	1	0.111079	0.178764
5	8	2	0.004903	0.007891	5	8	2	0.111079	0.178764
5	8	3	0.004903	0.007891	5	8	3	0.111079	0.178764
5	8	4	0.004903	0.007891	5	8	4	0.111079	0.178764
5	8	5	0.004903	0.007891	5	8	5	0.111079	0.178764
5	8	6	0.004903	0.007891	5	8	6	0.111079	0.178764
5	8	7	0.004903	0.007891	5	8	7	0.111079	0.178764
5	8	8	0.004903	0.007891	5	8	8	0.111079	0.178764
5	8	9	0.004903	0.007891	5	8	9	0.111079	0.178764
5	8	10	0.004903	0.007891	5	8	10	0.111079	0.178764
5	8	11	0.004903	0.007891	5	8	11	0.111079	0.178764
5	8	12	0.004903	0.007891	5	8	12	0.111079	0.178764
5	8	13	0.004903	0.007891	5	8	13	0.111079	0.178764
5	8	14	0.004903	0.007891	5	8	14	0.111079	0.178764
5	8	15	0.004903	0.007891	5	8	15	0.111079	0.178764
5	8	16	0.004903	0.007891	5	8	16	0.111079	0.178764
5	8	17	0.004903	0.007891	5	8	17	0.111079	0.178764
5	8	18	0.004903	0.007891	5	8	18	0.111079	0.178764
5	8	19	0.004903	0.007891	5	8	19	0.111079	0.178764
5	8	20	0.004903	0.007891	5	8	20	0.111079	0.178764
5	8	21	0.004903	0.007891	5	8	21	0.111079	0.178764
5	8	22	0.004903	0.007891	5	8	22	0.111079	0.178764
5	8	23	0.004903	0.007891	5	8	23	0.111079	0.178764
5	8	24	0.004903	0.007891	5	8	24	0.111079	0.178764
5	11	1	0.003789	0.006098	5	11	1	0.073236	0.117862

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	2	0.003789	0.006098	5	11	2	0.073236	0.117862
5	11	3	0.003789	0.006098	5	11	3	0.073236	0.117862
5	11	4	0.003789	0.006098	5	11	4	0.073236	0.117862
5	11	5	0.003789	0.006098	5	11	5	0.073236	0.117862
5	11	6	0.003789	0.006098	5	11	6	0.073236	0.117862
5	11	7	0.003789	0.006098	5	11	7	0.073236	0.117862
5	11	8	0.003789	0.006098	5	11	8	0.073236	0.117862
5	11	9	0.003789	0.006098	5	11	9	0.073236	0.117862
5	11	10	0.003789	0.006098	5	11	10	0.073236	0.117862
5	11	11	0.003789	0.006098	5	11	11	0.073236	0.117862
5	11	12	0.003789	0.006098	5	11	12	0.073236	0.117862
5	11	13	0.003789	0.006098	5	11	13	0.073236	0.117862
5	11	14	0.003789	0.006098	5	11	14	0.073236	0.117862
5	11	15	0.003789	0.006098	5	11	15	0.073236	0.117862
5	11	16	0.003789	0.006098	5	11	16	0.073236	0.117862
5	11	17	0.003789	0.006098	5	11	17	0.073236	0.117862
5	11	18	0.003789	0.006098	5	11	18	0.073236	0.117862
5	11	19	0.003789	0.006098	5	11	19	0.073236	0.117862
5	11	20	0.003789	0.006098	5	11	20	0.073236	0.117862
5	11	21	0.003789	0.006098	5	11	21	0.073236	0.117862
5	11	22	0.003789	0.006098	5	11	22	0.073236	0.117862
5	11	23	0.003789	0.006098	5	11	23	0.073236	0.117862
5	11	24	0.003789	0.006098	5	11	24	0.073236	0.117862
5	7	1	0.006101	0.009818	5	7	1	0.130528	0.210064
5	7	2	0.006101	0.009818	5	7	2	0.130528	0.210064
5	7	3	0.006101	0.009818	5	7	3	0.130528	0.210064
5	7	4	0.006101	0.009818	5	7	4	0.130528	0.210064
5	7	5	0.006101	0.009818	5	7	5	0.130528	0.210064
5	7	6	0.006101	0.009818	5	7	6	0.130528	0.210064
5	7	7	0.006101	0.009818	5	7	7	0.130528	0.210064
5	7	8	0.006101	0.009818	5	7	8	0.130528	0.210064
5	7	9	0.006101	0.009818	5	7	9	0.130528	0.210064
5	7	10	0.006101	0.009818	5	7	10	0.130528	0.210064
5	7	11	0.006101	0.009818	5	7	11	0.130528	0.210064
5	7	12	0.006101	0.009818	5	7	12	0.130528	0.210064
5	7	13	0.006101	0.009818	5	7	13	0.130528	0.210064
5	7	14	0.006101	0.009818	5	7	14	0.130528	0.210064
5	7	15	0.006101	0.009818	5	7	15	0.130528	0.210064
5	7	16	0.006101	0.009818	5	7	16	0.130528	0.210064
5	7	17	0.006101	0.009818	5	7	17	0.130528	0.210064
5	7	18	0.006101	0.009818	5	7	18	0.130528	0.210064
5	7	19	0.006101	0.009818	5	7	19	0.130528	0.210064
5	7	20	0.006101	0.009818	5	7	20	0.130528	0.210064
5	7	21	0.006101	0.009818	5	7	21	0.130528	0.210064
5	7	22	0.006101	0.009818	5	7	22	0.130528	0.210064
5	7	23	0.006101	0.009818	5	7	23	0.130528	0.210064
5	7	24	0.006101	0.009818	5	7	24	0.130528	0.210064

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	1.166957	1.878031	1	0	1	0.013553	0.021812
1	0	2	1.166957	1.878031	1	0	2	0.013553	0.021812
1	0	3	1.166957	1.878031	1	0	3	0.013553	0.021812
1	0	4	1.166957	1.878031	1	0	4	0.013553	0.021812
1	0	5	1.166957	1.878031	1	0	5	0.013553	0.021812
1	0	6	1.166957	1.878031	1	0	6	0.013553	0.021812
1	0	7	1.166957	1.878031	1	0	7	0.013553	0.021812
1	0	8	1.166957	1.878031	1	0	8	0.013553	0.021812
1	0	9	1.166957	1.878031	1	0	9	0.013553	0.021812
1	0	10	1.166957	1.878031	1	0	10	0.013553	0.021812
1	0	11	1.166957	1.878031	1	0	11	0.013553	0.021812
1	0	12	1.166957	1.878031	1	0	12	0.013553	0.021812
1	0	13	1.166957	1.878031	1	0	13	0.013553	0.021812
1	0	14	1.166957	1.878031	1	0	14	0.013553	0.021812
1	0	15	1.166957	1.878031	1	0	15	0.013553	0.021812
1	0	16	1.166957	1.878031	1	0	16	0.013553	0.021812
1	0	17	1.166957	1.878031	1	0	17	0.013553	0.021812
1	0	18	1.166957	1.878031	1	0	18	0.013553	0.021812
1	0	19	1.166957	1.878031	1	0	19	0.013553	0.021812
1	0	20	1.166957	1.878031	1	0	20	0.013553	0.021812
1	0	21	1.166957	1.878031	1	0	21	0.013553	0.021812
1	0	22	1.166957	1.878031	1	0	22	0.013553	0.021812
1	0	23	1.166957	1.878031	1	0	23	0.013553	0.021812
1	0	24	1.166957	1.878031	1	0	24	0.013553	0.021812
2	1	1	0.732839	1.179386	2	1	1	0.009859	0.015866
2	1	2	0.732839	1.179386	2	1	2	0.009859	0.015866
2	1	3	0.732839	1.179386	2	1	3	0.009859	0.015866
2	1	4	0.732839	1.179386	2	1	4	0.009859	0.015866
2	1	5	0.732839	1.179386	2	1	5	0.009859	0.015866
2	1	6	0.732839	1.179386	2	1	6	0.009859	0.015866
2	1	7	0.732839	1.179386	2	1	7	0.009859	0.015866
2	1	8	0.732839	1.179386	2	1	8	0.009859	0.015866
2	1	9	0.732839	1.179386	2	1	9	0.009859	0.015866
2	1	10	0.732839	1.179386	2	1	10	0.009859	0.015866
2	1	11	0.732839	1.179386	2	1	11	0.009859	0.015866
2	1	12	0.732839	1.179386	2	1	12	0.009859	0.015866
2	1	13	0.732839	1.179386	2	1	13	0.009859	0.015866
2	1	14	0.732839	1.179386	2	1	14	0.009859	0.015866
2	1	15	0.732839	1.179386	2	1	15	0.009859	0.015866
2	1	16	0.732839	1.179386	2	1	16	0.009859	0.015866
2	1	17	0.732839	1.179386	2	1	17	0.009859	0.015866
2	1	18	0.732839	1.179386	2	1	18	0.009859	0.015866
2	1	19	0.732839	1.179386	2	1	19	0.009859	0.015866
2	1	20	0.732839	1.179386	2	1	20	0.009859	0.015866
2	1	21	0.732839	1.179386	2	1	21	0.009859	0.015866
2	1	22	0.732839	1.179386	2	1	22	0.009859	0.015866
2	1	23	0.732839	1.179386	2	1	23	0.009859	0.015866
2	1	24	0.732839	1.179386	2	1	24	0.009859	0.015866
2	5	1	0.13688	0.220287	2	5	1	0.001974	0.003176
2	5	2	0.13688	0.220287	2	5	2	0.001974	0.003176
2	5	3	0.13688	0.220287	2	5	3	0.001974	0.003176
2	5	4	0.13688	0.220287	2	5	4	0.001974	0.003176
2	5	5	0.13688	0.220287	2	5	5	0.001974	0.003176
2	5	6	0.13688	0.220287	2	5	6	0.001974	0.003176
2	5	7	0.13688	0.220287	2	5	7	0.001974	0.003176
2	5	8	0.13688	0.220287	2	5	8	0.001974	0.003176

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	9	0.13688	0.220287	2	5	9	0.001974	0.003176
2	5	10	0.13688	0.220287	2	5	10	0.001974	0.003176
2	5	11	0.13688	0.220287	2	5	11	0.001974	0.003176
2	5	12	0.13688	0.220287	2	5	12	0.001974	0.003176
2	5	13	0.13688	0.220287	2	5	13	0.001974	0.003176
2	5	14	0.13688	0.220287	2	5	14	0.001974	0.003176
2	5	15	0.13688	0.220287	2	5	15	0.001974	0.003176
2	5	16	0.13688	0.220287	2	5	16	0.001974	0.003176
2	5	17	0.13688	0.220287	2	5	17	0.001974	0.003176
2	5	18	0.13688	0.220287	2	5	18	0.001974	0.003176
2	5	19	0.13688	0.220287	2	5	19	0.001974	0.003176
2	5	20	0.13688	0.220287	2	5	20	0.001974	0.003176
2	5	21	0.13688	0.220287	2	5	21	0.001974	0.003176
2	5	22	0.13688	0.220287	2	5	22	0.001974	0.003176
2	5	23	0.13688	0.220287	2	5	23	0.001974	0.003176
2	5	24	0.13688	0.220287	2	5	24	0.001974	0.003176
2	6	1	0.112918	0.181723	2	6	1	0.001728	0.002781
2	6	2	0.112918	0.181723	2	6	2	0.001728	0.002781
2	6	3	0.112918	0.181723	2	6	3	0.001728	0.002781
2	6	4	0.112918	0.181723	2	6	4	0.001728	0.002781
2	6	5	0.112918	0.181723	2	6	5	0.001728	0.002781
2	6	6	0.112918	0.181723	2	6	6	0.001728	0.002781
2	6	7	0.112918	0.181723	2	6	7	0.001728	0.002781
2	6	8	0.112918	0.181723	2	6	8	0.001728	0.002781
2	6	9	0.112918	0.181723	2	6	9	0.001728	0.002781
2	6	10	0.112918	0.181723	2	6	10	0.001728	0.002781
2	6	11	0.112918	0.181723	2	6	11	0.001728	0.002781
2	6	12	0.112918	0.181723	2	6	12	0.001728	0.002781
2	6	13	0.112918	0.181723	2	6	13	0.001728	0.002781
2	6	14	0.112918	0.181723	2	6	14	0.001728	0.002781
2	6	15	0.112918	0.181723	2	6	15	0.001728	0.002781
2	6	16	0.112918	0.181723	2	6	16	0.001728	0.002781
2	6	17	0.112918	0.181723	2	6	17	0.001728	0.002781
2	6	18	0.112918	0.181723	2	6	18	0.001728	0.002781
2	6	19	0.112918	0.181723	2	6	19	0.001728	0.002781
2	6	20	0.112918	0.181723	2	6	20	0.001728	0.002781
2	6	21	0.112918	0.181723	2	6	21	0.001728	0.002781
2	6	22	0.112918	0.181723	2	6	22	0.001728	0.002781
2	6	23	0.112918	0.181723	2	6	23	0.001728	0.002781
2	6	24	0.112918	0.181723	2	6	24	0.001728	0.002781
2	7	1	0.094774	0.152524	2	7	1	0.001556	0.002504
2	7	2	0.094774	0.152524	2	7	2	0.001556	0.002504
2	7	3	0.094774	0.152524	2	7	3	0.001556	0.002504
2	7	4	0.094774	0.152524	2	7	4	0.001556	0.002504
2	7	5	0.094774	0.152524	2	7	5	0.001556	0.002504
2	7	6	0.094774	0.152524	2	7	6	0.001556	0.002504
2	7	7	0.094774	0.152524	2	7	7	0.001556	0.002504
2	7	8	0.094774	0.152524	2	7	8	0.001556	0.002504
2	7	9	0.094774	0.152524	2	7	9	0.001556	0.002504
2	7	10	0.094774	0.152524	2	7	10	0.001556	0.002504
2	7	11	0.094774	0.152524	2	7	11	0.001556	0.002504
2	7	12	0.094774	0.152524	2	7	12	0.001556	0.002504
2	7	13	0.094774	0.152524	2	7	13	0.001556	0.002504
2	7	14	0.094774	0.152524	2	7	14	0.001556	0.002504
2	7	15	0.094774	0.152524	2	7	15	0.001556	0.002504
2	7	16	0.094774	0.152524	2	7	16	0.001556	0.002504

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	17	0.094774	0.152524	2	7	17	0.001556	0.002504
2	7	18	0.094774	0.152524	2	7	18	0.001556	0.002504
2	7	19	0.094774	0.152524	2	7	19	0.001556	0.002504
2	7	20	0.094774	0.152524	2	7	20	0.001556	0.002504
2	7	21	0.094774	0.152524	2	7	21	0.001556	0.002504
2	7	22	0.094774	0.152524	2	7	22	0.001556	0.002504
2	7	23	0.094774	0.152524	2	7	23	0.001556	0.002504
2	7	24	0.094774	0.152524	2	7	24	0.001556	0.002504
2	8	1	0.081791	0.13163	2	8	1	0.001304	0.002099
2	8	2	0.081791	0.13163	2	8	2	0.001304	0.002099
2	8	3	0.081791	0.13163	2	8	3	0.001304	0.002099
2	8	4	0.081791	0.13163	2	8	4	0.001304	0.002099
2	8	5	0.081791	0.13163	2	8	5	0.001304	0.002099
2	8	6	0.081791	0.13163	2	8	6	0.001304	0.002099
2	8	7	0.081791	0.13163	2	8	7	0.001304	0.002099
2	8	8	0.081791	0.13163	2	8	8	0.001304	0.002099
2	8	9	0.081791	0.13163	2	8	9	0.001304	0.002099
2	8	10	0.081791	0.13163	2	8	10	0.001304	0.002099
2	8	11	0.081791	0.13163	2	8	11	0.001304	0.002099
2	8	12	0.081791	0.13163	2	8	12	0.001304	0.002099
2	8	13	0.081791	0.13163	2	8	13	0.001304	0.002099
2	8	14	0.081791	0.13163	2	8	14	0.001304	0.002099
2	8	15	0.081791	0.13163	2	8	15	0.001304	0.002099
2	8	16	0.081791	0.13163	2	8	16	0.001304	0.002099
2	8	17	0.081791	0.13163	2	8	17	0.001304	0.002099
2	8	18	0.081791	0.13163	2	8	18	0.001304	0.002099
2	8	19	0.081791	0.13163	2	8	19	0.001304	0.002099
2	8	20	0.081791	0.13163	2	8	20	0.001304	0.002099
2	8	21	0.081791	0.13163	2	8	21	0.001304	0.002099
2	8	22	0.081791	0.13163	2	8	22	0.001304	0.002099
2	8	23	0.081791	0.13163	2	8	23	0.001304	0.002099
2	8	24	0.081791	0.13163	2	8	24	0.001304	0.002099
2	10	1	0.061055	0.098259	2	10	1	0.001094	0.00176
2	10	2	0.061055	0.098259	2	10	2	0.001094	0.00176
2	10	3	0.061055	0.098259	2	10	3	0.001094	0.00176
2	10	4	0.061055	0.098259	2	10	4	0.001094	0.00176
2	10	5	0.061055	0.098259	2	10	5	0.001094	0.00176
2	10	6	0.061055	0.098259	2	10	6	0.001094	0.00176
2	10	7	0.061055	0.098259	2	10	7	0.001094	0.00176
2	10	8	0.061055	0.098259	2	10	8	0.001094	0.00176
2	10	9	0.061055	0.098259	2	10	9	0.001094	0.00176
2	10	10	0.061055	0.098259	2	10	10	0.001094	0.00176
2	10	11	0.061055	0.098259	2	10	11	0.001094	0.00176
2	10	12	0.061055	0.098259	2	10	12	0.001094	0.00176
2	10	13	0.061055	0.098259	2	10	13	0.001094	0.00176
2	10	14	0.061055	0.098259	2	10	14	0.001094	0.00176
2	10	15	0.061055	0.098259	2	10	15	0.001094	0.00176
2	10	16	0.061055	0.098259	2	10	16	0.001094	0.00176
2	10	17	0.061055	0.098259	2	10	17	0.001094	0.00176
2	10	18	0.061055	0.098259	2	10	18	0.001094	0.00176
2	10	19	0.061055	0.098259	2	10	19	0.001094	0.00176
2	10	20	0.061055	0.098259	2	10	20	0.001094	0.00176
2	10	21	0.061055	0.098259	2	10	21	0.001094	0.00176
2	10	22	0.061055	0.098259	2	10	22	0.001094	0.00176
2	10	23	0.061055	0.098259	2	10	23	0.001094	0.00176
2	10	24	0.061055	0.098259	2	10	24	0.001094	0.00176

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	11	1	0.052895	0.085125	2	11	1	0.000999	0.001608
2	11	2	0.052895	0.085125	2	11	2	0.000999	0.001608
2	11	3	0.052895	0.085125	2	11	3	0.000999	0.001608
2	11	4	0.052895	0.085125	2	11	4	0.000999	0.001608
2	11	5	0.052895	0.085125	2	11	5	0.000999	0.001608
2	11	6	0.052895	0.085125	2	11	6	0.000999	0.001608
2	11	7	0.052895	0.085125	2	11	7	0.000999	0.001608
2	11	8	0.052895	0.085125	2	11	8	0.000999	0.001608
2	11	9	0.052895	0.085125	2	11	9	0.000999	0.001608
2	11	10	0.052895	0.085125	2	11	10	0.000999	0.001608
2	11	11	0.052895	0.085125	2	11	11	0.000999	0.001608
2	11	12	0.052895	0.085125	2	11	12	0.000999	0.001608
2	11	13	0.052895	0.085125	2	11	13	0.000999	0.001608
2	11	14	0.052895	0.085125	2	11	14	0.000999	0.001608
2	11	15	0.052895	0.085125	2	11	15	0.000999	0.001608
2	11	16	0.052895	0.085125	2	11	16	0.000999	0.001608
2	11	17	0.052895	0.085125	2	11	17	0.000999	0.001608
2	11	18	0.052895	0.085125	2	11	18	0.000999	0.001608
2	11	19	0.052895	0.085125	2	11	19	0.000999	0.001608
2	11	20	0.052895	0.085125	2	11	20	0.000999	0.001608
2	11	21	0.052895	0.085125	2	11	21	0.000999	0.001608
2	11	22	0.052895	0.085125	2	11	22	0.000999	0.001608
2	11	23	0.052895	0.085125	2	11	23	0.000999	0.001608
2	11	24	0.052895	0.085125	2	11	24	0.000999	0.001608
2	13	1	0.040763	0.065601	2	13	1	0.000862	0.001387
2	13	2	0.040763	0.065601	2	13	2	0.000862	0.001387
2	13	3	0.040763	0.065601	2	13	3	0.000862	0.001387
2	13	4	0.040763	0.065601	2	13	4	0.000862	0.001387
2	13	5	0.040763	0.065601	2	13	5	0.000862	0.001387
2	13	6	0.040763	0.065601	2	13	6	0.000862	0.001387
2	13	7	0.040763	0.065601	2	13	7	0.000862	0.001387
2	13	8	0.040763	0.065601	2	13	8	0.000862	0.001387
2	13	9	0.040763	0.065601	2	13	9	0.000862	0.001387
2	13	10	0.040763	0.065601	2	13	10	0.000862	0.001387
2	13	11	0.040763	0.065601	2	13	11	0.000862	0.001387
2	13	12	0.040763	0.065601	2	13	12	0.000862	0.001387
2	13	13	0.040763	0.065601	2	13	13	0.000862	0.001387
2	13	14	0.040763	0.065601	2	13	14	0.000862	0.001387
2	13	15	0.040763	0.065601	2	13	15	0.000862	0.001387
2	13	16	0.040763	0.065601	2	13	16	0.000862	0.001387
2	13	17	0.040763	0.065601	2	13	17	0.000862	0.001387
2	13	18	0.040763	0.065601	2	13	18	0.000862	0.001387
2	13	19	0.040763	0.065601	2	13	19	0.000862	0.001387
2	13	20	0.040763	0.065601	2	13	20	0.000862	0.001387
2	13	21	0.040763	0.065601	2	13	21	0.000862	0.001387
2	13	22	0.040763	0.065601	2	13	22	0.000862	0.001387
2	13	23	0.040763	0.065601	2	13	23	0.000862	0.001387
2	13	24	0.040763	0.065601	2	13	24	0.000862	0.001387
3	1	1	0.723867	1.164948	3	1	1	0.009549	0.015367
3	1	2	0.723867	1.164948	3	1	2	0.009549	0.015367
3	1	3	0.723867	1.164948	3	1	3	0.009549	0.015367
3	1	4	0.723867	1.164948	3	1	4	0.009549	0.015367
3	1	5	0.723867	1.164948	3	1	5	0.009549	0.015367
3	1	6	0.723867	1.164948	3	1	6	0.009549	0.015367
3	1	7	0.723867	1.164948	3	1	7	0.009549	0.015367
3	1	8	0.723867	1.164948	3	1	8	0.009549	0.015367

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	1	9	0.723867	1.164948	3	1	9	0.009549	0.015367
3	1	10	0.723867	1.164948	3	1	10	0.009549	0.015367
3	1	11	0.723867	1.164948	3	1	11	0.009549	0.015367
3	1	12	0.723867	1.164948	3	1	12	0.009549	0.015367
3	1	13	0.723867	1.164948	3	1	13	0.009549	0.015367
3	1	14	0.723867	1.164948	3	1	14	0.009549	0.015367
3	1	15	0.723867	1.164948	3	1	15	0.009549	0.015367
3	1	16	0.723867	1.164948	3	1	16	0.009549	0.015367
3	1	17	0.723867	1.164948	3	1	17	0.009549	0.015367
3	1	18	0.723867	1.164948	3	1	18	0.009549	0.015367
3	1	19	0.723867	1.164948	3	1	19	0.009549	0.015367
3	1	20	0.723867	1.164948	3	1	20	0.009549	0.015367
3	1	21	0.723867	1.164948	3	1	21	0.009549	0.015367
3	1	22	0.723867	1.164948	3	1	22	0.009549	0.015367
3	1	23	0.723867	1.164948	3	1	23	0.009549	0.015367
3	1	24	0.723867	1.164948	3	1	24	0.009549	0.015367
3	7	1	0.093851	0.151039	3	7	1	0.001538	0.002476
3	7	2	0.093851	0.151039	3	7	2	0.001538	0.002476
3	7	3	0.093851	0.151039	3	7	3	0.001538	0.002476
3	7	4	0.093851	0.151039	3	7	4	0.001538	0.002476
3	7	5	0.093851	0.151039	3	7	5	0.001538	0.002476
3	7	6	0.093851	0.151039	3	7	6	0.001538	0.002476
3	7	7	0.093851	0.151039	3	7	7	0.001538	0.002476
3	7	8	0.093851	0.151039	3	7	8	0.001538	0.002476
3	7	9	0.093851	0.151039	3	7	9	0.001538	0.002476
3	7	10	0.093851	0.151039	3	7	10	0.001538	0.002476
3	7	11	0.093851	0.151039	3	7	11	0.001538	0.002476
3	7	12	0.093851	0.151039	3	7	12	0.001538	0.002476
3	7	13	0.093851	0.151039	3	7	13	0.001538	0.002476
3	7	14	0.093851	0.151039	3	7	14	0.001538	0.002476
3	7	15	0.093851	0.151039	3	7	15	0.001538	0.002476
3	7	16	0.093851	0.151039	3	7	16	0.001538	0.002476
3	7	17	0.093851	0.151039	3	7	17	0.001538	0.002476
3	7	18	0.093851	0.151039	3	7	18	0.001538	0.002476
3	7	19	0.093851	0.151039	3	7	19	0.001538	0.002476
3	7	20	0.093851	0.151039	3	7	20	0.001538	0.002476
3	7	21	0.093851	0.151039	3	7	21	0.001538	0.002476
3	7	22	0.093851	0.151039	3	7	22	0.001538	0.002476
3	7	23	0.093851	0.151039	3	7	23	0.001538	0.002476
3	7	24	0.093851	0.151039	3	7	24	0.001538	0.002476
3	8	1	0.080855	0.130123	3	8	1	0.001291	0.002078
3	8	2	0.080855	0.130123	3	8	2	0.001291	0.002078
3	8	3	0.080855	0.130123	3	8	3	0.001291	0.002078
3	8	4	0.080855	0.130123	3	8	4	0.001291	0.002078
3	8	5	0.080855	0.130123	3	8	5	0.001291	0.002078
3	8	6	0.080855	0.130123	3	8	6	0.001291	0.002078
3	8	7	0.080855	0.130123	3	8	7	0.001291	0.002078
3	8	8	0.080855	0.130123	3	8	8	0.001291	0.002078
3	8	9	0.080855	0.130123	3	8	9	0.001291	0.002078
3	8	10	0.080855	0.130123	3	8	10	0.001291	0.002078
3	8	11	0.080855	0.130123	3	8	11	0.001291	0.002078
3	8	12	0.080855	0.130123	3	8	12	0.001291	0.002078
3	8	13	0.080855	0.130123	3	8	13	0.001291	0.002078
3	8	14	0.080855	0.130123	3	8	14	0.001291	0.002078
3	8	15	0.080855	0.130123	3	8	15	0.001291	0.002078
3	8	16	0.080855	0.130123	3	8	16	0.001291	0.002078

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	17	0.080855	0.130123	3	8	17	0.001291	0.002078
3	8	18	0.080855	0.130123	3	8	18	0.001291	0.002078
3	8	19	0.080855	0.130123	3	8	19	0.001291	0.002078
3	8	20	0.080855	0.130123	3	8	20	0.001291	0.002078
3	8	21	0.080855	0.130123	3	8	21	0.001291	0.002078
3	8	22	0.080855	0.130123	3	8	22	0.001291	0.002078
3	8	23	0.080855	0.130123	3	8	23	0.001291	0.002078
3	8	24	0.080855	0.130123	3	8	24	0.001291	0.002078
3	10	1	0.060438	0.097265	3	10	1	0.001088	0.00175
3	10	2	0.060438	0.097265	3	10	2	0.001088	0.00175
3	10	3	0.060438	0.097265	3	10	3	0.001088	0.00175
3	10	4	0.060438	0.097265	3	10	4	0.001088	0.00175
3	10	5	0.060438	0.097265	3	10	5	0.001088	0.00175
3	10	6	0.060438	0.097265	3	10	6	0.001088	0.00175
3	10	7	0.060438	0.097265	3	10	7	0.001088	0.00175
3	10	8	0.060438	0.097265	3	10	8	0.001088	0.00175
3	10	9	0.060438	0.097265	3	10	9	0.001088	0.00175
3	10	10	0.060438	0.097265	3	10	10	0.001088	0.00175
3	10	11	0.060438	0.097265	3	10	11	0.001088	0.00175
3	10	12	0.060438	0.097265	3	10	12	0.001088	0.00175
3	10	13	0.060438	0.097265	3	10	13	0.001088	0.00175
3	10	14	0.060438	0.097265	3	10	14	0.001088	0.00175
3	10	15	0.060438	0.097265	3	10	15	0.001088	0.00175
3	10	16	0.060438	0.097265	3	10	16	0.001088	0.00175
3	10	17	0.060438	0.097265	3	10	17	0.001088	0.00175
3	10	18	0.060438	0.097265	3	10	18	0.001088	0.00175
3	10	19	0.060438	0.097265	3	10	19	0.001088	0.00175
3	10	20	0.060438	0.097265	3	10	20	0.001088	0.00175
3	10	21	0.060438	0.097265	3	10	21	0.001088	0.00175
3	10	22	0.060438	0.097265	3	10	22	0.001088	0.00175
3	10	23	0.060438	0.097265	3	10	23	0.001088	0.00175
3	10	24	0.060438	0.097265	3	10	24	0.001088	0.00175
3	11	1	0.052606	0.084661	3	11	1	0.000996	0.001603
3	11	2	0.052606	0.084661	3	11	2	0.000996	0.001603
3	11	3	0.052606	0.084661	3	11	3	0.000996	0.001603
3	11	4	0.052606	0.084661	3	11	4	0.000996	0.001603
3	11	5	0.052606	0.084661	3	11	5	0.000996	0.001603
3	11	6	0.052606	0.084661	3	11	6	0.000996	0.001603
3	11	7	0.052606	0.084661	3	11	7	0.000996	0.001603
3	11	8	0.052606	0.084661	3	11	8	0.000996	0.001603
3	11	9	0.052606	0.084661	3	11	9	0.000996	0.001603
3	11	10	0.052606	0.084661	3	11	10	0.000996	0.001603
3	11	11	0.052606	0.084661	3	11	11	0.000996	0.001603
3	11	12	0.052606	0.084661	3	11	12	0.000996	0.001603
3	11	13	0.052606	0.084661	3	11	13	0.000996	0.001603
3	11	14	0.052606	0.084661	3	11	14	0.000996	0.001603
3	11	15	0.052606	0.084661	3	11	15	0.000996	0.001603
3	11	16	0.052606	0.084661	3	11	16	0.000996	0.001603
3	11	17	0.052606	0.084661	3	11	17	0.000996	0.001603
3	11	18	0.052606	0.084661	3	11	18	0.000996	0.001603
3	11	19	0.052606	0.084661	3	11	19	0.000996	0.001603
3	11	20	0.052606	0.084661	3	11	20	0.000996	0.001603
3	11	21	0.052606	0.084661	3	11	21	0.000996	0.001603
3	11	22	0.052606	0.084661	3	11	22	0.000996	0.001603
3	11	23	0.052606	0.084661	3	11	23	0.000996	0.001603
3	11	24	0.052606	0.084661	3	11	24	0.000996	0.001603

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	1	0.112539	0.181114	5	6	1	0.001711	0.002754
5	6	2	0.112539	0.181114	5	6	2	0.001711	0.002754
5	6	3	0.112539	0.181114	5	6	3	0.001711	0.002754
5	6	4	0.112539	0.181114	5	6	4	0.001711	0.002754
5	6	5	0.112539	0.181114	5	6	5	0.001711	0.002754
5	6	6	0.112539	0.181114	5	6	6	0.001711	0.002754
5	6	7	0.112539	0.181114	5	6	7	0.001711	0.002754
5	6	8	0.112539	0.181114	5	6	8	0.001711	0.002754
5	6	9	0.112539	0.181114	5	6	9	0.001711	0.002754
5	6	10	0.112539	0.181114	5	6	10	0.001711	0.002754
5	6	11	0.112539	0.181114	5	6	11	0.001711	0.002754
5	6	12	0.112539	0.181114	5	6	12	0.001711	0.002754
5	6	13	0.112539	0.181114	5	6	13	0.001711	0.002754
5	6	14	0.112539	0.181114	5	6	14	0.001711	0.002754
5	6	15	0.112539	0.181114	5	6	15	0.001711	0.002754
5	6	16	0.112539	0.181114	5	6	16	0.001711	0.002754
5	6	17	0.112539	0.181114	5	6	17	0.001711	0.002754
5	6	18	0.112539	0.181114	5	6	18	0.001711	0.002754
5	6	19	0.112539	0.181114	5	6	19	0.001711	0.002754
5	6	20	0.112539	0.181114	5	6	20	0.001711	0.002754
5	6	21	0.112539	0.181114	5	6	21	0.001711	0.002754
5	6	22	0.112539	0.181114	5	6	22	0.001711	0.002754
5	6	23	0.112539	0.181114	5	6	23	0.001711	0.002754
5	6	24	0.112539	0.181114	5	6	24	0.001711	0.002754
5	8	1	0.080855	0.130123	5	8	1	0.001291	0.002078
5	8	2	0.080855	0.130123	5	8	2	0.001291	0.002078
5	8	3	0.080855	0.130123	5	8	3	0.001291	0.002078
5	8	4	0.080855	0.130123	5	8	4	0.001291	0.002078
5	8	5	0.080855	0.130123	5	8	5	0.001291	0.002078
5	8	6	0.080855	0.130123	5	8	6	0.001291	0.002078
5	8	7	0.080855	0.130123	5	8	7	0.001291	0.002078
5	8	8	0.080855	0.130123	5	8	8	0.001291	0.002078
5	8	9	0.080855	0.130123	5	8	9	0.001291	0.002078
5	8	10	0.080855	0.130123	5	8	10	0.001291	0.002078
5	8	11	0.080855	0.130123	5	8	11	0.001291	0.002078
5	8	12	0.080855	0.130123	5	8	12	0.001291	0.002078
5	8	13	0.080855	0.130123	5	8	13	0.001291	0.002078
5	8	14	0.080855	0.130123	5	8	14	0.001291	0.002078
5	8	15	0.080855	0.130123	5	8	15	0.001291	0.002078
5	8	16	0.080855	0.130123	5	8	16	0.001291	0.002078
5	8	17	0.080855	0.130123	5	8	17	0.001291	0.002078
5	8	18	0.080855	0.130123	5	8	18	0.001291	0.002078
5	8	19	0.080855	0.130123	5	8	19	0.001291	0.002078
5	8	20	0.080855	0.130123	5	8	20	0.001291	0.002078
5	8	21	0.080855	0.130123	5	8	21	0.001291	0.002078
5	8	22	0.080855	0.130123	5	8	22	0.001291	0.002078
5	8	23	0.080855	0.130123	5	8	23	0.001291	0.002078
5	8	24	0.080855	0.130123	5	8	24	0.001291	0.002078
5	11	1	0.052606	0.084661	5	11	1	0.000996	0.001603

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	2	0.052606	0.084661	5	11	2	0.000996	0.001603
5	11	3	0.052606	0.084661	5	11	3	0.000996	0.001603
5	11	4	0.052606	0.084661	5	11	4	0.000996	0.001603
5	11	5	0.052606	0.084661	5	11	5	0.000996	0.001603
5	11	6	0.052606	0.084661	5	11	6	0.000996	0.001603
5	11	7	0.052606	0.084661	5	11	7	0.000996	0.001603
5	11	8	0.052606	0.084661	5	11	8	0.000996	0.001603
5	11	9	0.052606	0.084661	5	11	9	0.000996	0.001603
5	11	10	0.052606	0.084661	5	11	10	0.000996	0.001603
5	11	11	0.052606	0.084661	5	11	11	0.000996	0.001603
5	11	12	0.052606	0.084661	5	11	12	0.000996	0.001603
5	11	13	0.052606	0.084661	5	11	13	0.000996	0.001603
5	11	14	0.052606	0.084661	5	11	14	0.000996	0.001603
5	11	15	0.052606	0.084661	5	11	15	0.000996	0.001603
5	11	16	0.052606	0.084661	5	11	16	0.000996	0.001603
5	11	17	0.052606	0.084661	5	11	17	0.000996	0.001603
5	11	18	0.052606	0.084661	5	11	18	0.000996	0.001603
5	11	19	0.052606	0.084661	5	11	19	0.000996	0.001603
5	11	20	0.052606	0.084661	5	11	20	0.000996	0.001603
5	11	21	0.052606	0.084661	5	11	21	0.000996	0.001603
5	11	22	0.052606	0.084661	5	11	22	0.000996	0.001603
5	11	23	0.052606	0.084661	5	11	23	0.000996	0.001603
5	11	24	0.052606	0.084661	5	11	24	0.000996	0.001603
5	7	1	0.093851	0.151039	5	7	1	0.001538	0.002476
5	7	2	0.093851	0.151039	5	7	2	0.001538	0.002476
5	7	3	0.093851	0.151039	5	7	3	0.001538	0.002476
5	7	4	0.093851	0.151039	5	7	4	0.001538	0.002476
5	7	5	0.093851	0.151039	5	7	5	0.001538	0.002476
5	7	6	0.093851	0.151039	5	7	6	0.001538	0.002476
5	7	7	0.093851	0.151039	5	7	7	0.001538	0.002476
5	7	8	0.093851	0.151039	5	7	8	0.001538	0.002476
5	7	9	0.093851	0.151039	5	7	9	0.001538	0.002476
5	7	10	0.093851	0.151039	5	7	10	0.001538	0.002476
5	7	11	0.093851	0.151039	5	7	11	0.001538	0.002476
5	7	12	0.093851	0.151039	5	7	12	0.001538	0.002476
5	7	13	0.093851	0.151039	5	7	13	0.001538	0.002476
5	7	14	0.093851	0.151039	5	7	14	0.001538	0.002476
5	7	15	0.093851	0.151039	5	7	15	0.001538	0.002476
5	7	16	0.093851	0.151039	5	7	16	0.001538	0.002476
5	7	17	0.093851	0.151039	5	7	17	0.001538	0.002476
5	7	18	0.093851	0.151039	5	7	18	0.001538	0.002476
5	7	19	0.093851	0.151039	5	7	19	0.001538	0.002476
5	7	20	0.093851	0.151039	5	7	20	0.001538	0.002476
5	7	21	0.093851	0.151039	5	7	21	0.001538	0.002476
5	7	22	0.093851	0.151039	5	7	22	0.001538	0.002476
5	7	23	0.093851	0.151039	5	7	23	0.001538	0.002476
5	7	24	0.093851	0.151039	5	7	24	0.001538	0.002476

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	0.081716694	0.13151	1	0	1	7.2253E-05	0.000116
1	0	2	0.081716694	0.13151	1	0	2	7.2253E-05	0.000116
1	0	3	0.081716694	0.13151	1	0	3	7.2253E-05	0.000116
1	0	4	0.081716694	0.13151	1	0	4	7.2253E-05	0.000116
1	0	5	0.081716694	0.13151	1	0	5	7.2253E-05	0.000116
1	0	6	0.081716694	0.13151	1	0	6	7.2253E-05	0.000116
1	0	7	0.081716694	0.13151	1	0	7	7.2253E-05	0.000116
1	0	8	0.081716694	0.13151	1	0	8	7.2253E-05	0.000116
1	0	9	0.081716694	0.13151	1	0	9	7.2253E-05	0.000116
1	0	10	0.081716694	0.13151	1	0	10	7.2253E-05	0.000116
1	0	11	0.081716694	0.13151	1	0	11	7.2253E-05	0.000116
1	0	12	0.081716694	0.13151	1	0	12	7.2253E-05	0.000116
1	0	13	0.081716694	0.13151	1	0	13	7.2253E-05	0.000116
1	0	14	0.081716694	0.13151	1	0	14	7.2253E-05	0.000116
1	0	15	0.081716694	0.13151	1	0	15	7.2253E-05	0.000116
1	0	16	0.081716694	0.13151	1	0	16	7.2253E-05	0.000116
1	0	17	0.081716694	0.13151	1	0	17	7.2253E-05	0.000116
1	0	18	0.081716694	0.13151	1	0	18	7.2253E-05	0.000116
1	0	19	0.081716694	0.13151	1	0	19	7.2253E-05	0.000116
1	0	20	0.081716694	0.13151	1	0	20	7.2253E-05	0.000116
1	0	21	0.081716694	0.13151	1	0	21	7.2253E-05	0.000116
1	0	22	0.081716694	0.13151	1	0	22	7.2253E-05	0.000116
1	0	23	0.081716694	0.13151	1	0	23	7.2253E-05	0.000116
1	0	24	0.081716694	0.13151	1	0	24	7.2253E-05	0.000116
2	1	1	0.058734954	0.094525	2	1	1	6.53167E-05	0.000105
2	1	2	0.058734954	0.094525	2	1	2	6.53167E-05	0.000105
2	1	3	0.058734954	0.094525	2	1	3	6.53167E-05	0.000105
2	1	4	0.058734962	0.094525	2	1	4	6.53167E-05	0.000105
2	1	5	0.058734954	0.094525	2	1	5	6.53167E-05	0.000105
2	1	6	0.058734954	0.094525	2	1	6	6.53167E-05	0.000105
2	1	7	0.058734954	0.094525	2	1	7	6.53167E-05	0.000105
2	1	8	0.058734954	0.094525	2	1	8	6.53167E-05	0.000105
2	1	9	0.058734954	0.094525	2	1	9	6.53167E-05	0.000105
2	1	10	0.058734954	0.094525	2	1	10	6.53167E-05	0.000105
2	1	11	0.058734954	0.094525	2	1	11	6.53167E-05	0.000105
2	1	12	0.058734954	0.094525	2	1	12	6.53167E-05	0.000105
2	1	13	0.058734954	0.094525	2	1	13	6.53167E-05	0.000105
2	1	14	0.058734954	0.094525	2	1	14	6.53167E-05	0.000105
2	1	15	0.058734954	0.094525	2	1	15	6.53167E-05	0.000105
2	1	16	0.058734954	0.094525	2	1	16	6.53167E-05	0.000105
2	1	17	0.058734954	0.094525	2	1	17	6.53167E-05	0.000105
2	1	18	0.058734954	0.094525	2	1	18	6.53167E-05	0.000105
2	1	19	0.058734954	0.094525	2	1	19	6.53167E-05	0.000105
2	1	20	0.058734954	0.094525	2	1	20	6.53167E-05	0.000105
2	1	21	0.058734954	0.094525	2	1	21	6.53167E-05	0.000105
2	1	22	0.058734954	0.094525	2	1	22	6.53167E-05	0.000105
2	1	23	0.058734954	0.094525	2	1	23	6.53167E-05	0.000105
2	1	24	0.058734954	0.094525	2	1	24	6.53167E-05	0.000105
2	5	1	0.016275788	0.026193	2	5	1	2.06428E-05	3.32E-05
2	5	2	0.016275788	0.026193	2	5	2	2.06428E-05	3.32E-05
2	5	3	0.016275788	0.026193	2	5	3	2.06428E-05	3.32E-05
2	5	4	0.016275788	0.026193	2	5	4	2.06428E-05	3.32E-05
2	5	5	0.016275788	0.026193	2	5	5	2.06428E-05	3.32E-05
2	5	6	0.016275788	0.026193	2	5	6	2.06428E-05	3.32E-05
2	5	7	0.016275788	0.026193	2	5	7	2.06428E-05	3.32E-05
2	5	8	0.016275788	0.026193	2	5	8	2.06428E-05	3.32E-05

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	9	0.016275788	0.026193	2	5	9	2.06428E-05	3.32E-05
2	5	10	0.016275788	0.026193	2	5	10	2.06428E-05	3.32E-05
2	5	11	0.016275788	0.026193	2	5	11	2.06428E-05	3.32E-05
2	5	12	0.016275788	0.026193	2	5	12	2.06428E-05	3.32E-05
2	5	13	0.016275788	0.026193	2	5	13	2.06428E-05	3.32E-05
2	5	14	0.016275788	0.026193	2	5	14	2.06428E-05	3.32E-05
2	5	15	0.016275788	0.026193	2	5	15	2.06428E-05	3.32E-05
2	5	16	0.016275788	0.026193	2	5	16	2.06428E-05	3.32E-05
2	5	17	0.016275788	0.026193	2	5	17	2.06428E-05	3.32E-05
2	5	18	0.016275788	0.026193	2	5	18	2.06428E-05	3.32E-05
2	5	19	0.016275788	0.026193	2	5	19	2.06428E-05	3.32E-05
2	5	20	0.016275788	0.026193	2	5	20	2.06428E-05	3.32E-05
2	5	21	0.016275788	0.026193	2	5	21	2.06428E-05	3.32E-05
2	5	22	0.016275788	0.026193	2	5	22	2.06428E-05	3.32E-05
2	5	23	0.016275788	0.026193	2	5	23	2.06428E-05	3.32E-05
2	5	24	0.016275788	0.026193	2	5	24	2.06428E-05	3.32E-05
2	6	1	0.014810357	0.023835	2	6	1	2.11277E-05	3.4E-05
2	6	2	0.014810357	0.023835	2	6	2	2.11277E-05	3.4E-05
2	6	3	0.014810357	0.023835	2	6	3	2.11278E-05	3.4E-05
2	6	4	0.014810357	0.023835	2	6	4	2.11277E-05	3.4E-05
2	6	5	0.014810357	0.023835	2	6	5	2.11277E-05	3.4E-05
2	6	6	0.014810357	0.023835	2	6	6	2.11277E-05	3.4E-05
2	6	7	0.014810357	0.023835	2	6	7	2.11277E-05	3.4E-05
2	6	8	0.014810357	0.023835	2	6	8	2.11277E-05	3.4E-05
2	6	9	0.014810357	0.023835	2	6	9	2.11277E-05	3.4E-05
2	6	10	0.014810357	0.023835	2	6	10	2.11277E-05	3.4E-05
2	6	11	0.014810357	0.023835	2	6	11	2.11277E-05	3.4E-05
2	6	12	0.014810357	0.023835	2	6	12	2.11277E-05	3.4E-05
2	6	13	0.014810357	0.023835	2	6	13	2.11277E-05	3.4E-05
2	6	14	0.014810357	0.023835	2	6	14	2.11277E-05	3.4E-05
2	6	15	0.014810357	0.023835	2	6	15	2.11277E-05	3.4E-05
2	6	16	0.014810357	0.023835	2	6	16	2.11277E-05	3.4E-05
2	6	17	0.014810357	0.023835	2	6	17	2.11277E-05	3.4E-05
2	6	18	0.014810357	0.023835	2	6	18	2.11277E-05	3.4E-05
2	6	19	0.014810357	0.023835	2	6	19	2.11277E-05	3.4E-05
2	6	20	0.014810357	0.023835	2	6	20	2.11277E-05	3.4E-05
2	6	21	0.014810357	0.023835	2	6	21	2.11277E-05	3.4E-05
2	6	22	0.014810357	0.023835	2	6	22	2.11277E-05	3.4E-05
2	6	23	0.014810357	0.023835	2	6	23	2.11277E-05	3.4E-05
2	6	24	0.014810357	0.023835	2	6	24	2.11277E-05	3.4E-05
2	7	1	0.014372688	0.023131	2	7	1	2.24913E-05	3.62E-05
2	7	2	0.014372688	0.023131	2	7	2	2.24913E-05	3.62E-05
2	7	3	0.014372688	0.023131	2	7	3	2.24913E-05	3.62E-05
2	7	4	0.014372688	0.023131	2	7	4	2.24913E-05	3.62E-05
2	7	5	0.014372688	0.023131	2	7	5	2.24913E-05	3.62E-05
2	7	6	0.014372688	0.023131	2	7	6	2.24913E-05	3.62E-05
2	7	7	0.014372688	0.023131	2	7	7	2.24913E-05	3.62E-05
2	7	8	0.014372688	0.023131	2	7	8	2.24913E-05	3.62E-05
2	7	9	0.014372688	0.023131	2	7	9	2.24913E-05	3.62E-05
2	7	10	0.014372688	0.023131	2	7	10	2.24913E-05	3.62E-05
2	7	11	0.014372688	0.023131	2	7	11	2.24913E-05	3.62E-05
2	7	12	0.014372688	0.023131	2	7	12	2.24913E-05	3.62E-05
2	7	13	0.014372688	0.023131	2	7	13	2.24913E-05	3.62E-05
2	7	14	0.014372688	0.023131	2	7	14	2.24913E-05	3.62E-05
2	7	15	0.014372688	0.023131	2	7	15	2.24913E-05	3.62E-05
2	7	16	0.014372688	0.023131	2	7	16	2.24913E-05	3.62E-05

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	17	0.014372688	0.023131	2	7	17	2.24913E-05	3.62E-05
2	7	18	0.014372688	0.023131	2	7	18	2.24913E-05	3.62E-05
2	7	19	0.014372688	0.023131	2	7	19	2.24913E-05	3.62E-05
2	7	20	0.014372688	0.023131	2	7	20	2.24913E-05	3.62E-05
2	7	21	0.014372688	0.023131	2	7	21	2.24913E-05	3.62E-05
2	7	22	0.014372688	0.023131	2	7	22	2.24913E-05	3.62E-05
2	7	23	0.014372688	0.023131	2	7	23	2.24913E-05	3.62E-05
2	7	24	0.014372688	0.023131	2	7	24	2.24913E-05	3.62E-05
2	8	1	0.012601008	0.020279	2	8	1	1.54996E-05	2.49E-05
2	8	2	0.012601008	0.020279	2	8	2	1.54996E-05	2.49E-05
2	8	3	0.012601008	0.020279	2	8	3	1.54996E-05	2.49E-05
2	8	4	0.012601008	0.020279	2	8	4	1.54996E-05	2.49E-05
2	8	5	0.012601008	0.020279	2	8	5	1.54996E-05	2.49E-05
2	8	6	0.012601008	0.020279	2	8	6	1.54996E-05	2.49E-05
2	8	7	0.012601008	0.020279	2	8	7	1.54996E-05	2.49E-05
2	8	8	0.012601008	0.020279	2	8	8	1.54996E-05	2.49E-05
2	8	9	0.012601008	0.020279	2	8	9	1.54996E-05	2.49E-05
2	8	10	0.012601008	0.020279	2	8	10	1.54996E-05	2.49E-05
2	8	11	0.012601008	0.020279	2	8	11	1.54996E-05	2.49E-05
2	8	12	0.012601008	0.020279	2	8	12	1.54996E-05	2.49E-05
2	8	13	0.012601008	0.020279	2	8	13	1.54996E-05	2.49E-05
2	8	14	0.012601008	0.020279	2	8	14	1.54996E-05	2.49E-05
2	8	15	0.012601008	0.020279	2	8	15	1.54996E-05	2.49E-05
2	8	16	0.012601008	0.020279	2	8	16	1.54996E-05	2.49E-05
2	8	17	0.012601008	0.020279	2	8	17	1.54996E-05	2.49E-05
2	8	18	0.012601008	0.020279	2	8	18	1.54996E-05	2.49E-05
2	8	19	0.012601008	0.020279	2	8	19	1.54996E-05	2.49E-05
2	8	20	0.012601008	0.020279	2	8	20	1.54996E-05	2.49E-05
2	8	21	0.012601008	0.020279	2	8	21	1.54996E-05	2.49E-05
2	8	22	0.012601008	0.020279	2	8	22	1.54996E-05	2.49E-05
2	8	23	0.012601008	0.020279	2	8	23	1.54996E-05	2.49E-05
2	8	24	0.012601008	0.020279	2	8	24	1.54996E-05	2.49E-05
2	10	1	0.012022086	0.019348	2	10	1	1.59556E-05	2.57E-05
2	10	2	0.012022086	0.019348	2	10	2	1.59556E-05	2.57E-05
2	10	3	0.012022086	0.019348	2	10	3	1.59556E-05	2.57E-05
2	10	4	0.012022086	0.019348	2	10	4	1.59556E-05	2.57E-05
2	10	5	0.012022086	0.019348	2	10	5	1.59556E-05	2.57E-05
2	10	6	0.012022086	0.019348	2	10	6	1.59556E-05	2.57E-05
2	10	7	0.012022086	0.019348	2	10	7	1.59556E-05	2.57E-05
2	10	8	0.012022086	0.019348	2	10	8	1.59556E-05	2.57E-05
2	10	9	0.012022086	0.019348	2	10	9	1.59556E-05	2.57E-05
2	10	10	0.012022086	0.019348	2	10	10	1.59556E-05	2.57E-05
2	10	11	0.012022086	0.019348	2	10	11	1.59556E-05	2.57E-05
2	10	12	0.012022086	0.019348	2	10	12	1.59556E-05	2.57E-05
2	10	13	0.012022086	0.019348	2	10	13	1.59556E-05	2.57E-05
2	10	14	0.012022086	0.019348	2	10	14	1.59556E-05	2.57E-05
2	10	15	0.012022086	0.019348	2	10	15	1.59556E-05	2.57E-05
2	10	16	0.012022086	0.019348	2	10	16	1.59556E-05	2.57E-05
2	10	17	0.012022086	0.019348	2	10	17	1.59556E-05	2.57E-05
2	10	18	0.012022086	0.019348	2	10	18	1.59556E-05	2.57E-05
2	10	19	0.012022086	0.019348	2	10	19	1.59556E-05	2.57E-05
2	10	20	0.012022086	0.019348	2	10	20	1.59556E-05	2.57E-05
2	10	21	0.012022086	0.019348	2	10	21	1.59556E-05	2.57E-05
2	10	22	0.012022086	0.019348	2	10	22	1.59556E-05	2.57E-05
2	10	23	0.012022086	0.019348	2	10	23	1.59556E-05	2.57E-05
2	10	24	0.012022086	0.019348	2	10	24	1.59556E-05	2.57E-05

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	11	1	0.011687721	0.01881	2	11	1	1.49875E-05	2.41E-05
2	11	2	0.011687721	0.01881	2	11	2	1.49875E-05	2.41E-05
2	11	3	0.011687721	0.01881	2	11	3	1.49875E-05	2.41E-05
2	11	4	0.011687721	0.01881	2	11	4	1.49875E-05	2.41E-05
2	11	5	0.011687721	0.01881	2	11	5	1.49875E-05	2.41E-05
2	11	6	0.011687721	0.01881	2	11	6	1.49875E-05	2.41E-05
2	11	7	0.011687721	0.01881	2	11	7	1.49875E-05	2.41E-05
2	11	8	0.011687721	0.01881	2	11	8	1.49875E-05	2.41E-05
2	11	9	0.011687721	0.01881	2	11	9	1.49875E-05	2.41E-05
2	11	10	0.011687721	0.01881	2	11	10	1.49875E-05	2.41E-05
2	11	11	0.011687721	0.01881	2	11	11	1.49875E-05	2.41E-05
2	11	12	0.011687721	0.01881	2	11	12	1.49875E-05	2.41E-05
2	11	13	0.011687721	0.01881	2	11	13	1.49875E-05	2.41E-05
2	11	14	0.011687721	0.01881	2	11	14	1.49875E-05	2.41E-05
2	11	15	0.011687721	0.01881	2	11	15	1.49875E-05	2.41E-05
2	11	16	0.011687721	0.01881	2	11	16	1.49875E-05	2.41E-05
2	11	17	0.011687721	0.01881	2	11	17	1.49875E-05	2.41E-05
2	11	18	0.011687721	0.01881	2	11	18	1.49875E-05	2.41E-05
2	11	19	0.011687721	0.01881	2	11	19	1.49875E-05	2.41E-05
2	11	20	0.011687721	0.01881	2	11	20	1.49875E-05	2.41E-05
2	11	21	0.011687721	0.01881	2	11	21	1.49875E-05	2.41E-05
2	11	22	0.01168772	0.01881	2	11	22	1.49875E-05	2.41E-05
2	11	23	0.011687721	0.01881	2	11	23	1.49875E-05	2.41E-05
2	11	24	0.011687721	0.01881	2	11	24	1.49875E-05	2.41E-05
2	13	1	0.0113125	0.018206	2	13	1	1.24E-05	2E-05
2	13	2	0.0113125	0.018206	2	13	2	1.24E-05	2E-05
2	13	3	0.0113125	0.018206	2	13	3	1.24E-05	2E-05
2	13	4	0.0113125	0.018206	2	13	4	1.24E-05	2E-05
2	13	5	0.0113125	0.018206	2	13	5	1.24E-05	2E-05
2	13	6	0.0113125	0.018206	2	13	6	1.24E-05	2E-05
2	13	7	0.0113125	0.018206	2	13	7	1.24E-05	2E-05
2	13	8	0.0113125	0.018206	2	13	8	1.24E-05	2E-05
2	13	9	0.0113125	0.018206	2	13	9	1.24E-05	2E-05
2	13	10	0.0113125	0.018206	2	13	10	1.24E-05	2E-05
2	13	11	0.0113125	0.018206	2	13	11	1.24E-05	2E-05
2	13	12	0.0113125	0.018206	2	13	12	1.24E-05	2E-05
2	13	13	0.0113125	0.018206	2	13	13	1.24E-05	2E-05
2	13	14	0.0113125	0.018206	2	13	14	1.24E-05	2E-05
2	13	15	0.0113125	0.018206	2	13	15	1.24E-05	2E-05
2	13	16	0.0113125	0.018206	2	13	16	1.24E-05	2E-05
2	13	17	0.0113125	0.018206	2	13	17	1.24E-05	2E-05
2	13	18	0.0113125	0.018206	2	13	18	1.24E-05	2E-05
2	13	19	0.0113125	0.018206	2	13	19	1.24E-05	2E-05
2	13	20	0.0113125	0.018206	2	13	20	1.24E-05	2E-05
2	13	21	0.0113125	0.018206	2	13	21	1.24E-05	2E-05
2	13	22	0.0113125	0.018206	2	13	22	1.24E-05	2E-05
2	13	23	0.0113125	0.018206	2	13	23	1.24E-05	2E-05
2	13	24	0.0113125	0.018206	2	13	24	1.24E-05	2E-05
3	1	1	0.057830335	0.093069	3	1	1	6.57294E-05	0.000106
3	1	2	0.057830335	0.093069	3	1	2	6.57294E-05	0.000106
3	1	3	0.057830335	0.093069	3	1	3	6.57294E-05	0.000106
3	1	4	0.057830335	0.093069	3	1	4	6.57294E-05	0.000106
3	1	5	0.057830335	0.093069	3	1	5	6.57294E-05	0.000106
3	1	6	0.057830335	0.093069	3	1	6	6.57294E-05	0.000106
3	1	7	0.057830335	0.093069	3	1	7	6.57294E-05	0.000106
3	1	8	0.057830335	0.093069	3	1	8	6.57294E-05	0.000106

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	1	9	0.057830335	0.093069	3	1	9	6.57294E-05	0.000106
3	1	10	0.057830335	0.093069	3	1	10	6.57294E-05	0.000106
3	1	11	0.057830335	0.093069	3	1	11	6.57294E-05	0.000106
3	1	12	0.057830335	0.093069	3	1	12	6.57294E-05	0.000106
3	1	13	0.057830335	0.093069	3	1	13	6.57294E-05	0.000106
3	1	14	0.057830335	0.093069	3	1	14	6.57294E-05	0.000106
3	1	15	0.057830335	0.093069	3	1	15	6.57294E-05	0.000106
3	1	16	0.057830335	0.093069	3	1	16	6.57294E-05	0.000106
3	1	17	0.057830335	0.093069	3	1	17	6.57294E-05	0.000106
3	1	18	0.057830335	0.093069	3	1	18	6.57294E-05	0.000106
3	1	19	0.057830335	0.093069	3	1	19	6.57294E-05	0.000106
3	1	20	0.057830335	0.093069	3	1	20	6.57294E-05	0.000106
3	1	21	0.057830335	0.093069	3	1	21	6.57294E-05	0.000106
3	1	22	0.057830335	0.093069	3	1	22	6.57294E-05	0.000106
3	1	23	0.057830335	0.093069	3	1	23	6.57294E-05	0.000106
3	1	24	0.057830335	0.093069	3	1	24	6.57294E-05	0.000106
3	7	1	0.014420828	0.023208	3	7	1	2.23839E-05	3.6E-05
3	7	2	0.014420828	0.023208	3	7	2	2.23839E-05	3.6E-05
3	7	3	0.014420828	0.023208	3	7	3	2.23839E-05	3.6E-05
3	7	4	0.014420828	0.023208	3	7	4	2.23839E-05	3.6E-05
3	7	5	0.014420828	0.023208	3	7	5	2.23839E-05	3.6E-05
3	7	6	0.014420828	0.023208	3	7	6	2.23839E-05	3.6E-05
3	7	7	0.014420828	0.023208	3	7	7	2.23839E-05	3.6E-05
3	7	8	0.014420828	0.023208	3	7	8	2.23839E-05	3.6E-05
3	7	9	0.014420828	0.023208	3	7	9	2.23839E-05	3.6E-05
3	7	10	0.014420828	0.023208	3	7	10	2.23839E-05	3.6E-05
3	7	11	0.014420828	0.023208	3	7	11	2.23839E-05	3.6E-05
3	7	12	0.014420828	0.023208	3	7	12	2.23839E-05	3.6E-05
3	7	13	0.014420828	0.023208	3	7	13	2.23839E-05	3.6E-05
3	7	14	0.014420828	0.023208	3	7	14	2.23839E-05	3.6E-05
3	7	15	0.014420828	0.023208	3	7	15	2.23839E-05	3.6E-05
3	7	16	0.014420828	0.023208	3	7	16	2.23839E-05	3.6E-05
3	7	17	0.014420828	0.023208	3	7	17	2.23839E-05	3.6E-05
3	7	18	0.014420828	0.023208	3	7	18	2.23839E-05	3.6E-05
3	7	19	0.014420828	0.023208	3	7	19	2.23839E-05	3.6E-05
3	7	20	0.014420828	0.023208	3	7	20	2.23839E-05	3.6E-05
3	7	21	0.014420828	0.023208	3	7	21	2.23839E-05	3.6E-05
3	7	22	0.014420828	0.023208	3	7	22	2.23839E-05	3.6E-05
3	7	23	0.014420828	0.023208	3	7	23	2.23839E-05	3.6E-05
3	7	24	0.014420828	0.023208	3	7	24	2.23839E-05	3.6E-05
3	8	1	0.012789074	0.020582	3	8	1	1.55551E-05	2.5E-05
3	8	2	0.012789074	0.020582	3	8	2	1.55551E-05	2.5E-05
3	8	3	0.012789074	0.020582	3	8	3	1.55551E-05	2.5E-05
3	8	4	0.012789074	0.020582	3	8	4	1.55551E-05	2.5E-05
3	8	5	0.012789074	0.020582	3	8	5	1.55551E-05	2.5E-05
3	8	6	0.012789074	0.020582	3	8	6	1.55551E-05	2.5E-05
3	8	7	0.012789074	0.020582	3	8	7	1.55551E-05	2.5E-05
3	8	8	0.012789074	0.020582	3	8	8	1.55551E-05	2.5E-05
3	8	9	0.012789074	0.020582	3	8	9	1.55551E-05	2.5E-05
3	8	10	0.012789074	0.020582	3	8	10	1.55551E-05	2.5E-05
3	8	11	0.012789074	0.020582	3	8	11	1.55551E-05	2.5E-05
3	8	12	0.012789074	0.020582	3	8	12	1.55551E-05	2.5E-05
3	8	13	0.012789074	0.020582	3	8	13	1.55551E-05	2.5E-05
3	8	14	0.012789074	0.020582	3	8	14	1.55551E-05	2.5E-05
3	8	15	0.012789074	0.020582	3	8	15	1.55551E-05	2.5E-05
3	8	16	0.012789074	0.020582	3	8	16	1.55551E-05	2.5E-05

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	17	0.012789074	0.020582	3	8	17	1.55551E-05	2.5E-05
3	8	18	0.012789074	0.020582	3	8	18	1.55551E-05	2.5E-05
3	8	19	0.012789074	0.020582	3	8	19	1.55551E-05	2.5E-05
3	8	20	0.012789074	0.020582	3	8	20	1.55551E-05	2.5E-05
3	8	21	0.012789074	0.020582	3	8	21	1.55551E-05	2.5E-05
3	8	22	0.012789074	0.020582	3	8	22	1.55551E-05	2.5E-05
3	8	23	0.012789074	0.020582	3	8	23	1.55551E-05	2.5E-05
3	8	24	0.012789074	0.020582	3	8	24	1.55551E-05	2.5E-05
3	10	1	0.012131278	0.019523	3	10	1	1.59466E-05	2.57E-05
3	10	2	0.012131278	0.019523	3	10	2	1.59466E-05	2.57E-05
3	10	3	0.012131278	0.019523	3	10	3	1.59466E-05	2.57E-05
3	10	4	0.012131278	0.019523	3	10	4	1.59466E-05	2.57E-05
3	10	5	0.012131278	0.019523	3	10	5	1.59466E-05	2.57E-05
3	10	6	0.012131278	0.019523	3	10	6	1.59466E-05	2.57E-05
3	10	7	0.012131278	0.019523	3	10	7	1.59466E-05	2.57E-05
3	10	8	0.012131278	0.019523	3	10	8	1.59466E-05	2.57E-05
3	10	9	0.012131278	0.019523	3	10	9	1.59466E-05	2.57E-05
3	10	10	0.012131278	0.019523	3	10	10	1.59466E-05	2.57E-05
3	10	11	0.012131278	0.019523	3	10	11	1.59466E-05	2.57E-05
3	10	12	0.012131278	0.019523	3	10	12	1.59466E-05	2.57E-05
3	10	13	0.012131278	0.019523	3	10	13	1.59466E-05	2.57E-05
3	10	14	0.012131278	0.019523	3	10	14	1.59466E-05	2.57E-05
3	10	15	0.012131278	0.019523	3	10	15	1.59466E-05	2.57E-05
3	10	16	0.012131278	0.019523	3	10	16	1.59466E-05	2.57E-05
3	10	17	0.012131278	0.019523	3	10	17	1.59466E-05	2.57E-05
3	10	18	0.012131278	0.019523	3	10	18	1.59466E-05	2.57E-05
3	10	19	0.012131278	0.019523	3	10	19	1.59466E-05	2.57E-05
3	10	20	0.012131278	0.019523	3	10	20	1.59466E-05	2.57E-05
3	10	21	0.012131278	0.019523	3	10	21	1.59466E-05	2.57E-05
3	10	22	0.012131278	0.019523	3	10	22	1.59466E-05	2.57E-05
3	10	23	0.012131278	0.019523	3	10	23	1.59466E-05	2.57E-05
3	10	24	0.012131278	0.019523	3	10	24	1.59466E-05	2.57E-05
3	11	1	0.011738743	0.018892	3	11	1	1.49833E-05	2.41E-05
3	11	2	0.011738743	0.018892	3	11	2	1.49833E-05	2.41E-05
3	11	3	0.011738743	0.018892	3	11	3	1.49833E-05	2.41E-05
3	11	4	0.011738743	0.018892	3	11	4	1.49833E-05	2.41E-05
3	11	5	0.011738743	0.018892	3	11	5	1.49833E-05	2.41E-05
3	11	6	0.011738743	0.018892	3	11	6	1.49833E-05	2.41E-05
3	11	7	0.011738743	0.018892	3	11	7	1.49833E-05	2.41E-05
3	11	8	0.011738743	0.018892	3	11	8	1.49833E-05	2.41E-05
3	11	9	0.011738743	0.018892	3	11	9	1.49833E-05	2.41E-05
3	11	10	0.011738743	0.018892	3	11	10	1.49833E-05	2.41E-05
3	11	11	0.011738743	0.018892	3	11	11	1.49833E-05	2.41E-05
3	11	12	0.011738743	0.018892	3	11	12	1.49833E-05	2.41E-05
3	11	13	0.011738743	0.018892	3	11	13	1.49833E-05	2.41E-05
3	11	14	0.011738743	0.018892	3	11	14	1.49833E-05	2.41E-05
3	11	15	0.011738743	0.018892	3	11	15	1.49833E-05	2.41E-05
3	11	16	0.011738743	0.018892	3	11	16	1.49833E-05	2.41E-05
3	11	17	0.011738743	0.018892	3	11	17	1.49833E-05	2.41E-05
3	11	18	0.011738743	0.018892	3	11	18	1.49833E-05	2.41E-05
3	11	19	0.011738743	0.018892	3	11	19	1.49833E-05	2.41E-05
3	11	20	0.011738743	0.018892	3	11	20	1.49833E-05	2.41E-05
3	11	21	0.011738743	0.018892	3	11	21	1.49833E-05	2.41E-05
3	11	22	0.011738743	0.018892	3	11	22	1.49833E-05	2.41E-05
3	11	23	0.011738743	0.018892	3	11	23	1.49833E-05	2.41E-05
3	11	24	0.011738743	0.018892	3	11	24	1.49833E-05	2.41E-05

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	1	0.015021858	0.024175	5	6	1	2.12286E-05	3.42E-05
5	6	2	0.015021858	0.024175	5	6	2	2.12286E-05	3.42E-05
5	6	3	0.015021858	0.024175	5	6	3	2.12286E-05	3.42E-05
5	6	4	0.015021858	0.024175	5	6	4	2.12286E-05	3.42E-05
5	6	5	0.015021858	0.024175	5	6	5	2.12286E-05	3.42E-05
5	6	6	0.015021858	0.024175	5	6	6	2.12286E-05	3.42E-05
5	6	7	0.015021858	0.024175	5	6	7	2.12286E-05	3.42E-05
5	6	8	0.015021858	0.024175	5	6	8	2.12286E-05	3.42E-05
5	6	9	0.015021858	0.024175	5	6	9	2.12286E-05	3.42E-05
5	6	10	0.015021858	0.024175	5	6	10	2.12286E-05	3.42E-05
5	6	11	0.015021858	0.024175	5	6	11	2.12286E-05	3.42E-05
5	6	12	0.015021858	0.024175	5	6	12	2.12286E-05	3.42E-05
5	6	13	0.015021858	0.024175	5	6	13	2.12286E-05	3.42E-05
5	6	14	0.015021858	0.024175	5	6	14	2.12286E-05	3.42E-05
5	6	15	0.015021858	0.024175	5	6	15	2.12286E-05	3.42E-05
5	6	16	0.015021858	0.024175	5	6	16	2.12286E-05	3.42E-05
5	6	17	0.015021858	0.024175	5	6	17	2.12286E-05	3.42E-05
5	6	18	0.015021858	0.024175	5	6	18	2.12286E-05	3.42E-05
5	6	19	0.015021858	0.024175	5	6	19	2.12286E-05	3.42E-05
5	6	20	0.015021858	0.024175	5	6	20	2.12286E-05	3.42E-05
5	6	21	0.015021858	0.024175	5	6	21	2.12286E-05	3.42E-05
5	6	22	0.015021858	0.024175	5	6	22	2.12286E-05	3.42E-05
5	6	23	0.015021858	0.024175	5	6	23	2.12286E-05	3.42E-05
5	6	24	0.015021858	0.024175	5	6	24	2.12286E-05	3.42E-05
5	8	1	0.012789074	0.020582	5	8	1	1.55551E-05	2.5E-05
5	8	2	0.012789074	0.020582	5	8	2	1.55551E-05	2.5E-05
5	8	3	0.012789074	0.020582	5	8	3	1.55551E-05	2.5E-05
5	8	4	0.012789074	0.020582	5	8	4	1.55551E-05	2.5E-05
5	8	5	0.012789074	0.020582	5	8	5	1.55551E-05	2.5E-05
5	8	6	0.012789074	0.020582	5	8	6	1.55551E-05	2.5E-05
5	8	7	0.012789074	0.020582	5	8	7	1.55551E-05	2.5E-05
5	8	8	0.012789074	0.020582	5	8	8	1.55551E-05	2.5E-05
5	8	9	0.012789074	0.020582	5	8	9	1.55551E-05	2.5E-05
5	8	10	0.012789074	0.020582	5	8	10	1.55551E-05	2.5E-05
5	8	11	0.012789074	0.020582	5	8	11	1.55551E-05	2.5E-05
5	8	12	0.012789074	0.020582	5	8	12	1.55551E-05	2.5E-05
5	8	13	0.012789074	0.020582	5	8	13	1.55551E-05	2.5E-05
5	8	14	0.012789074	0.020582	5	8	14	1.55551E-05	2.5E-05
5	8	15	0.012789074	0.020582	5	8	15	1.55551E-05	2.5E-05
5	8	16	0.012789074	0.020582	5	8	16	1.55551E-05	2.5E-05
5	8	17	0.012789074	0.020582	5	8	17	1.55551E-05	2.5E-05
5	8	18	0.012789074	0.020582	5	8	18	1.55551E-05	2.5E-05
5	8	19	0.012789074	0.020582	5	8	19	1.55551E-05	2.5E-05
5	8	20	0.012789074	0.020582	5	8	20	1.55551E-05	2.5E-05
5	8	21	0.012789074	0.020582	5	8	21	1.55551E-05	2.5E-05
5	8	22	0.012789074	0.020582	5	8	22	1.55551E-05	2.5E-05
5	8	23	0.012789074	0.020582	5	8	23	1.55551E-05	2.5E-05
5	8	24	0.012789074	0.020582	5	8	24	1.55551E-05	2.5E-05
5	11	1	0.011738743	0.018892	5	11	1	1.49833E-05	2.41E-05

TRK Travel Emission Rate Calculation: GHG (2021)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	2	0.011738743	0.018892	5	11	2	1.49833E-05	2.41E-05
5	11	3	0.011738743	0.018892	5	11	3	1.49833E-05	2.41E-05
5	11	4	0.011738743	0.018892	5	11	4	1.49833E-05	2.41E-05
5	11	5	0.011738743	0.018892	5	11	5	1.49833E-05	2.41E-05
5	11	6	0.011738743	0.018892	5	11	6	1.49833E-05	2.41E-05
5	11	7	0.011738743	0.018892	5	11	7	1.49833E-05	2.41E-05
5	11	8	0.011738743	0.018892	5	11	8	1.49833E-05	2.41E-05
5	11	9	0.011738743	0.018892	5	11	9	1.49833E-05	2.41E-05
5	11	10	0.011738743	0.018892	5	11	10	1.49833E-05	2.41E-05
5	11	11	0.011738743	0.018892	5	11	11	1.49833E-05	2.41E-05
5	11	12	0.011738743	0.018892	5	11	12	1.49833E-05	2.41E-05
5	11	13	0.011738743	0.018892	5	11	13	1.49833E-05	2.41E-05
5	11	14	0.011738743	0.018892	5	11	14	1.49833E-05	2.41E-05
5	11	15	0.011738743	0.018892	5	11	15	1.49833E-05	2.41E-05
5	11	16	0.011738743	0.018892	5	11	16	1.49833E-05	2.41E-05
5	11	17	0.011738743	0.018892	5	11	17	1.49833E-05	2.41E-05
5	11	18	0.011738743	0.018892	5	11	18	1.49833E-05	2.41E-05
5	11	19	0.011738743	0.018892	5	11	19	1.49833E-05	2.41E-05
5	11	20	0.011738743	0.018892	5	11	20	1.49833E-05	2.41E-05
5	11	21	0.011738743	0.018892	5	11	21	1.49833E-05	2.41E-05
5	11	22	0.011738743	0.018892	5	11	22	1.49833E-05	2.41E-05
5	11	23	0.011738743	0.018892	5	11	23	1.49833E-05	2.41E-05
5	11	24	0.011738743	0.018892	5	11	24	1.49833E-05	2.41E-05
5	7	1	0.014420828	0.023208	5	7	1	2.23839E-05	3.6E-05
5	7	2	0.014420828	0.023208	5	7	2	2.23839E-05	3.6E-05
5	7	3	0.014420828	0.023208	5	7	3	2.23839E-05	3.6E-05
5	7	4	0.014420828	0.023208	5	7	4	2.23839E-05	3.6E-05
5	7	5	0.014420828	0.023208	5	7	5	2.23839E-05	3.6E-05
5	7	6	0.014420828	0.023208	5	7	6	2.23839E-05	3.6E-05
5	7	7	0.014420828	0.023208	5	7	7	2.23839E-05	3.6E-05
5	7	8	0.014420828	0.023208	5	7	8	2.23839E-05	3.6E-05
5	7	9	0.014420828	0.023208	5	7	9	2.23839E-05	3.6E-05
5	7	10	0.014420828	0.023208	5	7	10	2.23839E-05	3.6E-05
5	7	11	0.014420828	0.023208	5	7	11	2.23839E-05	3.6E-05
5	7	12	0.014420828	0.023208	5	7	12	2.23839E-05	3.6E-05
5	7	13	0.014420828	0.023208	5	7	13	2.23839E-05	3.6E-05
5	7	14	0.014420828	0.023208	5	7	14	2.23839E-05	3.6E-05
5	7	15	0.014420828	0.023208	5	7	15	2.23839E-05	3.6E-05
5	7	16	0.014420828	0.023208	5	7	16	2.23839E-05	3.6E-05
5	7	17	0.014420828	0.023208	5	7	17	2.23839E-05	3.6E-05
5	7	18	0.014420828	0.023208	5	7	18	2.23839E-05	3.6E-05
5	7	19	0.014420828	0.023208	5	7	19	2.23839E-05	3.6E-05
5	7	20	0.014420828	0.023208	5	7	20	2.23839E-05	3.6E-05
5	7	21	0.014420828	0.023208	5	7	21	2.23839E-05	3.6E-05
5	7	22	0.014420828	0.023208	5	7	22	2.23839E-05	3.6E-05
5	7	23	0.014420828	0.023208	5	7	23	2.23839E-05	3.6E-05
5	7	24	0.014420828	0.023208	5	7	24	2.23839E-05	3.6E-05

TRK Travel Emission Rate Calculation: CAC (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	0.790584	1.272319	1	0	1	0.724206	1.165494
1	0	2	0.790584	1.272319	1	0	2	0.724206	1.165494
1	0	3	0.790584	1.272319	1	0	3	0.724206	1.165494
1	0	4	0.790584	1.272319	1	0	4	0.724206	1.165494
1	0	5	0.790584	1.272319	1	0	5	0.724206	1.165494
1	0	6	0.790584	1.272319	1	0	6	0.724206	1.165494
1	0	7	0.790584	1.272319	1	0	7	0.724206	1.165494
1	0	8	0.790584	1.272319	1	0	8	0.724206	1.165494
1	0	9	0.790584	1.272319	1	0	9	0.724206	1.165494
1	0	10	0.790584	1.272319	1	0	10	0.724206	1.165494
1	0	11	0.790584	1.272319	1	0	11	0.724206	1.165494
1	0	12	0.790584	1.272319	1	0	12	0.724206	1.165494
1	0	13	0.790584	1.272319	1	0	13	0.724206	1.165494
1	0	14	0.790584	1.272319	1	0	14	0.724206	1.165494
1	0	15	0.790584	1.272319	1	0	15	0.724206	1.165494
1	0	16	0.790584	1.272319	1	0	16	0.724206	1.165494
1	0	17	0.790584	1.272319	1	0	17	0.724206	1.165494
1	0	18	0.790584	1.272319	1	0	18	0.724206	1.165494
1	0	19	0.790584	1.272319	1	0	19	0.724206	1.165494
1	0	20	0.790584	1.272319	1	0	20	0.724206	1.165494
1	0	21	0.790584	1.272319	1	0	21	0.724206	1.165494
1	0	22	0.790584	1.272319	1	0	22	0.724206	1.165494
1	0	23	0.790584	1.272319	1	0	23	0.724206	1.165494
1	0	24	0.790584	1.272319	1	0	24	0.724206	1.165494
2	1	1	3.91629	6.302643	2	1	1	0.925483	1.489417
2	1	2	3.91629	6.302643	2	1	2	0.925483	1.489417
2	1	3	3.91629	6.302643	2	1	3	0.925483	1.489417
2	1	4	3.91629	6.302643	2	1	4	0.925483	1.489417
2	1	5	3.91629	6.302643	2	1	5	0.925483	1.489417
2	1	6	3.91629	6.302643	2	1	6	0.925483	1.489417
2	1	7	3.91629	6.302643	2	1	7	0.925483	1.489417
2	1	8	3.91629	6.302643	2	1	8	0.925483	1.489417
2	1	9	3.91629	6.302643	2	1	9	0.925483	1.489417
2	1	10	3.91629	6.302643	2	1	10	0.925483	1.489417
2	1	11	3.91629	6.302643	2	1	11	0.925483	1.489417
2	1	12	3.91629	6.302643	2	1	12	0.925483	1.489417
2	1	13	3.91629	6.302643	2	1	13	0.925483	1.489417
2	1	14	3.91629	6.302643	2	1	14	0.925483	1.489417
2	1	15	3.91629	6.302643	2	1	15	0.925483	1.489417
2	1	16	3.91629	6.302643	2	1	16	0.925483	1.489417
2	1	17	3.91629	6.302643	2	1	17	0.925483	1.489417
2	1	18	3.91629	6.302643	2	1	18	0.925483	1.489417
2	1	19	3.91629	6.302643	2	1	19	0.925483	1.489417
2	1	20	3.91629	6.302643	2	1	20	0.925483	1.489417
2	1	21	3.91629	6.302643	2	1	21	0.925483	1.489417
2	1	22	3.91629	6.302643	2	1	22	0.925483	1.489417
2	1	23	3.91629	6.302643	2	1	23	0.925483	1.489417
2	1	24	3.91629	6.302643	2	1	24	0.925483	1.489417
2	5	1	1.047352	1.685545	2	5	1	0.251044	0.404015
2	5	2	1.047352	1.685545	2	5	2	0.251044	0.404015
2	5	3	1.047352	1.685545	2	5	3	0.251044	0.404015
2	5	4	1.047352	1.685545	2	5	4	0.251044	0.404015
2	5	5	1.047352	1.685545	2	5	5	0.251044	0.404015
2	5	6	1.047352	1.685545	2	5	6	0.251044	0.404015
2	5	7	1.047352	1.685545	2	5	7	0.251044	0.404015
2	5	8	1.047352	1.685545	2	5	8	0.251044	0.404015

TRK Travel Emission Rate Calculation: CAC (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	9	1.047352	1.685545	2	5	9	0.251044	0.404015
2	5	10	1.047352	1.685545	2	5	10	0.251044	0.404015
2	5	11	1.047352	1.685545	2	5	11	0.251044	0.404015
2	5	12	1.047352	1.685545	2	5	12	0.251044	0.404015
2	5	13	1.047352	1.685545	2	5	13	0.251044	0.404015
2	5	14	1.047352	1.685545	2	5	14	0.251044	0.404015
2	5	15	1.047352	1.685545	2	5	15	0.251044	0.404015
2	5	16	1.047352	1.685545	2	5	16	0.251044	0.404015
2	5	17	1.047352	1.685545	2	5	17	0.251044	0.404015
2	5	18	1.047352	1.685545	2	5	18	0.251044	0.404015
2	5	19	1.047352	1.685545	2	5	19	0.251044	0.404015
2	5	20	1.047352	1.685545	2	5	20	0.251044	0.404015
2	5	21	1.047352	1.685545	2	5	21	0.251044	0.404015
2	5	22	1.047352	1.685545	2	5	22	0.251044	0.404015
2	5	23	1.047352	1.685545	2	5	23	0.251044	0.404015
2	5	24	1.047352	1.685545	2	5	24	0.251044	0.404015
2	6	1	0.879217	1.414959	2	6	1	0.223136	0.359102
2	6	2	0.879217	1.414959	2	6	2	0.223136	0.359102
2	6	3	0.879217	1.414959	2	6	3	0.223136	0.359102
2	6	4	0.879217	1.414959	2	6	4	0.223136	0.359102
2	6	5	0.879217	1.414959	2	6	5	0.223136	0.359102
2	6	6	0.879217	1.414959	2	6	6	0.223136	0.359102
2	6	7	0.879217	1.414959	2	6	7	0.223136	0.359102
2	6	8	0.879217	1.414959	2	6	8	0.223136	0.359102
2	6	9	0.879217	1.414959	2	6	9	0.223136	0.359102
2	6	10	0.879217	1.414959	2	6	10	0.223136	0.359102
2	6	11	0.879217	1.414959	2	6	11	0.223136	0.359102
2	6	12	0.879217	1.41496	2	6	12	0.223136	0.359102
2	6	13	0.879217	1.414959	2	6	13	0.223136	0.359102
2	6	14	0.879217	1.414959	2	6	14	0.223136	0.359102
2	6	15	0.879217	1.414959	2	6	15	0.223136	0.359102
2	6	16	0.879217	1.414959	2	6	16	0.223136	0.359102
2	6	17	0.879217	1.414959	2	6	17	0.223136	0.359102
2	6	18	0.879217	1.41496	2	6	18	0.223136	0.359102
2	6	19	0.879217	1.414959	2	6	19	0.223136	0.359102
2	6	20	0.879217	1.414959	2	6	20	0.223136	0.359102
2	6	21	0.879217	1.414959	2	6	21	0.223136	0.359102
2	6	22	0.879217	1.414959	2	6	22	0.223136	0.359102
2	6	23	0.879217	1.414959	2	6	23	0.223136	0.359102
2	6	24	0.879217	1.414959	2	6	24	0.223136	0.359102
2	7	1	0.716522	1.153128	2	7	1	0.201398	0.324117
2	7	2	0.716522	1.153128	2	7	2	0.201398	0.324117
2	7	3	0.716522	1.153128	2	7	3	0.201398	0.324117
2	7	4	0.716522	1.153128	2	7	4	0.201398	0.324117
2	7	5	0.716522	1.153128	2	7	5	0.201398	0.324117
2	7	6	0.716522	1.153128	2	7	6	0.201398	0.324117
2	7	7	0.716522	1.153128	2	7	7	0.201398	0.324117
2	7	8	0.716522	1.153128	2	7	8	0.201398	0.324117
2	7	9	0.716522	1.153128	2	7	9	0.201398	0.324117
2	7	10	0.716522	1.153128	2	7	10	0.201398	0.324117
2	7	11	0.716522	1.153128	2	7	11	0.201398	0.324117
2	7	12	0.716522	1.153128	2	7	12	0.201398	0.324117
2	7	13	0.716522	1.153128	2	7	13	0.201398	0.324117
2	7	14	0.716522	1.153128	2	7	14	0.201398	0.324117
2	7	15	0.716522	1.153128	2	7	15	0.201398	0.324117
2	7	16	0.716522	1.153128	2	7	16	0.201398	0.324117

TRK Travel Emission Rate Calculation: CAC (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	17	0.716522	1.153128	2	7	17	0.201398	0.324117
2	7	18	0.716522	1.153128	2	7	18	0.201398	0.324117
2	7	19	0.716522	1.153128	2	7	19	0.201398	0.324117
2	7	20	0.716522	1.153128	2	7	20	0.201398	0.324117
2	7	21	0.716522	1.153128	2	7	21	0.201398	0.324117
2	7	22	0.716522	1.153128	2	7	22	0.201398	0.324117
2	7	23	0.716522	1.153128	2	7	23	0.201398	0.324117
2	7	24	0.716522	1.153128	2	7	24	0.201398	0.324117
2	8	1	0.556619	0.89579	2	8	1	0.154414	0.248505
2	8	2	0.556619	0.89579	2	8	2	0.154414	0.248505
2	8	3	0.556619	0.89579	2	8	3	0.154414	0.248505
2	8	4	0.556619	0.89579	2	8	4	0.154414	0.248505
2	8	5	0.556619	0.89579	2	8	5	0.154414	0.248505
2	8	6	0.556619	0.89579	2	8	6	0.154414	0.248505
2	8	7	0.556619	0.89579	2	8	7	0.154414	0.248505
2	8	8	0.556619	0.89579	2	8	8	0.154414	0.248505
2	8	9	0.556619	0.89579	2	8	9	0.154414	0.248505
2	8	10	0.556619	0.89579	2	8	10	0.154414	0.248505
2	8	11	0.556619	0.89579	2	8	11	0.154414	0.248505
2	8	12	0.556619	0.89579	2	8	12	0.154414	0.248505
2	8	13	0.556619	0.89579	2	8	13	0.154414	0.248505
2	8	14	0.556619	0.89579	2	8	14	0.154414	0.248505
2	8	15	0.556619	0.89579	2	8	15	0.154414	0.248505
2	8	16	0.556619	0.89579	2	8	16	0.154414	0.248505
2	8	17	0.556619	0.89579	2	8	17	0.154414	0.248505
2	8	18	0.556619	0.89579	2	8	18	0.154414	0.248505
2	8	19	0.556619	0.89579	2	8	19	0.154414	0.248505
2	8	20	0.556619	0.89579	2	8	20	0.154414	0.248505
2	8	21	0.556619	0.89579	2	8	21	0.154414	0.248505
2	8	22	0.556619	0.89579	2	8	22	0.154414	0.248505
2	8	23	0.556619	0.89579	2	8	23	0.154414	0.248505
2	8	24	0.556619	0.89579	2	8	24	0.154414	0.248505
2	10	1	0.34179	0.550057	2	10	1	0.120258	0.193536
2	10	2	0.34179	0.550057	2	10	2	0.120258	0.193536
2	10	3	0.34179	0.550057	2	10	3	0.120258	0.193536
2	10	4	0.34179	0.550057	2	10	4	0.120258	0.193536
2	10	5	0.34179	0.550057	2	10	5	0.120258	0.193536
2	10	6	0.34179	0.550057	2	10	6	0.120258	0.193536
2	10	7	0.34179	0.550057	2	10	7	0.120258	0.193536
2	10	8	0.34179	0.550057	2	10	8	0.120258	0.193536
2	10	9	0.34179	0.550057	2	10	9	0.120258	0.193536
2	10	10	0.34179	0.550057	2	10	10	0.120258	0.193536
2	10	11	0.34179	0.550057	2	10	11	0.120258	0.193536
2	10	12	0.34179	0.550057	2	10	12	0.120258	0.193536
2	10	13	0.34179	0.550057	2	10	13	0.120258	0.193536
2	10	14	0.34179	0.550057	2	10	14	0.120258	0.193536
2	10	15	0.34179	0.550057	2	10	15	0.120258	0.193536
2	10	16	0.34179	0.550057	2	10	16	0.120258	0.193536
2	10	17	0.34179	0.550057	2	10	17	0.120258	0.193536
2	10	18	0.34179	0.550057	2	10	18	0.120258	0.193536
2	10	19	0.34179	0.550057	2	10	19	0.120258	0.193536
2	10	20	0.34179	0.550057	2	10	20	0.120258	0.193536
2	10	21	0.34179	0.550057	2	10	21	0.120258	0.193536
2	10	22	0.34179	0.550057	2	10	22	0.120258	0.193536
2	10	23	0.34179	0.550057	2	10	23	0.120258	0.193536
2	10	24	0.34179	0.550057	2	10	24	0.120258	0.193536

TRK Travel Emission Rate Calculation: CAC (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	11	1	0.260223	0.418788	2	11	1	0.103368	0.166354
2	11	2	0.260223	0.418788	2	11	2	0.103368	0.166354
2	11	3	0.260223	0.418788	2	11	3	0.103368	0.166354
2	11	4	0.260223	0.418788	2	11	4	0.103368	0.166354
2	11	5	0.260223	0.418788	2	11	5	0.103368	0.166354
2	11	6	0.260223	0.418788	2	11	6	0.103368	0.166354
2	11	7	0.260223	0.418788	2	11	7	0.103368	0.166354
2	11	8	0.260223	0.418788	2	11	8	0.103368	0.166354
2	11	9	0.260223	0.418788	2	11	9	0.103368	0.166354
2	11	10	0.260223	0.418788	2	11	10	0.103368	0.166354
2	11	11	0.260223	0.418788	2	11	11	0.103368	0.166354
2	11	12	0.260223	0.418788	2	11	12	0.103368	0.166354
2	11	13	0.260223	0.418788	2	11	13	0.103368	0.166354
2	11	14	0.260223	0.418788	2	11	14	0.103368	0.166354
2	11	15	0.260223	0.418788	2	11	15	0.103368	0.166354
2	11	16	0.260223	0.418788	2	11	16	0.103368	0.166354
2	11	17	0.260223	0.418788	2	11	17	0.103368	0.166354
2	11	18	0.260223	0.418788	2	11	18	0.103368	0.166354
2	11	19	0.260223	0.418788	2	11	19	0.103368	0.166354
2	11	20	0.260223	0.418788	2	11	20	0.103368	0.166354
2	11	21	0.260223	0.418788	2	11	21	0.103368	0.166354
2	11	22	0.260223	0.418788	2	11	22	0.103368	0.166354
2	11	23	0.260223	0.418788	2	11	23	0.103368	0.166354
2	11	24	0.260223	0.418788	2	11	24	0.103368	0.166354
2	13	1	0.15008	0.241529	2	13	1	0.077072	0.124035
2	13	2	0.15008	0.241529	2	13	2	0.077072	0.124035
2	13	3	0.15008	0.241529	2	13	3	0.077072	0.124035
2	13	4	0.15008	0.241529	2	13	4	0.077072	0.124035
2	13	5	0.15008	0.241529	2	13	5	0.077072	0.124035
2	13	6	0.15008	0.241529	2	13	6	0.077072	0.124035
2	13	7	0.15008	0.241529	2	13	7	0.077072	0.124035
2	13	8	0.15008	0.241529	2	13	8	0.077072	0.124035
2	13	9	0.15008	0.241529	2	13	9	0.077072	0.124035
2	13	10	0.15008	0.241529	2	13	10	0.077072	0.124035
2	13	11	0.15008	0.241529	2	13	11	0.077072	0.124035
2	13	12	0.15008	0.241529	2	13	12	0.077072	0.124035
2	13	13	0.15008	0.241529	2	13	13	0.077072	0.124035
2	13	14	0.15008	0.241529	2	13	14	0.077072	0.124035
2	13	15	0.15008	0.241529	2	13	15	0.077072	0.124035
2	13	16	0.15008	0.241529	2	13	16	0.077072	0.124035
2	13	17	0.15008	0.241529	2	13	17	0.077072	0.124035
2	13	18	0.15008	0.241529	2	13	18	0.077072	0.124035
2	13	19	0.15008	0.241529	2	13	19	0.077072	0.124035
2	13	20	0.15008	0.241529	2	13	20	0.077072	0.124035
2	13	21	0.15008	0.241529	2	13	21	0.077072	0.124035
2	13	22	0.15008	0.241529	2	13	22	0.077072	0.124035
2	13	23	0.15008	0.241529	2	13	23	0.077072	0.124035
2	13	24	0.15008	0.241529	2	13	24	0.077072	0.124035
3	1	1	3.906537	6.286946	3	1	1	0.919258	1.479399
3	1	2	3.906537	6.286946	3	1	2	0.919258	1.479399
3	1	3	3.906537	6.286946	3	1	3	0.919258	1.479399
3	1	4	3.906537	6.286946	3	1	4	0.919258	1.479399
3	1	5	3.906537	6.286946	3	1	5	0.919258	1.479399
3	1	6	3.906537	6.286946	3	1	6	0.919258	1.479399
3	1	7	3.906537	6.286946	3	1	7	0.919258	1.479399
3	1	8	3.906537	6.286946	3	1	8	0.919258	1.479399

TRK Travel Emission Rate Calculation: CAC (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	1	9	3.906537	6.286946	3	1	9	0.919258	1.479399
3	1	10	3.906537	6.286946	3	1	10	0.919258	1.479399
3	1	11	3.906537	6.286946	3	1	11	0.919258	1.479399
3	1	12	3.906543	6.286956	3	1	12	0.919258	1.479399
3	1	13	3.906537	6.286946	3	1	13	0.919258	1.479399
3	1	14	3.906537	6.286946	3	1	14	0.919258	1.479399
3	1	15	3.906537	6.286946	3	1	15	0.919258	1.479399
3	1	16	3.906537	6.286946	3	1	16	0.919258	1.479399
3	1	17	3.906537	6.286946	3	1	17	0.919258	1.479399
3	1	18	3.906537	6.286946	3	1	18	0.919258	1.479399
3	1	19	3.906537	6.286946	3	1	19	0.919258	1.479399
3	1	20	3.906537	6.286946	3	1	20	0.919258	1.479399
3	1	21	3.906537	6.286946	3	1	21	0.919258	1.479399
3	1	22	3.906537	6.286946	3	1	22	0.919258	1.479399
3	1	23	3.906537	6.286946	3	1	23	0.919258	1.479399
3	1	24	3.906537	6.286946	3	1	24	0.919258	1.479399
3	7	1	0.681518	1.096794	3	7	1	0.196576	0.316358
3	7	2	0.681518	1.096794	3	7	2	0.196576	0.316358
3	7	3	0.681518	1.096794	3	7	3	0.196576	0.316358
3	7	4	0.681518	1.096794	3	7	4	0.196576	0.316358
3	7	5	0.681518	1.096794	3	7	5	0.196576	0.316358
3	7	6	0.681518	1.096794	3	7	6	0.196576	0.316358
3	7	7	0.681518	1.096794	3	7	7	0.196576	0.316358
3	7	8	0.681518	1.096794	3	7	8	0.196576	0.316358
3	7	9	0.681518	1.096794	3	7	9	0.196576	0.316358
3	7	10	0.681518	1.096794	3	7	10	0.196576	0.316358
3	7	11	0.681518	1.096794	3	7	11	0.196576	0.316358
3	7	12	0.681518	1.096794	3	7	12	0.196576	0.316358
3	7	13	0.681518	1.096794	3	7	13	0.196576	0.316358
3	7	14	0.681518	1.096794	3	7	14	0.196576	0.316358
3	7	15	0.681518	1.096794	3	7	15	0.196576	0.316358
3	7	16	0.681518	1.096794	3	7	16	0.196576	0.316358
3	7	17	0.681518	1.096794	3	7	17	0.196576	0.316358
3	7	18	0.681518	1.096794	3	7	18	0.196576	0.316358
3	7	19	0.681518	1.096794	3	7	19	0.196576	0.316358
3	7	20	0.681518	1.096794	3	7	20	0.196576	0.316358
3	7	21	0.681518	1.096794	3	7	21	0.196576	0.316358
3	7	22	0.681518	1.096794	3	7	22	0.196576	0.316358
3	7	23	0.681518	1.096794	3	7	23	0.196576	0.316358
3	7	24	0.681518	1.096794	3	7	24	0.196576	0.316358
3	8	1	0.529411	0.852002	3	8	1	0.151394	0.243645
3	8	2	0.529411	0.852002	3	8	2	0.151394	0.243645
3	8	3	0.529411	0.852002	3	8	3	0.151394	0.243645
3	8	4	0.529411	0.852002	3	8	4	0.151394	0.243645
3	8	5	0.529411	0.852002	3	8	5	0.151394	0.243645
3	8	6	0.529411	0.852002	3	8	6	0.151394	0.243645
3	8	7	0.529411	0.852002	3	8	7	0.151394	0.243645
3	8	8	0.529411	0.852002	3	8	8	0.151394	0.243645
3	8	9	0.529411	0.852002	3	8	9	0.151394	0.243645
3	8	10	0.529411	0.852002	3	8	10	0.151394	0.243645
3	8	11	0.529411	0.852002	3	8	11	0.151394	0.243645
3	8	12	0.529411	0.852002	3	8	12	0.151394	0.243645
3	8	13	0.529411	0.852002	3	8	13	0.151394	0.243645
3	8	14	0.529411	0.852002	3	8	14	0.151394	0.243645
3	8	15	0.529411	0.852002	3	8	15	0.151394	0.243645
3	8	16	0.529411	0.852002	3	8	16	0.151394	0.243645

TRK Travel Emission Rate Calculation: CAC (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	17	0.529411	0.852002	3	8	17	0.151394	0.243645
3	8	18	0.529411	0.852002	3	8	18	0.151394	0.243645
3	8	19	0.529411	0.852002	3	8	19	0.151394	0.243645
3	8	20	0.529411	0.852002	3	8	20	0.151394	0.243645
3	8	21	0.529411	0.852002	3	8	21	0.151394	0.243645
3	8	22	0.529411	0.852002	3	8	22	0.151394	0.243645
3	8	23	0.529411	0.852002	3	8	23	0.151394	0.243645
3	8	24	0.529411	0.852002	3	8	24	0.151394	0.243645
3	10	1	0.334587	0.538464	3	10	1	0.119502	0.19232
3	10	2	0.334587	0.538464	3	10	2	0.119502	0.19232
3	10	3	0.334587	0.538464	3	10	3	0.119502	0.19232
3	10	4	0.334587	0.538464	3	10	4	0.119502	0.19232
3	10	5	0.334587	0.538464	3	10	5	0.119502	0.19232
3	10	6	0.334587	0.538464	3	10	6	0.119502	0.19232
3	10	7	0.334587	0.538464	3	10	7	0.119502	0.19232
3	10	8	0.334587	0.538464	3	10	8	0.119502	0.19232
3	10	9	0.334587	0.538464	3	10	9	0.119502	0.19232
3	10	10	0.334587	0.538464	3	10	10	0.119502	0.19232
3	10	11	0.334587	0.538464	3	10	11	0.119502	0.19232
3	10	12	0.334587	0.538464	3	10	12	0.119502	0.19232
3	10	13	0.334587	0.538464	3	10	13	0.119502	0.19232
3	10	14	0.334587	0.538464	3	10	14	0.119502	0.19232
3	10	15	0.334587	0.538464	3	10	15	0.119502	0.19232
3	10	16	0.334587	0.538464	3	10	16	0.119502	0.19232
3	10	17	0.334587	0.538464	3	10	17	0.119502	0.19232
3	10	18	0.334587	0.538464	3	10	18	0.119502	0.19232
3	10	19	0.334587	0.538464	3	10	19	0.119502	0.19232
3	10	20	0.334587	0.538464	3	10	20	0.119502	0.19232
3	10	21	0.334587	0.538464	3	10	21	0.119502	0.19232
3	10	22	0.334587	0.538464	3	10	22	0.119502	0.19232
3	10	23	0.334587	0.538464	3	10	23	0.119502	0.19232
3	10	24	0.334587	0.538464	3	10	24	0.119502	0.19232
3	11	1	0.256857	0.41337	3	11	1	0.103015	0.165786
3	11	2	0.256857	0.41337	3	11	2	0.103015	0.165786
3	11	3	0.256857	0.41337	3	11	3	0.103015	0.165786
3	11	4	0.256857	0.41337	3	11	4	0.103015	0.165786
3	11	5	0.256857	0.41337	3	11	5	0.103015	0.165786
3	11	6	0.256857	0.41337	3	11	6	0.103015	0.165786
3	11	7	0.256857	0.41337	3	11	7	0.103015	0.165786
3	11	8	0.256857	0.41337	3	11	8	0.103015	0.165786
3	11	9	0.256857	0.41337	3	11	9	0.103015	0.165786
3	11	10	0.256857	0.41337	3	11	10	0.103015	0.165786
3	11	11	0.256857	0.41337	3	11	11	0.103015	0.165786
3	11	12	0.256857	0.41337	3	11	12	0.103015	0.165786
3	11	13	0.256857	0.41337	3	11	13	0.103015	0.165786
3	11	14	0.256857	0.41337	3	11	14	0.103015	0.165786
3	11	15	0.256857	0.41337	3	11	15	0.103015	0.165786
3	11	16	0.256857	0.41337	3	11	16	0.103015	0.165786
3	11	17	0.256857	0.41337	3	11	17	0.103015	0.165786
3	11	18	0.256857	0.41337	3	11	18	0.103015	0.165786
3	11	19	0.256857	0.41337	3	11	19	0.103015	0.165786
3	11	20	0.256857	0.41337	3	11	20	0.103015	0.165786
3	11	21	0.256857	0.41337	3	11	21	0.103015	0.165786
3	11	22	0.256857	0.41337	3	11	22	0.103015	0.165786
3	11	23	0.256857	0.41337	3	11	23	0.103015	0.165786
3	11	24	0.256857	0.41337	3	11	24	0.103015	0.165786

TRK Travel Emission Rate Calculation: CAC (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	1	0.847214	1.363455	5	6	1	0.21975	0.353653
5	6	2	0.847214	1.363455	5	6	2	0.21975	0.353653
5	6	3	0.847214	1.363455	5	6	3	0.21975	0.353653
5	6	4	0.847214	1.363455	5	6	4	0.21975	0.353653
5	6	5	0.847214	1.363455	5	6	5	0.21975	0.353653
5	6	6	0.847214	1.363455	5	6	6	0.21975	0.353653
5	6	7	0.847214	1.363455	5	6	7	0.21975	0.353653
5	6	8	0.847214	1.363455	5	6	8	0.21975	0.353653
5	6	9	0.847214	1.363455	5	6	9	0.21975	0.353653
5	6	10	0.847214	1.363455	5	6	10	0.21975	0.353653
5	6	11	0.847214	1.363455	5	6	11	0.21975	0.353653
5	6	12	0.847214	1.363455	5	6	12	0.21975	0.353653
5	6	13	0.847214	1.363455	5	6	13	0.21975	0.353653
5	6	14	0.847214	1.363455	5	6	14	0.21975	0.353653
5	6	15	0.847214	1.363455	5	6	15	0.21975	0.353653
5	6	16	0.847214	1.363455	5	6	16	0.21975	0.353653
5	6	17	0.847214	1.363455	5	6	17	0.21975	0.353653
5	6	18	0.847214	1.363455	5	6	18	0.21975	0.353653
5	6	19	0.847214	1.363455	5	6	19	0.21975	0.353653
5	6	20	0.847214	1.363455	5	6	20	0.21975	0.353653
5	6	21	0.847214	1.363455	5	6	21	0.21975	0.353653
5	6	22	0.847214	1.363455	5	6	22	0.21975	0.353653
5	6	23	0.847214	1.363455	5	6	23	0.21975	0.353653
5	6	24	0.847214	1.363455	5	6	24	0.21975	0.353653
5	8	1	0.529411	0.852002	5	8	1	0.151394	0.243645
5	8	2	0.529411	0.852002	5	8	2	0.151394	0.243645
5	8	3	0.529411	0.852002	5	8	3	0.151394	0.243645
5	8	4	0.529411	0.852002	5	8	4	0.151394	0.243645
5	8	5	0.529411	0.852002	5	8	5	0.151394	0.243645
5	8	6	0.529411	0.852002	5	8	6	0.151394	0.243645
5	8	7	0.529411	0.852002	5	8	7	0.151394	0.243645
5	8	8	0.529411	0.852002	5	8	8	0.151394	0.243645
5	8	9	0.529411	0.852002	5	8	9	0.151394	0.243645
5	8	10	0.529411	0.852002	5	8	10	0.151394	0.243645
5	8	11	0.529411	0.852002	5	8	11	0.151394	0.243645
5	8	12	0.529411	0.852002	5	8	12	0.151394	0.243645
5	8	13	0.529411	0.852002	5	8	13	0.151394	0.243645
5	8	14	0.529411	0.852002	5	8	14	0.151394	0.243645
5	8	15	0.529411	0.852002	5	8	15	0.151394	0.243645
5	8	16	0.529411	0.852002	5	8	16	0.151394	0.243645
5	8	17	0.529411	0.852002	5	8	17	0.151394	0.243645
5	8	18	0.529411	0.852002	5	8	18	0.151394	0.243645
5	8	19	0.529411	0.852002	5	8	19	0.151394	0.243645
5	8	20	0.529411	0.852002	5	8	20	0.151394	0.243645
5	8	21	0.529411	0.852002	5	8	21	0.151394	0.243645
5	8	22	0.529411	0.852002	5	8	22	0.151394	0.243645
5	8	23	0.529411	0.852002	5	8	23	0.151394	0.243645
5	8	24	0.529411	0.852002	5	8	24	0.151394	0.243645
5	11	1	0.256857	0.41337	5	11	1	0.103015	0.165786

TRK Travel Emission Rate Calculation: CAC (2021)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	2	0.256857	0.41337	5	11	2	0.103015	0.165786
5	11	3	0.256857	0.41337	5	11	3	0.103015	0.165786
5	11	4	0.256857	0.41337	5	11	4	0.103015	0.165786
5	11	5	0.256857	0.41337	5	11	5	0.103015	0.165786
5	11	6	0.256857	0.41337	5	11	6	0.103015	0.165786
5	11	7	0.256857	0.41337	5	11	7	0.103015	0.165786
5	11	8	0.256857	0.41337	5	11	8	0.103015	0.165786
5	11	9	0.256857	0.41337	5	11	9	0.103015	0.165786
5	11	10	0.256857	0.41337	5	11	10	0.103015	0.165786
5	11	11	0.256857	0.41337	5	11	11	0.103015	0.165786
5	11	12	0.256857	0.41337	5	11	12	0.103015	0.165786
5	11	13	0.256857	0.41337	5	11	13	0.103015	0.165786
5	11	14	0.256857	0.41337	5	11	14	0.103015	0.165786
5	11	15	0.256857	0.41337	5	11	15	0.103015	0.165786
5	11	16	0.256857	0.41337	5	11	16	0.103015	0.165786
5	11	17	0.256857	0.41337	5	11	17	0.103015	0.165786
5	11	18	0.256857	0.41337	5	11	18	0.103015	0.165786
5	11	19	0.256857	0.41337	5	11	19	0.103015	0.165786
5	11	20	0.256857	0.41337	5	11	20	0.103015	0.165786
5	11	21	0.256857	0.41337	5	11	21	0.103015	0.165786
5	11	22	0.256857	0.41337	5	11	22	0.103015	0.165786
5	11	23	0.256857	0.41337	5	11	23	0.103015	0.165786
5	11	24	0.256857	0.41337	5	11	24	0.103015	0.165786
5	7	1	0.681518	1.096794	5	7	1	0.196576	0.316358
5	7	2	0.681518	1.096794	5	7	2	0.196576	0.316358
5	7	3	0.681518	1.096794	5	7	3	0.196576	0.316358
5	7	4	0.681518	1.096794	5	7	4	0.196576	0.316358
5	7	5	0.681518	1.096794	5	7	5	0.196576	0.316358
5	7	6	0.681518	1.096794	5	7	6	0.196576	0.316358
5	7	7	0.681518	1.096794	5	7	7	0.196576	0.316358
5	7	8	0.681518	1.096794	5	7	8	0.196576	0.316358
5	7	9	0.681518	1.096794	5	7	9	0.196576	0.316358
5	7	10	0.681518	1.096794	5	7	10	0.196576	0.316358
5	7	11	0.681518	1.096794	5	7	11	0.196576	0.316358
5	7	12	0.681518	1.096794	5	7	12	0.196576	0.316358
5	7	13	0.681518	1.096794	5	7	13	0.196576	0.316358
5	7	14	0.681518	1.096794	5	7	14	0.196576	0.316358
5	7	15	0.681518	1.096794	5	7	15	0.196576	0.316358
5	7	16	0.681518	1.096794	5	7	16	0.196576	0.316358
5	7	17	0.681518	1.096794	5	7	17	0.196576	0.316358
5	7	18	0.681518	1.096794	5	7	18	0.196576	0.316358
5	7	19	0.681518	1.096794	5	7	19	0.196576	0.316358
5	7	20	0.681518	1.096794	5	7	20	0.196576	0.316358
5	7	21	0.681518	1.096794	5	7	21	0.196576	0.316358
5	7	22	0.681518	1.096794	5	7	22	0.196576	0.316358
5	7	23	0.681518	1.096794	5	7	23	0.196576	0.316358
5	7	24	0.681518	1.096794	5	7	24	0.196576	0.316358

AECOM

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
1	0	1	3497.38	5628.491	1	0	1	0.25076	0.403553
1	0	2	3497.38	5628.491	1	0	2	0.25076	0.403553
1	0	3	3497.38	5628.491	1	0	3	0.25076	0.403553
1	0	4	3497.38	5628.491	1	0	4	0.25076	0.403553
1	0	5	3497.38	5628.491	1	0	5	0.25076	0.403553
1	0	6	3497.38	5628.491	1	0	6	0.25076	0.403553
1	0	7	3497.38	5628.491	1	0	7	0.25076	0.403553
1	0	8	3497.38	5628.491	1	0	8	0.25076	0.403553
1	0	9	3497.38	5628.491	1	0	9	0.25076	0.403553
1	0	10	3545.94	5706.631	1	0	10	0.25076	0.403553
1	0	11	3607.1	5805.067	1	0	11	0.25076	0.403553
1	0	12	3677.28	5918.002	1	0	12	0.25076	0.403553
1	0	13	3729.23	6001.608	1	0	13	0.25076	0.403553
1	0	14	3777.6	6079.45	1	0	14	0.25076	0.403553
1	0	15	3804.61	6122.923	1	0	15	0.25076	0.403553
1	0	16	3793.41	6104.907	1	0	16	0.25076	0.403553
1	0	17	3788.23	6096.562	1	0	17	0.25076	0.403553
1	0	18	3769.97	6067.18	1	0	18	0.25076	0.403553
1	0	19	3710.47	5971.424	1	0	19	0.25076	0.403553
1	0	20	3626.7	5836.608	1	0	20	0.25076	0.403553
1	0	21	3510.91	5650.263	1	0	21	0.25076	0.403553
1	0	22	3497.38	5628.491	1	0	22	0.25076	0.403553
1	0	23	3497.38	5628.491	1	0	23	0.25076	0.403553
1	0	24	3497.38	5628.491	1	0	24	0.25076	0.403553
2	1	1	2037.69	3279.351	2	1	1	0.13757	0.221398
2	1	2	2037.69	3279.351	2	1	2	0.13757	0.221398
2	1	3	2037.69	3279.351	2	1	3	0.13757	0.221398
2	1	4	2037.69	3279.351	2	1	4	0.13757	0.221398
2	1	5	2037.69	3279.351	2	1	5	0.13757	0.221398
2	1	6	2037.69	3279.351	2	1	6	0.13757	0.221398
2	1	7	2037.69	3279.351	2	1	7	0.13757	0.221398
2	1	8	2037.69	3279.351	2	1	8	0.13757	0.221398
2	1	9	2037.69	3279.351	2	1	9	0.13757	0.221398
2	1	10	2060.8	3316.534	2	1	10	0.13757	0.221398
2	1	11	2089.92	3363.399	2	1	11	0.13757	0.221398
2	1	12	2123.32	3417.149	2	1	12	0.13757	0.221398
2	1	13	2148.04	3456.941	2	1	13	0.13757	0.221398
2	1	14	2171.06	3493.99	2	1	14	0.13757	0.221398
2	1	15	2183.92	3514.685	2	1	15	0.13757	0.221398
2	1	16	2178.59	3506.103	2	1	16	0.13757	0.221398
2	1	17	2176.13	3502.139	2	1	17	0.13757	0.221398
2	1	18	2167.44	3488.152	2	1	18	0.13757	0.221398
2	1	19	2139.12	3442.58	2	1	19	0.13757	0.221398
2	1	20	2099.24	3378.405	2	1	20	0.13757	0.221398
2	1	21	2044.13	3289.707	2	1	21	0.13757	0.221398
2	1	22	2037.69	3279.351	2	1	22	0.13757	0.221398
2	1	23	2037.69	3279.351	2	1	23	0.13757	0.221398
2	1	24	2037.69	3279.351	2	1	24	0.13757	0.221398
2	5	1	468.046	753.2462	2	5	1	0.03121	0.050229
2	5	2	468.046	753.2462	2	5	2	0.03121	0.050229
2	5	3	468.046	753.2462	2	5	3	0.03121	0.050229
2	5	4	468.046	753.2462	2	5	4	0.03121	0.050229
2	5	5	468.046	753.2462	2	5	5	0.03121	0.050229
2	5	6	468.046	753.2462	2	5	6	0.03121	0.050229
2	5	7	468.046	753.2462	2	5	7	0.03121	0.050229
2	5	8	468.046	753.2462	2	5	8	0.03121	0.050229
2	5	9	468.046	753.2462	2	5	9	0.03121	0.050229

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	5	10	471.83	759.3365	2	5	10	0.03121	0.050229
2	5	11	476.598	767.0101	2	5	11	0.03121	0.050229
2	5	12	482.068	775.8128	2	5	12	0.03121	0.050229
2	5	13	486.118	782.3309	2	5	13	0.03121	0.050229
2	5	14	489.888	788.3987	2	5	14	0.03121	0.050229
2	5	15	491.994	791.7869	2	5	15	0.03121	0.050229
2	5	16	491.121	790.3821	2	5	16	0.03121	0.050229
2	5	17	490.716	789.7314	2	5	17	0.03121	0.050229
2	5	18	489.294	787.4426	2	5	18	0.03121	0.050229
2	5	19	484.655	779.9772	2	5	19	0.03121	0.050229
2	5	20	478.126	769.4686	2	5	20	0.03121	0.050229
2	5	21	469.099	754.9422	2	5	21	0.03121	0.050229
2	5	22	468.046	753.2462	2	5	22	0.03121	0.050229
2	5	23	468.046	753.2462	2	5	23	0.03121	0.050229
2	5	24	468.046	753.2462	2	5	24	0.03121	0.050229
2	6	1	423.497	681.5531	2	6	1	0.02843	0.045751
2	6	2	423.497	681.5531	2	6	2	0.02843	0.045751
2	6	3	423.497	681.5531	2	6	3	0.02843	0.045751
2	6	4	423.497	681.5531	2	6	4	0.02843	0.045751
2	6	5	423.497	681.5531	2	6	5	0.02843	0.045751
2	6	6	423.497	681.5531	2	6	6	0.02843	0.045751
2	6	7	423.497	681.5531	2	6	7	0.02843	0.045751
2	6	8	423.497	681.5531	2	6	8	0.02843	0.045751
2	6	9	423.497	681.5531	2	6	9	0.02843	0.045751
2	6	10	426.733	686.7605	2	6	10	0.02843	0.045751
2	6	11	430.81	693.321	2	6	11	0.02843	0.045751
2	6	12	435.487	700.8481	2	6	12	0.02843	0.045751
2	6	13	438.949	706.4202	2	6	13	0.02843	0.045751
2	6	14	442.173	711.609	2	6	14	0.02843	0.045751
2	6	15	443.973	714.5052	2	6	15	0.02843	0.045751
2	6	16	443.227	713.3054	2	6	16	0.02843	0.045751
2	6	17	442.881	712.7484	2	6	17	0.02843	0.045751
2	6	18	441.665	710.7914	2	6	18	0.02843	0.045751
2	6	19	437.699	704.408	2	6	19	0.02843	0.045751
2	6	20	432.116	695.423	2	6	20	0.02843	0.045751
2	6	21	424.399	683.0041	2	6	21	0.02843	0.045751
2	6	22	423.497	681.5531	2	6	22	0.02843	0.045751
2	6	23	423.497	681.5531	2	6	23	0.02843	0.045751
2	6	24	423.497	681.5531	2	6	24	0.02843	0.045751
2	7	1	395.666	636.763	2	7	1	0.02675	0.043048
2	7	2	395.666	636.763	2	7	2	0.02675	0.043048
2	7	3	395.666	636.763	2	7	3	0.02675	0.043048
2	7	4	395.666	636.763	2	7	4	0.02675	0.043048
2	7	5	395.666	636.763	2	7	5	0.02675	0.043048
2	7	6	395.666	636.763	2	7	6	0.02675	0.043048
2	7	7	395.666	636.763	2	7	7	0.02675	0.043048
2	7	8	395.666	636.763	2	7	8	0.02675	0.043048
2	7	9	395.666	636.763	2	7	9	0.02675	0.043048
2	7	10	398.537	641.3825	2	7	10	0.02675	0.043048
2	7	11	402.153	647.2031	2	7	11	0.02675	0.043048
2	7	12	406.303	653.8816	2	7	12	0.02675	0.043048
2	7	13	409.375	658.8247	2	7	13	0.02675	0.043048
2	7	14	412.235	663.4282	2	7	14	0.02675	0.043048
2	7	15	413.832	665.9985	2	7	15	0.02675	0.043048
2	7	16	413.17	664.9324	2	7	16	0.02675	0.043048
2	7	17	412.863	664.4389	2	7	17	0.02675	0.043048
2	7	18	411.785	662.7029	2	7	18	0.02675	0.043048

AECOM

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	7	19	408.266	657.0407	2	7	19	0.02675	0.043048
2	7	20	403.313	649.0688	2	7	20	0.02675	0.043048
2	7	21	396.466	638.0504	2	7	21	0.02675	0.043048
2	7	22	395.666	636.763	2	7	22	0.02675	0.043048
2	7	23	395.666	636.763	2	7	23	0.02675	0.043048
2	7	24	395.666	636.763	2	7	24	0.02675	0.043048
2	12	1	360.897	580.807	2	12	1	0.02445	0.039352
2	12	2	360.897	580.807	2	12	2	0.02445	0.039352
2	12	3	360.897	580.807	2	12	3	0.02445	0.039352
2	12	4	360.897	580.807	2	12	4	0.02445	0.039352
2	12	5	360.897	580.807	2	12	5	0.02445	0.039352
2	12	6	360.897	580.807	2	12	6	0.02445	0.039352
2	12	7	360.897	580.807	2	12	7	0.02445	0.039352
2	12	8	360.897	580.807	2	12	8	0.02445	0.039352
2	12	9	360.897	580.807	2	12	9	0.02445	0.039352
2	12	10	363.094	584.3435	2	12	10	0.02445	0.039352
2	12	11	365.863	588.8002	2	12	11	0.02445	0.039352
2	12	12	369.04	593.9122	2	12	12	0.02445	0.039352
2	12	13	371.391	597.6953	2	12	13	0.02445	0.039352
2	12	14	373.58	601.2187	2	12	14	0.02445	0.039352
2	12	15	374.803	603.1868	2	12	15	0.02445	0.039352
2	12	16	374.296	602.3713	2	12	16	0.02445	0.039352
2	12	17	374.062	601.9948	2	12	17	0.02445	0.039352
2	12	18	373.236	600.6644	2	12	18	0.02445	0.039352
2	12	19	370.543	596.3304	2	12	19	0.02445	0.039352
2	12	20	366.75	590.2273	2	12	20	0.02445	0.039352
2	12	21	361.509	581.7922	2	12	21	0.02445	0.039352
2	12	22	360.897	580.807	2	12	22	0.02445	0.039352
2	12	23	360.897	580.807	2	12	23	0.02445	0.039352
2	12	24	360.897	580.807	2	12	24	0.02445	0.039352
2	13	1	356.972	574.4905	2	13	1	0.02409	0.038772
2	13	2	356.972	574.4905	2	13	2	0.02409	0.038772
2	13	3	356.972	574.4905	2	13	3	0.02409	0.038772
2	13	4	356.972	574.4905	2	13	4	0.02409	0.038772
2	13	5	356.972	574.4905	2	13	5	0.02409	0.038772
2	13	6	356.972	574.4905	2	13	6	0.02409	0.038772
2	13	7	356.972	574.4905	2	13	7	0.02409	0.038772
2	13	8	356.972	574.4905	2	13	8	0.02409	0.038772
2	13	9	356.972	574.4905	2	13	9	0.02409	0.038772
2	13	10	359.098	577.9121	2	13	10	0.02409	0.038772
2	13	11	361.777	582.223	2	13	11	0.02409	0.038772
2	13	12	364.85	587.1686	2	13	12	0.02409	0.038772
2	13	13	367.124	590.8294	2	13	13	0.02409	0.038772
2	13	14	369.243	594.2391	2	13	14	0.02409	0.038772
2	13	15	370.426	596.1424	2	13	15	0.02409	0.038772
2	13	16	369.935	595.3533	2	13	16	0.02409	0.038772
2	13	17	369.709	594.9885	2	13	17	0.02409	0.038772
2	13	18	368.909	593.7018	2	13	18	0.02409	0.038772
2	13	19	366.304	589.5084	2	13	19	0.02409	0.038772
2	13	20	362.635	583.6044	2	13	20	0.02409	0.038772
2	13	21	357.564	575.4431	2	13	21	0.02409	0.038772
2	13	22	356.972	574.4905	2	13	22	0.02409	0.038772
2	13	23	356.972	574.4905	2	13	23	0.02409	0.038772
2	13	24	356.972	574.4905	2	13	24	0.02409	0.038772
2	15	1	375.513	604.3297	2	15	1	0.02472	0.039777
2	15	2	375.513	604.3297	2	15	2	0.02472	0.039777
2	15	3	375.513	604.3297	2	15	3	0.02472	0.039777

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
2	15	4	375.513	604.3297	2	15	4	0.02472	0.039777
2	15	5	375.513	604.3297	2	15	5	0.02472	0.039777
2	15	6	375.513	604.3297	2	15	6	0.02472	0.039777
2	15	7	375.513	604.3297	2	15	7	0.02472	0.039777
2	15	8	375.513	604.3297	2	15	8	0.02472	0.039777
2	15	9	375.513	604.3297	2	15	9	0.02472	0.039777
2	15	10	377.633	607.7406	2	15	10	0.02472	0.039777
2	15	11	380.304	612.0394	2	15	11	0.02472	0.039777
2	15	12	383.368	616.9709	2	15	12	0.02472	0.039777
2	15	13	385.636	620.6207	2	15	13	0.02472	0.039777
2	15	14	387.748	624.0197	2	15	14	0.02472	0.039777
2	15	15	388.927	625.9178	2	15	15	0.02472	0.039777
2	15	16	388.439	625.1313	2	15	16	0.02472	0.039777
2	15	17	388.212	624.767	2	15	17	0.02472	0.039777
2	15	18	387.416	623.4849	2	15	18	0.02472	0.039777
2	15	19	384.818	619.3038	2	15	19	0.02472	0.039777
2	15	20	381.159	613.4166	2	15	20	0.02472	0.039777
2	15	21	376.104	605.28	2	15	21	0.02472	0.039777
2	15	22	375.513	604.3297	2	15	22	0.02472	0.039777
2	15	23	375.513	604.3297	2	15	23	0.02472	0.039777
2	15	24	375.513	604.3297	2	15	24	0.02472	0.039777
3	7	1	417.397	671.7358	3	7	1	0.02917	0.046948
3	7	2	417.397	671.7358	3	7	2	0.02917	0.046948
3	7	3	417.397	671.7358	3	7	3	0.02917	0.046948
3	7	4	417.397	671.7358	3	7	4	0.02917	0.046948
3	7	5	417.397	671.7358	3	7	5	0.02917	0.046948
3	7	6	417.397	671.7358	3	7	6	0.02917	0.046948
3	7	7	417.397	671.7358	3	7	7	0.02917	0.046948
3	7	8	417.397	671.7358	3	7	8	0.02917	0.046948
3	7	9	417.397	671.7358	3	7	9	0.02917	0.046948
3	7	10	420.316	676.4336	3	7	10	0.02917	0.046948
3	7	11	423.993	682.3503	3	7	11	0.02917	0.046948
3	7	12	428.211	689.1384	3	7	12	0.02917	0.046948
3	7	13	431.334	694.1643	3	7	13	0.02917	0.046948
3	7	14	434.241	698.8433	3	7	14	0.02917	0.046948
3	7	15	435.864	701.4555	3	7	15	0.02917	0.046948
3	7	16	435.192	700.3736	3	7	16	0.02917	0.046948
3	7	17	434.88	699.8712	3	7	17	0.02917	0.046948
3	7	18	433.783	698.1059	3	7	18	0.02917	0.046948
3	7	19	430.206	692.3498	3	7	19	0.02917	0.046948
3	7	20	425.171	684.2463	3	7	20	0.02917	0.046948
3	7	21	418.211	673.0448	3	7	21	0.02917	0.046948
3	7	22	417.397	671.7358	3	7	22	0.02917	0.046948
3	7	23	417.397	671.7358	3	7	23	0.02917	0.046948
3	7	24	417.397	671.7358	3	7	24	0.02917	0.046948
3	8	1	397.732	640.0877	3	8	1	0.02764	0.044475
3	8	2	397.732	640.0877	3	8	2	0.02764	0.044475
3	8	3	397.732	640.0877	3	8	3	0.02764	0.044475
3	8	4	397.732	640.0877	3	8	4	0.02764	0.044475
3	8	5	397.732	640.0877	3	8	5	0.02764	0.044475
3	8	6	397.732	640.0877	3	8	6	0.02764	0.044475
3	8	7	397.732	640.0877	3	8	7	0.02764	0.044475
3	8	8	397.732	640.0877	3	8	8	0.02764	0.044475
3	8	9	397.732	640.0877	3	8	9	0.02764	0.044475
3	8	10	400.416	644.4064	3	8	10	0.02764	0.044475
3	8	11	403.796	649.8473	3	8	11	0.02764	0.044475
3	8	12	407.675	656.0897	3	8	12	0.02764	0.044475

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
3	8	13	410.547	660.7117	3	8	13	0.02764	0.044475
3	8	14	413.221	665.0143	3	8	14	0.02764	0.044475
3	8	15	414.713	667.4157	3	8	15	0.02764	0.044475
3	8	16	414.094	666.4204	3	8	16	0.02764	0.044475
3	8	17	413.808	665.9597	3	8	17	0.02764	0.044475
3	8	18	412.799	664.3356	3	8	18	0.02764	0.044475
3	8	19	409.51	659.043	3	8	19	0.02764	0.044475
3	8	20	404.88	651.5908	3	8	20	0.02764	0.044475
3	8	21	398.479	641.2904	3	8	21	0.02764	0.044475
3	8	22	397.732	640.0877	3	8	22	0.02764	0.044475
3	8	23	397.732	640.0877	3	8	23	0.02764	0.044475
3	8	24	397.732	640.0877	3	8	24	0.02764	0.044475
3	11	1	370.969	597.0168	3	11	1	0.02534	0.040779
3	11	2	370.969	597.0168	3	11	2	0.02534	0.040779
3	11	3	370.969	597.0168	3	11	3	0.02534	0.040779
3	11	4	370.969	597.0168	3	11	4	0.02534	0.040779
3	11	5	370.969	597.0168	3	11	5	0.02534	0.040779
3	11	6	370.969	597.0168	3	11	6	0.02534	0.040779
3	11	7	370.969	597.0168	3	11	7	0.02534	0.040779
3	11	8	370.969	597.0168	3	11	8	0.02534	0.040779
3	11	9	370.969	597.0168	3	11	9	0.02534	0.040779
3	11	10	373.262	600.7063	3	11	10	0.02534	0.040779
3	11	11	376.149	605.3536	3	11	11	0.02534	0.040779
3	11	12	379.463	610.6869	3	11	12	0.02534	0.040779
3	11	13	381.916	614.6341	3	11	13	0.02534	0.040779
3	11	14	384.2	618.3101	3	11	14	0.02534	0.040779
3	11	15	385.474	620.3607	3	11	15	0.02534	0.040779
3	11	16	384.946	619.5111	3	11	16	0.02534	0.040779
3	11	17	384.702	619.1176	3	11	17	0.02534	0.040779
3	11	18	383.84	617.7306	3	11	18	0.02534	0.040779
3	11	19	381.03	613.2087	3	11	19	0.02534	0.040779
3	11	20	377.075	606.8437	3	11	20	0.02534	0.040779
3	11	21	371.608	598.0444	3	11	21	0.02534	0.040779
3	11	22	370.969	597.0168	3	11	22	0.02534	0.040779
3	11	23	370.969	597.0168	3	11	23	0.02534	0.040779
3	11	24	370.969	597.0168	3	11	24	0.02534	0.040779

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	6	1	3239	5212.668	5	6	1	0.18316	0.294763
5	6	2	3239	5212.668	5	6	2	0.18316	0.294763
5	6	3	3239	5212.668	5	6	3	0.18316	0.294763
5	6	4	3239	5212.668	5	6	4	0.18316	0.294763
5	6	5	3239	5212.668	5	6	5	0.18316	0.294763
5	6	6	3239	5212.668	5	6	6	0.18316	0.294763
5	6	7	3239	5212.668	5	6	7	0.18316	0.294763
5	6	8	3239	5212.668	5	6	8	0.18316	0.294763
5	6	9	3239	5212.668	5	6	9	0.18316	0.294763
5	6	10	3239	5212.668	5	6	10	0.18316	0.294763
5	6	11	3239	5212.668	5	6	11	0.18316	0.294763
5	6	12	3239	5212.668	5	6	12	0.18316	0.294763
5	6	13	3239	5212.668	5	6	13	0.18316	0.294763
5	6	14	3239	5212.668	5	6	14	0.18316	0.294763
5	6	15	3239	5212.668	5	6	15	0.18316	0.294763
5	6	16	3239	5212.67	5	6	16	0.18316	0.294763
5	6	17	3239	5212.668	5	6	17	0.18316	0.294763
5	6	18	3239	5212.668	5	6	18	0.18316	0.294763
5	6	19	3239	5212.67	5	6	19	0.18316	0.294763
5	6	20	3239	5212.668	5	6	20	0.18316	0.294763
5	6	21	3239	5212.668	5	6	21	0.18316	0.294763
5	6	22	3239	5212.668	5	6	22	0.18316	0.294763
5	6	23	3239	5212.668	5	6	23	0.18316	0.294763
5	6	24	3239	5212.668	5	6	24	0.18316	0.294763
5	8	1	397.032	638.9607	5	8	1	0.02765	0.044494
5	8	2	397.032	638.9607	5	8	2	0.02765	0.044494
5	8	3	397.032	638.9607	5	8	3	0.02765	0.044494
5	8	4	397.032	638.9607	5	8	4	0.02765	0.044494
5	8	5	397.032	638.9607	5	8	5	0.02765	0.044494
5	8	6	397.032	638.9607	5	8	6	0.02765	0.044494
5	8	7	397.032	638.9607	5	8	7	0.02765	0.044494
5	8	8	397.032	638.9607	5	8	8	0.02765	0.044494
5	8	9	397.032	638.9607	5	8	9	0.02765	0.044494
5	8	10	399.722	643.2909	5	8	10	0.02765	0.044494
5	8	11	403.113	648.7479	5	8	11	0.02765	0.044494
5	8	12	407.002	655.006	5	8	12	0.02765	0.044494
5	8	13	409.881	659.6401	5	8	13	0.02765	0.044494
5	8	14	412.562	663.9542	5	8	14	0.02765	0.044494
5	8	15	414.058	666.3621	5	8	15	0.02765	0.044494
5	8	16	413.438	665.3645	5	8	16	0.02765	0.044494
5	8	17	413.151	664.9019	5	8	17	0.02765	0.044494
5	8	18	412.139	663.274	5	8	18	0.02765	0.044494
5	8	19	408.842	657.9667	5	8	19	0.02765	0.044494
5	8	20	404.198	650.4942	5	8	20	0.02765	0.044494
5	8	21	397.781	640.1669	5	8	21	0.02765	0.044494
5	8	22	397.032	638.9607	5	8	22	0.02765	0.044494
5	8	23	397.032	638.9607	5	8	23	0.02765	0.044494
5	8	24	397.032	638.9607	5	8	24	0.02765	0.044494

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	11	1	367.408	591.2861	5	11	1	0.02516	0.040484
5	11	2	367.408	591.2861	5	11	2	0.02516	0.040484
5	11	3	367.408	591.2861	5	11	3	0.02516	0.040484
5	11	4	367.408	591.2861	5	11	4	0.02516	0.040484
5	11	5	367.408	591.2861	5	11	5	0.02516	0.040484
5	11	6	367.408	591.2861	5	11	6	0.02516	0.040484
5	11	7	367.408	591.2861	5	11	7	0.02516	0.040484
5	11	8	367.408	591.2861	5	11	8	0.02516	0.040484
5	11	9	367.408	591.2861	5	11	9	0.02516	0.040484
5	11	10	369.7	594.9738	5	11	10	0.02516	0.040484
5	11	11	372.587	599.6213	5	11	11	0.02516	0.040484
5	11	12	375.9	604.9522	5	11	12	0.02516	0.040484
5	11	13	378.353	608.8999	5	11	13	0.02516	0.040484
5	11	14	380.636	612.5744	5	11	14	0.02516	0.040484
5	11	15	381.911	614.6256	5	11	15	0.02516	0.040484
5	11	16	381.383	613.7758	5	11	16	0.02516	0.040484
5	11	17	381.138	613.3821	5	11	17	0.02516	0.040484
5	11	18	380.276	611.9952	5	11	18	0.02516	0.040484
5	11	19	377.467	607.4746	5	11	19	0.02516	0.040484
5	11	20	373.512	601.1089	5	11	20	0.02516	0.040484
5	11	21	368.046	592.3129	5	11	21	0.02516	0.040484
5	11	22	367.408	591.2861	5	11	22	0.02516	0.040484
5	11	23	367.408	591.2861	5	11	23	0.02516	0.040484
5	11	24	367.408	591.2861	5	11	24	0.02516	0.040484
5	7	1	417.397	671.7358	5	7	1	0.02917	0.046948
5	7	2	417.397	671.7358	5	7	2	0.02917	0.046948
5	7	3	417.397	671.7358	5	7	3	0.02917	0.046948
5	7	4	417.397	671.7358	5	7	4	0.02917	0.046948
5	7	5	417.397	671.7358	5	7	5	0.02917	0.046948
5	7	6	417.397	671.7358	5	7	6	0.02917	0.046948
5	7	7	417.397	671.7358	5	7	7	0.02917	0.046948
5	7	8	417.397	671.7358	5	7	8	0.02917	0.046948
5	7	9	417.397	671.7358	5	7	9	0.02917	0.046948
5	7	10	420.316	676.4336	5	7	10	0.02917	0.046948
5	7	11	423.993	682.3503	5	7	11	0.02917	0.046948
5	7	12	428.211	689.1384	5	7	12	0.02917	0.046948
5	7	13	431.334	694.1643	5	7	13	0.02917	0.046948
5	7	14	434.241	698.8433	5	7	14	0.02917	0.046948
5	7	15	435.864	701.4555	5	7	15	0.02917	0.046948
5	7	16	435.192	700.3736	5	7	16	0.02917	0.046948
5	7	17	434.88	699.8712	5	7	17	0.02917	0.046948
5	7	18	433.783	698.1059	5	7	18	0.02917	0.046948
5	7	19	430.206	692.3498	5	7	19	0.02917	0.046948
5	7	20	425.171	684.2463	5	7	20	0.02917	0.046948
5	7	21	418.211	673.0448	5	7	21	0.02917	0.046948
5	7	22	417.397	671.7358	5	7	22	0.02917	0.046948
5	7	23	417.397	671.7358	5	7	23	0.02917	0.046948
5	7	24	417.397	671.7358	5	7	24	0.02917	0.046948

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
1	0	1	0.103018	0.165791
1	0	2	0.103018	0.165791
1	0	3	0.103018	0.165791
1	0	4	0.103018	0.165791
1	0	5	0.103018	0.165791
1	0	6	0.103018	0.165791
1	0	7	0.103018	0.165791
1	0	8	0.103018	0.165791
1	0	9	0.103018	0.165791
1	0	10	0.103328	0.166291
1	0	11	0.10372	0.166921
1	0	12	0.104168	0.167643
1	0	13	0.104501	0.168178
1	0	14	0.10481	0.168675
1	0	15	0.104983	0.168954
1	0	16	0.104911	0.168839
1	0	17	0.104878	0.168785
1	0	18	0.104761	0.168597
1	0	19	0.104381	0.167985
1	0	20	0.103845	0.167122
1	0	21	0.103104	0.16593
1	0	22	0.103018	0.165791
1	0	23	0.103018	0.165791
1	0	24	0.103018	0.165791
2	1	1	0.067149	0.108066
2	1	2	0.067149	0.108066
2	1	3	0.067149	0.108066
2	1	4	0.067149	0.108066
2	1	5	0.067149	0.108066
2	1	6	0.067149	0.108066
2	1	7	0.067149	0.108066
2	1	8	0.067149	0.108066
2	1	9	0.067149	0.108066
2	1	10	0.06747	0.108583
2	1	11	0.067875	0.109233
2	1	12	0.068338	0.10998
2	1	13	0.068682	0.110533
2	1	14	0.069002	0.111047
2	1	15	0.06918	0.111334
2	1	16	0.069106	0.111215
2	1	17	0.069072	0.11116
2	1	18	0.068951	0.110966
2	1	19	0.068558	0.110333
2	1	20	0.068004	0.109442
2	1	21	0.067239	0.10821
2	1	22	0.067149	0.108066
2	1	23	0.067149	0.108066
2	1	24	0.067149	0.108066
2	5	1	0.012428	0.020001
2	5	2	0.012428	0.020001
2	5	3	0.012428	0.020001
2	5	4	0.012428	0.020001
2	5	5	0.012428	0.020001
2	5	6	0.012428	0.020001
2	5	7	0.012428	0.020001
2	5	8	0.012428	0.020001
2	5	9	0.012428	0.020001

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)			
RoadTypeID	AverageSpeedID	HourID	Helper_X	G/VKT CAR	G/VMT CAR
1	0	1	2 1 0 1	4.4710018	7.19538
1	0	2	2 1 0 2	4.4710018	7.19538
1	0	3	2 1 0 3	4.4710018	7.19538
1	0	4	2 1 0 4	4.4710018	7.19538
1	0	5	2 1 0 5	4.4710018	7.19538
1	0	6	2 1 0 6	4.4710018	7.19538
1	0	7	2 1 0 7	4.4710018	7.19538
1	0	8	2 1 0 8	4.4710018	7.19538
1	0	9	2 1 0 9	4.4710018	7.19538
1	0	10	2 1 0 10	4.4936197	7.2317798
1	0	11	2 1 0 11	4.5221046	7.277622
1	0	12	2 1 0 12	4.5547926	7.3302282
1	0	13	2 1 0 13	4.5789927	7.3691744
1	0	14	2 1 0 14	4.6015245	7.4054358
1	0	15	2 1 0 15	4.6141034	7.4256797
1	0	16	2 1 0 16	4.6088869	7.4172845
1	0	17	2 1 0 17	4.6064721	7.4133982
1	0	18	2 1 0 18	4.5979697	7.399715
1	0	19	2 1 0 19	4.5702531	7.3551094
1	0	20	2 1 0 20	4.5312324	7.2923116
1	0	21	2 1 0 21	4.4772962	7.2055097
1	0	22	2 1 0 22	4.4710018	7.19538
1	0	23	2 1 0 23	4.4710018	7.19538
1	0	24	2 1 0 24	4.4710018	7.19538
2	1	1	2 2 1 1	5.3626265	8.6303108
2	1	2	2 2 1 2	5.3626265	8.6303108
2	1	3	2 2 1 3	5.3626265	8.6303108
2	1	4	2 2 1 4	5.3626265	8.6303108
2	1	5	2 2 1 5	5.3626265	8.6303108
2	1	6	2 2 1 6	5.3626265	8.6303108
2	1	7	2 2 1 7	5.3626265	8.6303108
2	1	8	2 2 1 8	5.3626265	8.6303108
2	1	9	2 2 1 9	5.3626265	8.6303108
2	1	10	2 2 1 10	5.5111849	8.8693923
2	1	11	2 2 1 11	5.6983623	9.1706252
2	1	12	2 2 1 12	5.9130926	9.5162
2	1	13	2 2 1 13	6.0720587	9.7720313
2	1	14	2 2 1 14	6.2200828	10.010253
2	1	15	2 2 1 15	6.3027183	10.143242
2	1	16	2 2 1 16	6.2684733	10.08813
2	1	17	2 2 1 17	6.2526102	10.062601
2	1	18	2 2 1 18	6.1967587	9.9727165
2	1	19	2 2 1 19	6.0146787	9.679687
2	1	20	2 2 1 20	5.7583212	9.2671196
2	1	21	2 2 1 21	5.4040021	8.6968984
2	1	22	2 2 1 22	5.3626265	8.6303108
2	1	23	2 2 1 23	5.3626265	8.6303108
2	1	24	2 2 1 24	5.3626265	8.6303108
2	5	1	2 2 5 1	1.300059	2.0922422
2	5	2	2 2 5 2	1.300059	2.0922422
2	5	3	2 2 5 3	1.300059	2.0922422
2	5	4	2 2 5 4	1.300059	2.0922422
2	5	5	2 2 5 5	1.300059	2.0922422
2	5	6	2 2 5 6	1.300059	2.0922422
2	5	7	2 2 5 7	1.300059	2.0922422
2	5	8	2 2 5 8	1.300059	2.0922422
2	5	9	2 2 5 9	1.300059	2.0922422

AECOM

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	5	10	0.012504	0.020123
2	5	11	0.0126	0.020278
2	5	12	0.01271	0.020455
2	5	13	0.012792	0.020586
2	5	14	0.012868	0.020709
2	5	15	0.01291	0.020777
2	5	16	0.012893	0.020749
2	5	17	0.012885	0.020736
2	5	18	0.012856	0.020689
2	5	19	0.012762	0.020539
2	5	20	0.012631	0.020327
2	5	21	0.012449	0.020035
2	5	22	0.012428	0.020001
2	5	23	0.012428	0.020001
2	5	24	0.012428	0.020001
2	6	1	0.010376	0.016699
2	6	2	0.010376	0.016699
2	6	3	0.010376	0.016699
2	6	4	0.010376	0.016699
2	6	5	0.010376	0.016699
2	6	6	0.010376	0.016699
2	6	7	0.010376	0.016699
2	6	8	0.010376	0.016699
2	6	9	0.010376	0.016699
2	6	10	0.01044	0.016801
2	6	11	0.01052	0.01693
2	6	12	0.010612	0.017078
2	6	13	0.01068	0.017188
2	6	14	0.010744	0.01729
2	6	15	0.010779	0.017347
2	6	16	0.010764	0.017323
2	6	17	0.010757	0.017312
2	6	18	0.010734	0.017274
2	6	19	0.010656	0.017148
2	6	20	0.010546	0.016972
2	6	21	0.010394	0.016728
2	6	22	0.010376	0.016699
2	6	23	0.010376	0.016699
2	6	24	0.010376	0.016699
2	7	1	0.009029	0.014531
2	7	2	0.009029	0.014531
2	7	3	0.009029	0.014531
2	7	4	0.009029	0.014531
2	7	5	0.009029	0.014531
2	7	6	0.009029	0.014531
2	7	7	0.009029	0.014531
2	7	8	0.009029	0.014531
2	7	9	0.009029	0.014531
2	7	10	0.009084	0.01462
2	7	11	0.009153	0.014731
2	7	12	0.009232	0.014858
2	7	13	0.009291	0.014952
2	7	14	0.009346	0.01504
2	7	15	0.009376	0.015089
2	7	16	0.009363	0.015069
2	7	17	0.009358	0.01506
2	7	18	0.009337	0.015026

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)			
RoadTypeID	AverageSpeedID	HourID	Helper_X	G/VKT CAR	G/VMT CAR
2	5	10	2 2 5 10	1.3441451	2.1631918
2	5	11	2 2 5 11	1.3996836	2.2525724
2	5	12	2 2 5 12	1.4634029	2.3551187
2	5	13	2 2 5 13	1.5105683	2.431024
2	5	14	2 2 5 14	1.5544929	2.5017138
2	5	15	2 2 5 15	1.5790159	2.5411798
2	5	16	2 2 5 16	1.5688558	2.5248287
2	5	17	2 2 5 17	1.5641489	2.5172536
2	5	18	2 2 5 18	1.5475735	2.4905782
2	5	19	2 2 5 19	1.4935419	2.4036227
2	5	20	2 2 5 20	1.4174741	2.2812035
2	5	21	2 2 5 21	1.3123447	2.1120141
2	5	22	2 2 5 22	1.300059	2.0922422
2	5	23	2 2 5 23	1.300059	2.0922422
2	5	24	2 2 5 24	1.300059	2.0922422
2	6	1	2 2 6 1	1.1825784	1.9031755
2	6	2	2 2 6 2	1.1825784	1.9031755
2	6	3	2 2 6 3	1.1825784	1.9031755
2	6	4	2 2 6 4	1.1825784	1.9031755
2	6	5	2 2 6 5	1.1825784	1.9031755
2	6	6	2 2 6 6	1.1825784	1.9031755
2	6	7	2 2 6 7	1.1825784	1.9031755
2	6	8	2 2 6 8	1.1825784	1.9031755
2	6	9	2 2 6 9	1.1825784	1.9031755
2	6	10	2 2 6 10	1.2223358	1.9671587
2	6	11	2 2 6 11	1.2724266	2.0477721
2	6	12	2 2 6 12	1.3298951	2.1402587
2	6	13	2 2 6 13	1.3724345	2.2087193
2	6	14	2 2 6 14	1.4120483	2.2724715
2	6	15	2 2 6 15	1.4341653	2.3080654
2	6	16	2 2 6 16	1.4249986	2.293313
2	6	17	2 2 6 17	1.4207571	2.2864868
2	6	18	2 2 6 18	1.4058059	2.2624253
2	6	19	2 2 6 19	1.3570814	2.1840107
2	6	20	2 2 6 20	1.288473	2.0735963
2	6	21	2 2 6 21	1.1936525	1.9209975
2	6	22	2 2 6 22	1.1825784	1.9031755
2	6	23	2 2 6 23	1.1825784	1.9031755
2	6	24	2 2 6 24	1.1825784	1.9031755
2	7	1	2 2 7 1	1.1021546	1.7737458
2	7	2	2 2 7 2	1.1021546	1.7737458
2	7	3	2 2 7 3	1.1021546	1.7737458
2	7	4	2 2 7 4	1.1021546	1.7737458
2	7	5	2 2 7 5	1.1021546	1.7737458
2	7	6	2 2 7 6	1.1021546	1.7737458
2	7	7	2 2 7 7	1.1021546	1.7737458
2	7	8	2 2 7 8	1.1021546	1.7737458
2	7	9	2 2 7 9	1.1021546	1.7737458
2	7	10	2 2 7 10	1.1387746	1.83268
2	7	11	2 2 7 11	1.184913	1.9069326
2	7	12	2 2 7 12	1.2378477	1.9921228
2	7	13	2 2 7 13	1.2770318	2.0551834
2	7	14	2 2 7 14	1.3135255	2.1139145
2	7	15	2 2 7 15	1.3338891	2.1466865
2	7	16	2 2 7 16	1.3254519	2.1331081
2	7	17	2 2 7 17	1.3215406	2.1268135
2	7	18	2 2 7 18	1.3077686	2.1046495

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	7	19	0.00927	0.014918
2	7	20	0.009175	0.014766
2	7	21	0.009045	0.014556
2	7	22	0.009029	0.014531
2	7	23	0.009029	0.014531
2	7	24	0.009029	0.014531
2	12	1	0.005705	0.009181
2	12	2	0.005705	0.009181
2	12	3	0.005705	0.009181
2	12	4	0.005705	0.009181
2	12	5	0.005705	0.009181
2	12	6	0.005705	0.009181
2	12	7	0.005705	0.009181
2	12	8	0.005705	0.009181
2	12	9	0.005705	0.009181
2	12	10	0.005738	0.009234
2	12	11	0.00578	0.009302
2	12	12	0.005828	0.009379
2	12	13	0.005864	0.009437
2	12	14	0.005897	0.00949
2	12	15	0.005916	0.00952
2	12	16	0.005908	0.009508
2	12	17	0.005904	0.009502
2	12	18	0.005892	0.009482
2	12	19	0.005851	0.009416
2	12	20	0.005793	0.009323
2	12	21	0.005714	0.009196
2	12	22	0.005705	0.009181
2	12	23	0.005705	0.009181
2	12	24	0.005705	0.009181
2	13	1	0.005413	0.008711
2	13	2	0.005413	0.008711
2	13	3	0.005413	0.008711
2	13	4	0.005413	0.008711
2	13	5	0.005413	0.008711
2	13	6	0.005413	0.008711
2	13	7	0.005413	0.008711
2	13	8	0.005413	0.008711
2	13	9	0.005413	0.008711
2	13	10	0.005444	0.008762
2	13	11	0.005484	0.008826
2	13	12	0.00553	0.008899
2	13	13	0.005563	0.008953
2	13	14	0.005595	0.009004
2	13	15	0.005612	0.009032
2	13	16	0.005605	0.00902
2	13	17	0.005602	0.009015
2	13	18	0.00559	0.008996
2	13	19	0.005551	0.008934
2	13	20	0.005497	0.008846
2	13	21	0.005422	0.008725
2	13	22	0.005413	0.008711
2	13	23	0.005413	0.008711
2	13	24	0.005413	0.008711
2	15	1	0.005388	0.008671
2	15	2	0.005388	0.008671
2	15	3	0.005388	0.008671

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)			
RoadTypeID	AverageSpeedID	HourID	Helper_X	G/VKT CAR	G/VMT CAR
2	7	19	2 2 7 19	1.26289	2.0324245
2	7	20	2 2 7 20	1.1996948	1.9307217
2	7	21	2 2 7 21	1.1123546	1.7901612
2	7	22	2 2 7 22	1.1021546	1.7737458
2	7	23	2 2 7 23	1.1021546	1.7737458
2	7	24	2 2 7 24	1.1021546	1.7737458
2	12	1	2 2 12 1	0.9701077	1.561237
2	12	2	2 2 12 2	0.9701077	1.561237
2	12	3	2 2 12 3	0.9701077	1.561237
2	12	4	2 2 12 4	0.9701077	1.561237
2	12	5	2 2 12 5	0.9701077	1.561237
2	12	6	2 2 12 6	0.9701077	1.561237
2	12	7	2 2 12 7	0.9701077	1.561237
2	12	8	2 2 12 8	0.9701077	1.561237
2	12	9	2 2 12 9	0.9701077	1.561237
2	12	10	2 2 12 10	1.0002963	1.6098209
2	12	11	2 2 12 11	1.0383307	1.6710314
2	12	12	2 2 12 12	1.0819673	1.7412576
2	12	13	2 2 12 13	1.1142701	1.7932439
2	12	14	2 2 12 14	1.1443495	1.8416519
2	12	15	2 2 12 15	1.1611424	1.8686775
2	12	16	2 2 12 16	1.1541833	1.857478
2	12	17	2 2 12 17	1.1509587	1.8522885
2	12	18	2 2 12 18	1.1396081	1.8340215
2	12	19	2 2 12 19	1.102609	1.7744772
2	12	20	2 2 12 20	1.0505164	1.6906423
2	12	21	2 2 12 21	0.9785159	1.5747688
2	12	22	2 2 12 22	0.9701077	1.561237
2	12	23	2 2 12 23	0.9701077	1.561237
2	12	24	2 2 12 24	0.9701077	1.561237
2	13	1	2 2 13 1	0.9681242	1.5580449
2	13	2	2 2 13 2	0.9681242	1.5580449
2	13	3	2 2 13 3	0.9681242	1.5580449
2	13	4	2 2 13 4	0.9681242	1.5580449
2	13	5	2 2 13 5	0.9681242	1.5580449
2	13	6	2 2 13 6	0.9681242	1.5580449
2	13	7	2 2 13 7	0.968124	1.5580446
2	13	8	2 2 13 8	0.9681242	1.5580449
2	13	9	2 2 13 9	0.9681242	1.5580449
2	13	10	2 2 13 10	0.9981881	1.606428
2	13	11	2 2 13 11	1.0360666	1.6673876
2	13	12	2 2 13 12	1.0795226	1.7373232
2	13	13	2 2 13 13	1.1116922	1.7890952
2	13	14	2 2 13 14	1.1416488	1.8373057
2	13	15	2 2 13 15	1.1583719	1.8642189
2	13	16	2 2 13 16	1.1514408	1.8530643
2	13	17	2 2 13 17	1.1482289	1.8478953
2	13	18	2 2 13 18	1.1369266	1.829706
2	13	19	2 2 13 19	1.1000792	1.7704058
2	13	20	2 2 13 20	1.048202	1.6869176
2	13	21	2 2 13 21	0.9764984	1.5715219
2	13	22	2 2 13 22	0.9681242	1.5580449
2	13	23	2 2 13 23	0.9681242	1.5580449
2	13	24	2 2 13 24	0.9681242	1.5580449
2	15	1	2 2 15 1	1.1369696	1.8297752
2	15	2	2 2 15 2	1.1369696	1.8297752
2	15	3	2 2 15 3	1.1369696	1.8297752

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	15	4	0.005388	0.008671
2	15	5	0.005388	0.008671
2	15	6	0.005388	0.008671
2	15	7	0.005388	0.008671
2	15	8	0.005388	0.008671
2	15	9	0.005388	0.008671
2	15	10	0.00542	0.008723
2	15	11	0.005461	0.008789
2	15	12	0.005507	0.008863
2	15	13	0.005542	0.008919
2	15	14	0.005574	0.00897
2	15	15	0.005592	0.008999
2	15	16	0.005584	0.008987
2	15	17	0.005581	0.008982
2	15	18	0.005569	0.008962
2	15	19	0.005529	0.008899
2	15	20	0.005474	0.008809
2	15	21	0.005397	0.008686
2	15	22	0.005388	0.008671
2	15	23	0.005388	0.008671
2	15	24	0.005388	0.008671
3	7	1	0.009958	0.016027
3	7	2	0.009958	0.016027
3	7	3	0.009958	0.016027
3	7	4	0.009958	0.016027
3	7	5	0.009958	0.016027
3	7	6	0.009958	0.016027
3	7	7	0.009958	0.016027
3	7	8	0.009958	0.016027
3	7	9	0.009958	0.016027
3	7	10	0.010019	0.016123
3	7	11	0.010094	0.016245
3	7	12	0.010181	0.016385
3	7	13	0.010245	0.016488
3	7	14	0.010305	0.016584
3	7	15	0.010338	0.016638
3	7	16	0.010325	0.016616
3	7	17	0.010318	0.016605
3	7	18	0.010296	0.016569
3	7	19	0.010222	0.016451
3	7	20	0.010118	0.016284
3	7	21	0.009975	0.016054
3	7	22	0.009958	0.016027
3	7	23	0.009958	0.016027
3	7	24	0.009958	0.016027
3	8	1	0.008608	0.013852
3	8	2	0.008608	0.013852
3	8	3	0.008608	0.013852
3	8	4	0.008608	0.013852
3	8	5	0.008608	0.013852
3	8	6	0.008608	0.013852
3	8	7	0.008608	0.013852
3	8	8	0.008608	0.013852
3	8	9	0.008608	0.013852
3	8	10	0.008659	0.013935
3	8	11	0.008724	0.01404
3	8	12	0.008798	0.01416

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)			
RoadTypeID	AverageSpeedID	HourID	Helper_X	G/VKT CAR	G/VMT CAR
2	15	4	2 2 15 4	1.1369696	1.8297752
2	15	5	2 2 15 5	1.1369696	1.8297752
2	15	6	2 2 15 6	1.1369696	1.8297752
2	15	7	2 2 15 7	1.1369696	1.8297752
2	15	8	2 2 15 8	1.1369696	1.8297752
2	15	9	2 2 15 9	1.1369696	1.8297752
2	15	10	2 2 15 10	1.174056	1.88946
2	15	11	2 2 15 11	1.220784	1.9646615
2	15	12	2 2 15 12	1.2743932	2.0509371
2	15	13	2 2 15 13	1.314086	2.1148164
2	15	14	2 2 15 14	1.351039	2.1742865
2	15	15	2 2 15 15	1.3716672	2.2074845
2	15	16	2 2 15 16	1.3631177	2.1937253
2	15	17	2 2 15 17	1.3591575	2.1873519
2	15	18	2 2 15 18	1.345211	2.1649072
2	15	19	2 2 15 19	1.2997583	2.0917582
2	15	20	2 2 15 20	1.2357581	1.9887598
2	15	21	2 2 15 21	1.1472988	1.8463985
2	15	22	2 2 15 22	1.1369696	1.8297752
2	15	23	2 2 15 23	1.1369696	1.8297752
2	15	24	2 2 15 24	1.1369696	1.8297752
3	7	1	2 3 7 1	1.1952999	1.9236487
3	7	2	2 3 7 2	1.1952999	1.9236487
3	7	3	2 3 7 3	1.1952999	1.9236487
3	7	4	2 3 7 4	1.1952999	1.9236487
3	7	5	2 3 7 5	1.1952999	1.9236487
3	7	6	2 3 7 6	1.1952999	1.9236487
3	7	7	2 3 7 7	1.1952999	1.9236487
3	7	8	2 3 7 8	1.1952999	1.9236487
3	7	9	2 3 7 9	1.1952999	1.9236487
3	7	10	2 3 7 10	1.2359669	1.9890959
3	7	11	2 3 7 11	1.2872183	2.071577
3	7	12	2 3 7 12	1.3459968	2.1661719
3	7	13	2 3 7 13	1.3895205	2.2362165
3	7	14	2 3 7 14	1.4300469	2.3014373
3	7	15	2 3 7 15	1.4526741	2.3378523
3	7	16	2 3 7 16	1.4432931	2.322755
3	7	17	2 3 7 17	1.4389478	2.3157619
3	7	18	2 3 7 18	1.4236625	2.2911626
3	7	19	2 3 7 19	1.3738096	2.2109322
3	7	20	2 3 7 20	1.3036239	2.0979792
3	7	21	2 3 7 21	1.2066269	1.9418777
3	7	22	2 3 7 22	1.1952999	1.9236487
3	7	23	2 3 7 23	1.1952999	1.9236487
3	7	24	2 3 7 24	1.1952999	1.9236487
3	8	1	2 3 8 1	1.1181336	1.7994615
3	8	2	2 3 8 2	1.1181336	1.7994615
3	8	3	2 3 8 3	1.1181336	1.7994615
3	8	4	2 3 8 4	1.1181336	1.7994615
3	8	5	2 3 8 5	1.1181336	1.7994615
3	8	6	2 3 8 6	1.1181336	1.7994615
3	8	7	2 3 8 7	1.1181336	1.7994615
3	8	8	2 3 8 8	1.1181336	1.7994615
3	8	9	2 3 8 9	1.1181336	1.7994615
3	8	10	2 3 8 10	1.1552932	1.8592642
3	8	11	2 3 8 11	1.2021117	1.9346112
3	8	12	2 3 8 12	1.2558272	2.0210579

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
3	8	13	0.008854	0.014248
3	8	14	0.008905	0.014331
3	8	15	0.008934	0.014377
3	8	16	0.008922	0.014358
3	8	17	0.008916	0.014349
3	8	18	0.008897	0.014318
3	8	19	0.008834	0.014216
3	8	20	0.008745	0.014073
3	8	21	0.008622	0.013876
3	8	22	0.008608	0.013852
3	8	23	0.008608	0.013852
3	8	24	0.008608	0.013852
3	11	1	0.006111	0.009835
3	11	2	0.006111	0.009835
3	11	3	0.006111	0.009835
3	11	4	0.006111	0.009835
3	11	5	0.006111	0.009835
3	11	6	0.006111	0.009835
3	11	7	0.006111	0.009835
3	11	8	0.006111	0.009835
3	11	9	0.006111	0.009835
3	11	10	0.006146	0.009892
3	11	11	0.006191	0.009963
3	11	12	0.006241	0.010044
3	11	13	0.006279	0.010104
3	11	14	0.006314	0.010161
3	11	15	0.006333	0.010192
3	11	16	0.006325	0.010179
3	11	17	0.006321	0.010173
3	11	18	0.006308	0.010152
3	11	19	0.006265	0.010083
3	11	20	0.006205	0.009985
3	11	21	0.006121	0.009851
3	11	22	0.006111	0.009835
3	11	23	0.006111	0.009835
3	11	24	0.006111	0.009835

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)			
RoadTypeID	AverageSpeedID	HourID	Helper_X	G/VKT CAR	G/VMT CAR
3	8	13	2 3 8 13	1.2955889	2.0850482
3	8	14	2 3 8 14	1.3326206	2.1446449
3	8	15	2 3 8 15	1.3532858	2.1779024
3	8	16	2 3 8 16	1.3447201	2.1641172
3	8	17	2 3 8 17	1.3407538	2.1577341
3	8	18	2 3 8 18	1.3267829	2.1352502
3	8	19	2 3 8 19	1.2812352	2.0619482
3	8	20	2 3 8 20	1.2171123	1.9587523
3	8	21	2 3 8 21	1.1284828	1.8161171
3	8	22	2 3 8 22	1.1181336	1.7994615
3	8	23	2 3 8 23	1.1181336	1.7994615
3	8	24	2 3 8 24	1.1181336	1.7994615
3	11	1	2 3 11 1	0.9784068	1.5745931
3	11	2	2 3 11 2	0.9784068	1.5745931
3	11	3	2 3 11 3	0.9784068	1.5745931
3	11	4	2 3 11 4	0.9784068	1.5745931
3	11	5	2 3 11 5	0.9784068	1.5745931
3	11	6	2 3 11 6	0.9784068	1.5745931
3	11	7	2 3 11 7	0.9784068	1.5745931
3	11	8	2 3 11 8	0.9784068	1.5745931
3	11	9	2 3 11 9	0.9784068	1.5745931
3	11	10	2 3 11 10	1.0086381	1.6232456
3	11	11	2 3 11 11	1.0467264	1.6845428
3	11	12	2 3 11 12	1.0904242	1.7548677
3	11	13	2 3 11 13	1.1227731	1.8069281
3	11	14	2 3 11 14	1.1528935	1.8554023
3	11	15	2 3 11 15	1.1697109	1.8824672
3	11	16	2 3 11 16	1.1627418	1.8712515
3	11	17	2 3 11 17	1.1595122	1.866054
3	11	18	2 3 11 18	1.1481478	1.8477648
3	11	19	2 3 11 19	1.1110959	1.7881356
3	11	20	2 3 11 20	1.0589287	1.7041805
3	11	21	2 3 11 21	0.9868276	1.588145
3	11	22	2 3 11 22	0.9784068	1.5745931
3	11	23	2 3 11 23	0.9784068	1.5745931
3	11	24	2 3 11 24	0.9784068	1.5745931

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	6	1	16.93234	27.24996
5	6	2	16.93234	27.24996
5	6	3	16.93234	27.24996
5	6	4	16.93234	27.24996
5	6	5	16.93234	27.24996
5	6	6	16.93234	27.24996
5	6	7	16.93234	27.24996
5	6	8	16.93234	27.24996
5	6	9	16.93234	27.24996
5	6	10	16.93234	27.24996
5	6	11	16.93234	27.24996
5	6	12	16.93234	27.24996
5	6	13	16.93234	27.24996
5	6	14	16.93234	27.24996
5	6	15	16.93234	27.24996
5	6	16	16.93234	27.24996
5	6	17	16.93234	27.24996
5	6	18	16.93234	27.24996
5	6	19	16.93234	27.24996
5	6	20	16.93234	27.24996
5	6	21	16.93234	27.24996
5	6	22	16.93234	27.24996
5	6	23	16.93234	27.24996
5	6	24	16.93234	27.24996
5	8	1	0.008581	0.01381
5	8	2	0.008581	0.01381
5	8	3	0.008581	0.01381
5	8	4	0.008581	0.01381
5	8	5	0.008581	0.01381
5	8	6	0.008581	0.01381
5	8	7	0.008581	0.01381
5	8	8	0.008581	0.01381
5	8	9	0.008581	0.01381
5	8	10	0.008633	0.013894
5	8	11	0.008699	0.013999
5	8	12	0.008774	0.01412
5	8	13	0.00883	0.01421
5	8	14	0.008882	0.014294
5	8	15	0.008911	0.01434
5	8	16	0.008899	0.014321
5	8	17	0.008893	0.014312
5	8	18	0.008873	0.01428
5	8	19	0.00881	0.014178
5	8	20	0.00872	0.014033
5	8	21	0.008596	0.013834
5	8	22	0.008581	0.01381
5	8	23	0.008581	0.01381
5	8	24	0.008581	0.01381

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)			
RoadTypeID	AverageSpeedID	HourID	Helper_X	G/VKT CAR	G/VMT CAR
5	6	1	2 5 6 1	83.522062	134.41573
5	6	2	2 5 6 2	83.522062	134.41573
5	6	3	2 5 6 3	83.522062	134.41573
5	6	4	2 5 6 4	83.522062	134.41573
5	6	5	2 5 6 5	83.522062	134.41573
5	6	6	2 5 6 6	83.522062	134.41573
5	6	7	2 5 6 7	83.522062	134.41573
5	6	8	2 5 6 8	83.522062	134.41573
5	6	9	2 5 6 9	83.522062	134.41573
5	6	10	2 5 6 10	83.522062	134.41573
5	6	11	2 5 6 11	83.522062	134.41573
5	6	12	2 5 6 12	83.522062	134.41573
5	6	13	2 5 6 13	83.521452	134.41475
5	6	14	2 5 6 14	83.522062	134.41573
5	6	15	2 5 6 15	83.522062	134.41573
5	6	16	2 5 6 16	83.522062	134.41573
5	6	17	2 5 6 17	83.522062	134.41573
5	6	18	2 5 6 18	83.522062	134.41573
5	6	19	2 5 6 19	83.522062	134.41573
5	6	20	2 5 6 20	83.522062	134.41573
5	6	21	2 5 6 21	83.522062	134.41573
5	6	22	2 5 6 22	83.522062	134.41573
5	6	23	2 5 6 23	83.522062	134.41573
5	6	24	2 5 6 24	83.522062	134.41573
5	8	1	2 5 8 1	1.1170838	1.7977722
5	8	2	2 5 8 2	1.1170838	1.7977722
5	8	3	2 5 8 3	1.1170838	1.7977722
5	8	4	2 5 8 4	1.1170838	1.7977722
5	8	5	2 5 8 5	1.1170838	1.7977722
5	8	6	2 5 8 6	1.1170838	1.7977722
5	8	7	2 5 8 7	1.1170838	1.7977722
5	8	8	2 5 8 8	1.1170838	1.7977722
5	8	9	2 5 8 9	1.1170838	1.7977722
5	8	10	2 5 8 10	1.1544055	1.8578355
5	8	11	2 5 8 11	1.2014303	1.9335146
5	8	12	2 5 8 12	1.2553807	2.0203395
5	8	13	2 5 8 13	1.2953127	2.0846037
5	8	14	2 5 8 14	1.3325013	2.1444529
5	8	15	2 5 8 15	1.3532604	2.1778615
5	8	16	2 5 8 16	1.3446618	2.1640234
5	8	17	2 5 8 17	1.3406771	2.1576106
5	8	18	2 5 8 18	1.3266397	2.1350196
5	8	19	2 5 8 19	1.2808939	2.0613989
5	8	20	2 5 8 20	1.2164941	1.9577575
5	8	21	2 5 8 21	1.1274784	1.8145006
5	8	22	2 5 8 22	1.1170838	1.7977722
5	8	23	2 5 8 23	1.1170838	1.7977722
5	8	24	2 5 8 24	1.1170838	1.7977722

CAR Travel Emission Rate Calculation: GHG (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	11	1	0.006135	0.009874
5	11	2	0.006135	0.009874
5	11	3	0.006135	0.009874
5	11	4	0.006135	0.009874
5	11	5	0.006135	0.009874
5	11	6	0.006135	0.009874
5	11	7	0.006135	0.009874
5	11	8	0.006135	0.009874
5	11	9	0.006135	0.009874
5	11	10	0.006172	0.009932
5	11	11	0.006218	0.010006
5	11	12	0.00627	0.010091
5	11	13	0.006309	0.010153
5	11	14	0.006345	0.010212
5	11	15	0.006366	0.010244
5	11	16	0.006357	0.010231
5	11	17	0.006353	0.010225
5	11	18	0.00634	0.010203
5	11	19	0.006295	0.010131
5	11	20	0.006232	0.01003
5	11	21	0.006145	0.00989
5	11	22	0.006135	0.009874
5	11	23	0.006135	0.009874
5	11	24	0.006135	0.009874
5	7	1	0.009958	0.016027
5	7	2	0.009958	0.016027
5	7	3	0.009958	0.016027
5	7	4	0.009958	0.016027
5	7	5	0.009958	0.016027
5	7	6	0.009958	0.016027
5	7	7	0.009958	0.016027
5	7	8	0.009958	0.016027
5	7	9	0.009958	0.016027
5	7	10	0.010019	0.016123
5	7	11	0.010094	0.016245
5	7	12	0.010181	0.016385
5	7	13	0.010245	0.016488
5	7	14	0.010305	0.016584
5	7	15	0.010338	0.016638
5	7	16	0.010325	0.016616
5	7	17	0.010318	0.016605
5	7	18	0.010296	0.016569
5	7	19	0.010222	0.016451
5	7	20	0.010118	0.016284
5	7	21	0.009975	0.016054
5	7	22	0.009958	0.016027
5	7	23	0.009958	0.016027
5	7	24	0.009958	0.016027

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)			
RoadTypeID	AverageSpeedID	HourID	Helper_X	G/VKT CAR	G/VMT CAR
5	11	1	2 5 11 1	0.9888847	1.5914557
5	11	2	2 5 11 2	0.9888847	1.5914557
5	11	3	2 5 11 3	0.9888847	1.5914557
5	11	4	2 5 11 4	0.9888847	1.5914557
5	11	5	2 5 11 5	0.9888847	1.5914557
5	11	6	2 5 11 6	0.9888847	1.5914557
5	11	7	2 5 11 7	0.9888847	1.5914557
5	11	8	2 5 11 8	0.9888847	1.5914557
5	11	9	2 5 11 9	0.9888847	1.5914557
5	11	10	2 5 11 10	1.0200344	1.6415863
5	11	11	2 5 11 11	1.059281	1.7047476
5	11	12	2 5 11 12	1.1043059	1.7772081
5	11	13	2 5 11 13	1.1376379	1.8308508
5	11	14	2 5 11 14	1.168676	1.8808017
5	11	15	2 5 11 15	1.1860037	1.9086879
5	11	16	2 5 11 16	1.1788223	1.8971305
5	11	17	2 5 11 17	1.1754934	1.8917732
5	11	18	2 5 11 18	1.1637847	1.8729299
5	11	19	2 5 11 19	1.1256049	1.8114855
5	11	20	2 5 11 20	1.0718542	1.7249822
5	11	21	2 5 11 21	0.997561	1.6054187
5	11	22	2 5 11 22	0.9888847	1.5914557
5	11	23	2 5 11 23	0.9888847	1.5914557
5	11	24	2 5 11 24	0.9888847	1.5914557
5	7	1	2 5 7 1	1.1952999	1.9236487
5	7	2	2 5 7 2	1.1952999	1.9236487
5	7	3	2 5 7 3	1.1952999	1.9236487
5	7	4	2 5 7 4	1.1952999	1.9236487
5	7	5	2 5 7 5	1.1952999	1.9236487
5	7	6	2 5 7 6	1.1952999	1.9236487
5	7	7	2 5 7 7	1.1952999	1.9236487
5	7	8	2 5 7 8	1.1952999	1.9236487
5	7	9	2 5 7 9	1.1952999	1.9236487
5	7	10	2 5 7 10	1.2359669	1.9890959
5	7	11	2 5 7 11	1.2872183	2.071577
5	7	12	2 5 7 12	1.3459968	2.1661719
5	7	13	2 5 7 13	1.3895205	2.2362165
5	7	14	2 5 7 14	1.4300469	2.3014373
5	7	15	2 5 7 15	1.4526741	2.3378523
5	7	16	2 5 7 16	1.4432931	2.322755
5	7	17	2 5 7 17	1.4389478	2.3157619
5	7	18	2 5 7 18	1.4236625	2.2911626
5	7	19	2 5 7 19	1.3738096	2.2109322
5	7	20	2 5 7 20	1.3036239	2.0979792
5	7	21	2 5 7 21	1.2066269	1.9418777
5	7	22	2 5 7 22	1.1952999	1.9236487
5	7	23	2 5 7 23	1.1952999	1.9236487
5	7	24	2 5 7 24	1.1952999	1.9236487

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
1	0	1	1.6321	2.626604	1	0	1	0.001719	0.002767
1	0	2	1.63214	2.626677	1	0	2	0.001719	0.002767
1	0	3	1.63254	2.627325	1	0	3	0.001719	0.002767
1	0	4	1.63244	2.627154	1	0	4	0.001719	0.002767
1	0	5	1.63292	2.627923	1	0	5	0.001719	0.002767
1	0	6	1.63455	2.630554	1	0	6	0.001719	0.002767
1	0	7	1.63495	2.631201	1	0	7	0.001719	0.002767
1	0	8	1.63517	2.631556	1	0	8	0.001719	0.002767
1	0	9	1.63581	2.632584	1	0	9	0.001719	0.002767
1	0	10	1.68431	2.71063	1	0	10	0.001724	0.002775
1	0	11	2.03833	3.28038	1	0	11	0.001731	0.002786
1	0	12	2.44381	3.932934	1	0	12	0.001738	0.002798
1	0	13	2.75173	4.428472	1	0	13	0.001744	0.002807
1	0	14	3.02441	4.867319	1	0	14	0.001749	0.002815
1	0	15	3.18934	5.132746	1	0	15	0.001752	0.00282
1	0	16	3.13068	5.038337	1	0	16	0.001751	0.002818
1	0	17	3.09476	4.980531	1	0	17	0.00175	0.002817
1	0	18	2.9866	4.806467	1	0	18	0.001748	0.002814
1	0	19	2.63509	4.240768	1	0	19	0.001742	0.002803
1	0	20	2.14842	3.457545	1	0	20	0.001733	0.002789
1	0	21	1.63318	2.628352	1	0	21	0.001721	0.002769
1	0	22	1.63411	2.629845	1	0	22	0.001719	0.002767
1	0	23	1.63303	2.628108	1	0	23	0.001719	0.002767
1	0	24	1.63358	2.628988	1	0	24	0.001719	0.002767
2	1	1	0.85014	1.368164	2	1	1	0.007768	0.012502
2	1	2	0.85016	1.3682	2	1	2	0.007769	0.012504
2	1	3	0.85036	1.368519	2	1	3	0.007769	0.012503
2	1	4	0.85031	1.368433	2	1	4	0.00777	0.012505
2	1	5	0.85055	1.368824	2	1	5	0.007772	0.012508
2	1	6	0.85137	1.370146	2	1	6	0.007773	0.012509
2	1	7	0.85157	1.370464	2	1	7	0.00777	0.012504
2	1	8	0.85168	1.370648	2	1	8	0.007767	0.0125
2	1	9	0.852	1.371162	2	1	9	0.007767	0.0125
2	1	10	0.85167	1.370635	2	1	10	0.007779	0.012518
2	1	11	0.87729	1.411863	2	1	11	0.007793	0.012542
2	1	12	0.96775	1.557444	2	1	12	0.007812	0.012572
2	1	13	1.03757	1.669801	2	1	13	0.007827	0.012597
2	1	14	1.09741	1.766104	2	1	14	0.007844	0.012623
2	1	15	1.1353	1.827086	2	1	15	0.007853	0.012639
2	1	16	1.123	1.8073	2	1	16	0.00785	0.012633
2	1	17	1.11425	1.793204	2	1	17	0.007849	0.012632
2	1	18	1.0898	1.753871	2	1	18	0.007843	0.012622
2	1	19	1.01034	1.62598	2	1	19	0.007824	0.012591
2	1	20	0.90128	1.450473	2	1	20	0.007801	0.012554
2	1	21	0.85068	1.369044	2	1	21	0.007773	0.012509
2	1	22	0.85115	1.369791	2	1	22	0.007768	0.012501
2	1	23	0.85061	1.368921	2	1	23	0.007767	0.0125
2	1	24	0.85088	1.369363	2	1	24	0.007768	0.012501
2	5	1	0.14997	0.241356	2	5	1	0.001446	0.002328
2	5	2	0.14998	0.241362	2	5	2	0.001446	0.002328
2	5	3	0.15001	0.241416	2	5	3	0.001446	0.002328
2	5	4	0.15	0.241402	2	5	4	0.001447	0.002328
2	5	5	0.15004	0.241467	2	5	5	0.001447	0.002328
2	5	6	0.15018	0.241686	2	5	6	0.001447	0.002329
2	5	7	0.15021	0.241742	2	5	7	0.001446	0.002328
2	5	8	0.15023	0.241771	2	5	8	0.001446	0.002327
2	5	9	0.15028	0.241857	2	5	9	0.001446	0.002327

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
2	5	10	0.15023	0.24177	2	5	10	0.001449	0.002333
2	5	11	0.15014	0.241624	2	5	11	0.001454	0.002339
2	5	12	0.15006	0.241499	2	5	12	0.001459	0.002347
2	5	13	0.15002	0.241431	2	5	13	0.001462	0.002354
2	5	14	0.14997	0.241356	2	5	14	0.001466	0.00236
2	5	15	0.14985	0.241162	2	5	15	0.001469	0.002363
2	5	16	0.14986	0.241171	2	5	16	0.001468	0.002362
2	5	17	0.14987	0.241191	2	5	17	0.001467	0.002362
2	5	18	0.14997	0.241353	2	5	18	0.001466	0.002359
2	5	19	0.15002	0.241431	2	5	19	0.001461	0.002352
2	5	20	0.15002	0.241434	2	5	20	0.001455	0.002342
2	5	21	0.15006	0.241502	2	5	21	0.001447	0.002329
2	5	22	0.15014	0.241629	2	5	22	0.001446	0.002328
2	5	23	0.15005	0.241483	2	5	23	0.001446	0.002327
2	5	24	0.1501	0.241556	2	5	24	0.001446	0.002328
2	6	1	0.12447	0.200312	2	6	1	0.001242	0.001999
2	6	2	0.12447	0.200318	2	6	2	0.001242	0.001999
2	6	3	0.1245	0.200361	2	6	3	0.001242	0.001999
2	6	4	0.12449	0.20035	2	6	4	0.001242	0.001999
2	6	5	0.12452	0.200402	2	6	5	0.001242	0.001999
2	6	6	0.12463	0.200579	2	6	6	0.001242	0.001999
2	6	7	0.12466	0.200622	2	6	7	0.001242	0.001999
2	6	8	0.12468	0.200646	2	6	8	0.001242	0.001998
2	6	9	0.12472	0.200715	2	6	9	0.001242	0.001998
2	6	10	0.12467	0.200644	2	6	10	0.001245	0.002003
2	6	11	0.1246	0.200528	2	6	11	0.001248	0.002009
2	6	12	0.12454	0.200428	2	6	12	0.001253	0.002016
2	6	13	0.12451	0.200373	2	6	13	0.001256	0.002021
2	6	14	0.12447	0.200313	2	6	14	0.001259	0.002027
2	6	15	0.12437	0.200157	2	6	15	0.001261	0.00203
2	6	16	0.12438	0.200166	2	6	16	0.001261	0.002029
2	6	17	0.12439	0.200181	2	6	17	0.00126	0.002028
2	6	18	0.12447	0.200311	2	6	18	0.001259	0.002026
2	6	19	0.12451	0.200374	2	6	19	0.001255	0.00202
2	6	20	0.12451	0.200375	2	6	20	0.00125	0.002011
2	6	21	0.12454	0.20043	2	6	21	0.001243	0.002
2	6	22	0.1246	0.200531	2	6	22	0.001242	0.001999
2	6	23	0.12453	0.200414	2	6	23	0.001242	0.001998
2	6	24	0.12457	0.200474	2	6	24	0.001242	0.001999
2	7	1	0.10827	0.17425	2	7	1	0.001106	0.001781
2	7	2	0.10828	0.173244	2	7	2	0.001106	0.001781
2	7	3	0.1083	0.173279	2	7	3	0.001106	0.001781
2	7	4	0.10829	0.17327	2	7	4	0.001107	0.001781
2	7	5	0.10832	0.173313	2	7	5	0.001107	0.001781
2	7	6	0.10841	0.173461	2	7	6	0.001107	0.001781
2	7	7	0.10844	0.173497	2	7	7	0.001106	0.001781
2	7	8	0.10845	0.173518	2	7	8	0.001106	0.00178
2	7	9	0.10848	0.173574	2	7	9	0.001106	0.00178
2	7	10	0.10845	0.173516	2	7	10	0.001109	0.001785
2	7	11	0.10839	0.173419	2	7	11	0.001112	0.00179
2	7	12	0.10833	0.173335	2	7	12	0.001116	0.001796
2	7	13	0.10831	0.173289	2	7	13	0.001119	0.001801
2	7	14	0.10827	0.17324	2	7	14	0.001122	0.001806
2	7	15	0.10819	0.17311	2	7	15	0.001124	0.001809
2	7	16	0.1082	0.173116	2	7	16	0.001123	0.001808
2	7	17	0.10821	0.173129	2	7	17	0.001123	0.001807
2	7	18	0.10827	0.173237	2	7	18	0.001122	0.001806

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
2	7	19	0.10831	0.17329	2	7	19	0.001118	0.0018
2	7	20	0.10831	0.173291	2	7	20	0.001113	0.001792
2	7	21	0.10834	0.173338	2	7	21	0.001107	0.001782
2	7	22	0.10839	0.173421	2	7	22	0.001106	0.00178
2	7	23	0.10833	0.173323	2	7	23	0.001106	0.00178
2	7	24	0.10836	0.173373	2	7	24	0.001106	0.00178
2	12	1	0.06953	0.111897	2	12	1	0.00083	0.001335
2	12	2	0.06953	0.111899	2	12	2	0.00083	0.001335
2	12	3	0.06954	0.111918	2	12	3	0.00083	0.001335
2	12	4	0.06954	0.111913	2	12	4	0.00083	0.001335
2	12	5	0.06955	0.111935	2	12	5	0.00083	0.001335
2	12	6	0.0696	0.112011	2	12	6	0.00083	0.001335
2	12	7	0.06961	0.11203	2	12	7	0.00083	0.001335
2	12	8	0.06962	0.11204	2	12	8	0.00083	0.001335
2	12	9	0.06964	0.11207	2	12	9	0.00083	0.001335
2	12	10	0.06962	0.11204	2	12	10	0.000832	0.001338
2	12	11	0.06959	0.111989	2	12	11	0.000834	0.001342
2	12	12	0.06956	0.111946	2	12	12	0.000837	0.001347
2	12	13	0.06955	0.111922	2	12	13	0.000839	0.001351
2	12	14	0.06953	0.111897	2	12	14	0.000841	0.001354
2	12	15	0.06949	0.11183	2	12	15	0.000843	0.001356
2	12	16	0.06949	0.111833	2	12	16	0.000842	0.001355
2	12	17	0.06949	0.11184	2	12	17	0.000842	0.001355
2	12	18	0.06953	0.111896	2	12	18	0.000841	0.001354
2	12	19	0.06955	0.111923	2	12	19	0.000839	0.001349
2	12	20	0.06955	0.111923	2	12	20	0.000835	0.001344
2	12	21	0.06956	0.111947	2	12	21	0.00083	0.001336
2	12	22	0.06959	0.111991	2	12	22	0.00083	0.001335
2	12	23	0.06956	0.11194	2	12	23	0.00083	0.001335
2	12	24	0.06957	0.111966	2	12	24	0.00083	0.001335
2	13	1	0.06555	0.105491	2	13	1	0.000805	0.001295
2	13	2	0.06555	0.105493	2	13	2	0.000805	0.001295
2	13	3	0.06556	0.10551	2	13	3	0.000805	0.001295
2	13	4	0.06556	0.105506	2	13	4	0.000805	0.001295
2	13	5	0.06557	0.105526	2	13	5	0.000805	0.001296
2	13	6	0.06561	0.105595	2	13	6	0.000805	0.001296
2	13	7	0.06562	0.105612	2	13	7	0.000805	0.001295
2	13	8	0.06563	0.105622	2	13	8	0.000805	0.001295
2	13	9	0.06565	0.105649	2	13	9	0.000805	0.001295
2	13	10	0.06563	0.105621	2	13	10	0.000807	0.001298
2	13	11	0.0656	0.105575	2	13	11	0.000809	0.001302
2	13	12	0.06558	0.105536	2	13	12	0.000812	0.001307
2	13	13	0.06556	0.105515	2	13	13	0.000814	0.001311
2	13	14	0.06555	0.105492	2	13	14	0.000816	0.001314
2	13	15	0.06551	0.10543	2	13	15	0.000818	0.001316
2	13	16	0.06551	0.105433	2	13	16	0.000817	0.001315
2	13	17	0.06552	0.105439	2	13	17	0.000817	0.001315
2	13	18	0.06555	0.10549	2	13	18	0.000816	0.001314
2	13	19	0.06556	0.105515	2	13	19	0.000814	0.001309
2	13	20	0.06556	0.105516	2	13	20	0.00081	0.001304
2	13	21	0.06558	0.105537	2	13	21	0.000805	0.001296
2	13	22	0.0656	0.105577	2	13	22	0.000805	0.001295
2	13	23	0.06557	0.105531	2	13	23	0.000805	0.001295
2	13	24	0.06559	0.105554	2	13	24	0.000805	0.001295
2	15	1	0.06144	0.098871	2	15	1	0.000798	0.001284
2	15	2	0.06144	0.098873	2	15	2	0.000798	0.001284
2	15	3	0.06145	0.098888	2	15	3	0.000798	0.001284

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
2	15	4	0.06144	0.098884	2	15	4	0.000798	0.001284
2	15	5	0.06145	0.098902	2	15	5	0.000798	0.001284
2	15	6	0.06149	0.098964	2	15	6	0.000798	0.001284
2	15	7	0.0615	0.098979	2	15	7	0.000798	0.001284
2	15	8	0.06151	0.098987	2	15	8	0.000798	0.001284
2	15	9	0.06152	0.099011	2	15	9	0.000798	0.001284
2	15	10	0.06151	0.098986	2	15	10	0.0008	0.001287
2	15	11	0.06148	0.098946	2	15	11	0.000802	0.001291
2	15	12	0.06146	0.098911	2	15	12	0.000806	0.001296
2	15	13	0.06145	0.098892	2	15	13	0.000808	0.0013
2	15	14	0.06144	0.098871	2	15	14	0.00081	0.001304
2	15	15	0.0614	0.098817	2	15	15	0.000811	0.001306
2	15	16	0.0614	0.098819	2	15	16	0.000811	0.001305
2	15	17	0.06141	0.098825	2	15	17	0.000811	0.001305
2	15	18	0.06143	0.09887	2	15	18	0.00081	0.001303
2	15	19	0.06145	0.098892	2	15	19	0.000807	0.001299
2	15	20	0.06145	0.098893	2	15	20	0.000803	0.001293
2	15	21	0.06146	0.098912	2	15	21	0.000798	0.001285
2	15	22	0.06148	0.098947	2	15	22	0.000798	0.001284
2	15	23	0.06146	0.098906	2	15	23	0.000798	0.001284
2	15	24	0.06147	0.098927	2	15	24	0.000798	0.001284
3	7	1	0.11746	0.187938	3	7	1	0.001153	0.001856
3	7	2	0.11746	0.187943	3	7	2	0.001153	0.001856
3	7	3	0.11749	0.187983	3	7	3	0.001153	0.001856
3	7	4	0.11748	0.187972	3	7	4	0.001153	0.001856
3	7	5	0.11751	0.18802	3	7	5	0.001154	0.001856
3	7	6	0.11762	0.188184	3	7	6	0.001154	0.001856
3	7	7	0.11764	0.188225	3	7	7	0.001153	0.001856
3	7	8	0.11765	0.188248	3	7	8	0.001153	0.001856
3	7	9	0.11769	0.188311	3	7	9	0.001153	0.001856
3	7	10	0.11765	0.188247	3	7	10	0.001156	0.00186
3	7	11	0.11759	0.188138	3	7	11	0.00116	0.001866
3	7	12	0.11753	0.188045	3	7	12	0.001164	0.001874
3	7	13	0.1175	0.187993	3	7	13	0.001168	0.001879
3	7	14	0.11746	0.187939	3	7	14	0.001171	0.001884
3	7	15	0.11737	0.187794	3	7	15	0.001173	0.001887
3	7	16	0.11738	0.1878	3	7	16	0.001172	0.001886
3	7	17	0.11738	0.187815	3	7	17	0.001172	0.001886
3	7	18	0.11746	0.187935	3	7	18	0.001171	0.001884
3	7	19	0.1175	0.187994	3	7	19	0.001166	0.001877
3	7	20	0.1175	0.187996	3	7	20	0.001161	0.001869
3	7	21	0.11753	0.188047	3	7	21	0.001154	0.001857
3	7	22	0.11759	0.18814	3	7	22	0.001153	0.001856
3	7	23	0.11752	0.188032	3	7	23	0.001153	0.001856
3	7	24	0.11755	0.188087	3	7	24	0.001153	0.001856
3	8	1	0.10224	0.164532	3	8	1	0.001048	0.001686
3	8	2	0.10224	0.164536	3	8	2	0.001048	0.001686
3	8	3	0.10226	0.164569	3	8	3	0.001048	0.001686
3	8	4	0.10225	0.164561	3	8	4	0.001048	0.001686
3	8	5	0.10228	0.1646	3	8	5	0.001048	0.001686
3	8	6	0.10236	0.164737	3	8	6	0.001048	0.001686
3	8	7	0.10238	0.164772	3	8	7	0.001048	0.001686
3	8	8	0.1024	0.16479	3	8	8	0.001047	0.001686
3	8	9	0.10243	0.164843	3	8	9	0.001047	0.001686
3	8	10	0.1024	0.164789	3	8	10	0.00105	0.00169
3	8	11	0.10234	0.164699	3	8	11	0.001053	0.001695
3	8	12	0.10229	0.16462	3	8	12	0.001057	0.001702

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
3	8	13	0.10226	0.164578	3	8	13	0.00106	0.001707
3	8	14	0.10224	0.164533	3	8	14	0.001063	0.001711
3	8	15	0.10216	0.164412	3	8	15	0.001065	0.001714
3	8	16	0.10216	0.164418	3	8	16	0.001064	0.001713
3	8	17	0.10217	0.164429	3	8	17	0.001064	0.001713
3	8	18	0.10223	0.16453	3	8	18	0.001063	0.001711
3	8	19	0.10226	0.164579	3	8	19	0.001059	0.001705
3	8	20	0.10226	0.164579	3	8	20	0.001055	0.001697
3	8	21	0.10229	0.164623	3	8	21	0.001048	0.001687
3	8	22	0.10234	0.164701	3	8	22	0.001047	0.001686
3	8	23	0.10228	0.16461	3	8	23	0.001047	0.001686
3	8	24	0.10231	0.164657	3	8	24	0.001047	0.001686
3	11	1	0.07494	0.119897	3	11	1	0.000862	0.001387
3	11	2	0.07494	0.1199	3	11	2	0.000862	0.001387
3	11	3	0.07495	0.11992	3	11	3	0.000862	0.001387
3	11	4	0.07495	0.119915	3	11	4	0.000862	0.001387
3	11	5	0.07496	0.119939	3	11	5	0.000862	0.001387
3	11	6	0.07501	0.120024	3	11	6	0.000862	0.001387
3	11	7	0.07503	0.120044	3	11	7	0.000862	0.001387
3	11	8	0.07503	0.120056	3	11	8	0.000862	0.001387
3	11	9	0.07506	0.120089	3	11	9	0.000862	0.001387
3	11	10	0.07503	0.120055	3	11	10	0.000864	0.00139
3	11	11	0.075	0.12	3	11	11	0.000866	0.001394
3	11	12	0.07497	0.119952	3	11	12	0.000869	0.001399
3	11	13	0.07495	0.119926	3	11	13	0.000872	0.001403
3	11	14	0.07494	0.119897	3	11	14	0.000874	0.001407
3	11	15	0.07489	0.119823	3	11	15	0.000875	0.001409
3	11	16	0.07489	0.119827	3	11	16	0.000875	0.001408
3	11	17	0.0749	0.119834	3	11	17	0.000875	0.001408
3	11	18	0.07493	0.119896	3	11	18	0.000874	0.001406
3	11	19	0.07495	0.119927	3	11	19	0.000871	0.001402
3	11	20	0.07495	0.119927	3	11	20	0.000867	0.001396
3	11	21	0.07497	0.119953	3	11	21	0.000862	0.001388
3	11	22	0.075	0.120001	3	11	22	0.000862	0.001387
3	11	23	0.07497	0.119946	3	11	23	0.000862	0.001387
3	11	24	0.07498	0.119974	3	11	24	0.000862	0.001387

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	6	1	8.44125	13.58487	5	6	1	0.053011	0.085313
5	6	2	8.44141	13.58514	5	6	2	0.052879	0.085101
5	6	3	8.44237	13.58668	5	6	3	0.052704	0.084819
5	6	4	8.4421	13.58624	5	6	4	0.05264	0.084716
5	6	5	8.4433	13.58818	5	6	5	0.052596	0.084645
5	6	6	8.44735	13.59469	5	6	6	0.052611	0.08467
5	6	7	8.44831	13.59623	5	6	7	0.052597	0.084647
5	6	8	8.44887	13.59714	5	6	8	0.0526	0.084652
5	6	9	8.45046	13.5997	5	6	9	0.05263	0.0847
5	6	10	8.44886	13.59712	5	6	10	0.052691	0.084798
5	6	11	8.44621	13.59286	5	6	11	0.052763	0.084914
5	6	12	8.44388	13.5891	5	6	12	0.05285	0.085054
5	6	13	8.44264	13.58712	5	6	13	0.052857	0.085066
5	6	14	8.44125	13.58488	5	6	14	0.052821	0.085007
5	6	15	8.43774	13.57923	5	6	15	0.05283	0.085021
5	6	16	8.43786	13.57943	5	6	16	0.052883	0.085107
5	6	17	8.43823	13.58001	5	6	17	0.052927	0.085178
5	6	18	8.44123	13.58484	5	6	18	0.052914	0.085156
5	6	19	8.44265	13.58713	5	6	19	0.052924	0.085173
5	6	20	8.44266	13.58715	5	6	20	0.052914	0.085157
5	6	21	8.44396	13.58924	5	6	21	0.052949	0.085214
5	6	22	8.44624	13.5929	5	6	22	0.052959	0.08523
5	6	23	8.44359	13.58864	5	6	23	0.052938	0.085196
5	6	24	8.44492	13.59078	5	6	24	0.052977	0.085258
5	8	1	0.10216	0.164406	5	8	1	0.001046	0.001684
5	8	2	0.10216	0.16441	5	8	2	0.001047	0.001684
5	8	3	0.10218	0.164443	5	8	3	0.001047	0.001684
5	8	4	0.10218	0.164435	5	8	4	0.001047	0.001684
5	8	5	0.1022	0.164474	5	8	5	0.001047	0.001685
5	8	6	0.10229	0.164612	5	8	6	0.001047	0.001685
5	8	7	0.10231	0.164647	5	8	7	0.001047	0.001684
5	8	8	0.10232	0.164664	5	8	8	0.001046	0.001684
5	8	9	0.10235	0.164718	5	8	9	0.001046	0.001684
5	8	10	0.10232	0.164664	5	8	10	0.001049	0.001688
5	8	11	0.10226	0.164573	5	8	11	0.001052	0.001694
5	8	12	0.10221	0.164495	5	8	12	0.001056	0.0017
5	8	13	0.10219	0.164452	5	8	13	0.001059	0.001705
5	8	14	0.10216	0.164406	5	8	14	0.001062	0.00171
5	8	15	0.10208	0.164286	5	8	15	0.001064	0.001712
5	8	16	0.10209	0.164292	5	8	16	0.001063	0.001711
5	8	17	0.10209	0.164303	5	8	17	0.001063	0.001711
5	8	18	0.10216	0.164404	5	8	18	0.001062	0.001709
5	8	19	0.10219	0.164453	5	8	19	0.001058	0.001703
5	8	20	0.10219	0.164454	5	8	20	0.001054	0.001696
5	8	21	0.10221	0.164498	5	8	21	0.001047	0.001685
5	8	22	0.10226	0.164575	5	8	22	0.001046	0.001684
5	8	23	0.10221	0.164484	5	8	23	0.001046	0.001684
5	8	24	0.10223	0.164531	5	8	24	0.001046	0.001684

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
			G/VKT	G/VMT				G/VKT	G/VMT
RoadTypeID	AverageSpeedID	HourID	CAR	CAR	RoadTypeID	AverageSpeedID	HourID	CAR	CAR
5	11	1	0.07475	0.120304	5	11	1	0.000862	0.001388
5	11	2	0.07475	0.120306	5	11	2	0.000863	0.001388
5	11	3	0.07477	0.120327	5	11	3	0.000863	0.001388
5	11	4	0.07476	0.120321	5	11	4	0.000863	0.001388
5	11	5	0.07478	0.120346	5	11	5	0.000863	0.001388
5	11	6	0.07483	0.120432	5	11	6	0.000863	0.001388
5	11	7	0.07485	0.120453	5	11	7	0.000863	0.001388
5	11	8	0.07485	0.120465	5	11	8	0.000862	0.001388
5	11	9	0.07487	0.120498	5	11	9	0.000862	0.001388
5	11	10	0.07485	0.120464	5	11	10	0.000865	0.001391
5	11	11	0.07482	0.120408	5	11	11	0.000867	0.001396
5	11	12	0.07479	0.120359	5	11	12	0.00087	0.001401
5	11	13	0.07477	0.120332	5	11	13	0.000873	0.001404
5	11	14	0.07475	0.120304	5	11	14	0.000875	0.001408
5	11	15	0.07471	0.120228	5	11	15	0.000876	0.00141
5	11	16	0.07471	0.120232	5	11	16	0.000876	0.00141
5	11	17	0.07471	0.120239	5	11	17	0.000876	0.001409
5	11	18	0.07475	0.120302	5	11	18	0.000875	0.001408
5	11	19	0.07477	0.120333	5	11	19	0.000872	0.001403
5	11	20	0.07477	0.120334	5	11	20	0.000868	0.001397
5	11	21	0.07479	0.120361	5	11	21	0.000863	0.001389
5	11	22	0.07482	0.120409	5	11	22	0.000862	0.001388
5	11	23	0.07478	0.120353	5	11	23	0.000862	0.001388
5	11	24	0.0748	0.120382	5	11	24	0.000862	0.001388
5	7	1	0.11746	0.189036	5	7	1	0.001153	0.001856
5	7	2	0.11746	0.189041	5	7	2	0.001153	0.001856
5	7	3	0.11749	0.189081	5	7	3	0.001153	0.001856
5	7	4	0.11748	0.18907	5	7	4	0.001153	0.001856
5	7	5	0.11751	0.189118	5	7	5	0.001154	0.001856
5	7	6	0.11762	0.189283	5	7	6	0.001154	0.001856
5	7	7	0.11764	0.189324	5	7	7	0.001153	0.001856
5	7	8	0.11765	0.189347	5	7	8	0.001153	0.001856
5	7	9	0.11769	0.189411	5	7	9	0.001153	0.001856
5	7	10	0.11765	0.189346	5	7	10	0.001156	0.00186
5	7	11	0.11759	0.189236	5	7	11	0.00116	0.001866
5	7	12	0.11753	0.189143	5	7	12	0.001164	0.001874
5	7	13	0.1175	0.189091	5	7	13	0.001168	0.001879
5	7	14	0.11746	0.189037	5	7	14	0.001171	0.001884
5	7	15	0.11737	0.188891	5	7	15	0.001173	0.001887
5	7	16	0.11738	0.188897	5	7	16	0.001172	0.001886
5	7	17	0.11738	0.188911	5	7	17	0.001172	0.001886
5	7	18	0.11746	0.189032	5	7	18	0.001171	0.001884
5	7	19	0.1175	0.189092	5	7	19	0.001166	0.001877
5	7	20	0.1175	0.189094	5	7	20	0.001161	0.001869
5	7	21	0.11753	0.189145	5	7	21	0.001154	0.001857
5	7	22	0.11759	0.189239	5	7	22	0.001153	0.001856
5	7	23	0.11752	0.189131	5	7	23	0.001153	0.001856
5	7	24	0.11755	0.189186	5	7	24	0.001153	0.001856

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
1	0	1	0	0	1	0	1	0.00416	0.0067
1	0	2	0	0	1	0	2	0.00416	0.0067
1	0	3	0	0	1	0	3	0.00416	0.0067
1	0	4	0	0	1	0	4	0.00416	0.0067
1	0	5	0	0	1	0	5	0.00416	0.0067
1	0	6	0	0	1	0	6	0.00416	0.0067
1	0	7	0	0	1	0	7	0.00416	0.0067
1	0	8	0	0	1	0	8	0.00416	0.0067
1	0	9	0	0	1	0	9	0.00416	0.0067
1	0	10	0	0	1	0	10	0.00418	0.00672
1	0	11	0	0	1	0	11	0.00419	0.00675
1	0	12	0	0	1	0	12	0.00421	0.00677
1	0	13	0	0	1	0	13	0.00422	0.0068
1	0	14	0	0	1	0	14	0.00424	0.00682
1	0	15	0	0	1	0	15	0.00424	0.00683
1	0	16	0	0	1	0	16	0.00424	0.00682
1	0	17	0	0	1	0	17	0.00424	0.00682
1	0	18	0	0	1	0	18	0.00423	0.00681
1	0	19	0	0	1	0	19	0.00422	0.00679
1	0	20	0	0	1	0	20	0.0042	0.00675
1	0	21	0	0	1	0	21	0.00417	0.00671
1	0	22	0	0	1	0	22	0.00416	0.0067
1	0	23	0	0	1	0	23	0.00416	0.0067
1	0	24	0	0	1	0	24	0.00416	0.0067
2	1	1	0	0	2	1	1	0.00356	0.00572
2	1	2	0	0	2	1	2	0.00356	0.00572
2	1	3	0	0	2	1	3	0.00356	0.00572
2	1	4	0	0	2	1	4	0.00356	0.00572
2	1	5	0	0	2	1	5	0.00356	0.00572
2	1	6	0	0	2	1	6	0.00356	0.00572
2	1	7	0	0	2	1	7	0.00356	0.00572
2	1	8	0	0	2	1	8	0.00356	0.00572
2	1	9	0	0	2	1	9	0.00356	0.00572
2	1	10	0	0	2	1	10	0.00357	0.00574
2	1	11	0	0	2	1	11	0.00358	0.00577
2	1	12	0	0	2	1	12	0.0036	0.0058
2	1	13	0	0	2	1	13	0.00362	0.00582
2	1	14	0	0	2	1	14	0.00363	0.00584
2	1	15	0	0	2	1	15	0.00364	0.00585
2	1	16	0	0	2	1	16	0.00363	0.00585
2	1	17	0	0	2	1	17	0.00363	0.00585
2	1	18	0	0	2	1	18	0.00363	0.00584
2	1	19	0	0	2	1	19	0.00361	0.00581
2	1	20	0	0	2	1	20	0.00359	0.00578
2	1	21	0	0	2	1	21	0.00356	0.00573
2	1	22	0	0	2	1	22	0.00356	0.00572
2	1	23	0	0	2	1	23	0.00356	0.00572
2	1	24	0	0	2	1	24	0.00356	0.00572
2	5	1	0	0	2	5	1	0.00064	0.00103
2	5	2	0	0	2	5	2	0.00064	0.00103
2	5	3	0	0	2	5	3	0.00064	0.00103
2	5	4	0	0	2	5	4	0.00064	0.00103
2	5	5	0	0	2	5	5	0.00064	0.00103
2	5	6	0	0	2	5	6	0.00064	0.00103
2	5	7	0	0	2	5	7	0.00064	0.00103
2	5	8	0	0	2	5	8	0.00064	0.00103
2	5	9	0	0	2	5	9	0.00064	0.00103

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	5	10	0	0	2	5	10	0.00064	0.00103
2	5	11	0	0	2	5	11	0.00065	0.00104
2	5	12	0	0	2	5	12	0.00065	0.00105
2	5	13	0	0	2	5	13	0.00065	0.00105
2	5	14	0	0	2	5	14	0.00066	0.00106
2	5	15	0	0	2	5	15	0.00066	0.00106
2	5	16	0	0	2	5	16	0.00066	0.00106
2	5	17	0	0	2	5	17	0.00066	0.00106
2	5	18	0	0	2	5	18	0.00066	0.00105
2	5	19	0	0	2	5	19	0.00065	0.00105
2	5	20	0	0	2	5	20	0.00065	0.00104
2	5	21	0	0	2	5	21	0.00064	0.00103
2	5	22	0	0	2	5	22	0.00064	0.00103
2	5	23	0	0	2	5	23	0.00064	0.00103
2	5	24	0	0	2	5	24	0.00064	0.00103
2	6	1	0		2	6	1	0.00053	0.00086
2	6	2	0		2	6	2	0.00053	0.00086
2	6	3	0		2	6	3	0.00053	0.00086
2	6	4	0		2	6	4	0.00053	0.00086
2	6	5	0		2	6	5	0.00053	0.00086
2	6	6	0		2	6	6	0.00053	0.00086
2	6	7	0		2	6	7	0.00053	0.00086
2	6	8	0		2	6	8	0.00053	0.00086
2	6	9	0		2	6	9	0.00053	0.00086
2	6	10	0		2	6	10	0.00054	0.00086
2	6	11	0		2	6	11	0.00054	0.00087
2	6	12	0		2	6	12	0.00054	0.00088
2	6	13	0		2	6	13	0.00055	0.00088
2	6	14	0		2	6	14	0.00055	0.00088
2	6	15	0		2	6	15	0.00055	0.00089
2	6	16	0		2	6	16	0.00055	0.00088
2	6	17	0		2	6	17	0.00055	0.00088
2	6	18	0		2	6	18	0.00055	0.00088
2	6	19	0		2	6	19	0.00055	0.00088
2	6	20	0		2	6	20	0.00054	0.00087
2	6	21	0		2	6	21	0.00054	0.00086
2	6	22	0		2	6	22	0.00053	0.00086
2	6	23	0		2	6	23	0.00053	0.00086
2	6	24	0		2	6	24	0.00053	0.00086
2	7	1	0	0	2	7	1	0.00047	0.00075
2	7	2	0	0	2	7	2	0.00047	0.00075
2	7	3	0	0	2	7	3	0.00047	0.00075
2	7	4	0	0	2	7	4	0.00047	0.00075
2	7	5	0	0	2	7	5	0.00047	0.00075
2	7	6	0	0	2	7	6	0.00047	0.00075
2	7	7	0	0	2	7	7	0.00047	0.00075
2	7	8	0	0	2	7	8	0.00047	0.00075
2	7	9	0	0	2	7	9	0.00047	0.00075
2	7	10	0	0	2	7	10	0.00047	0.00075
2	7	11	0	0	2	7	11	0.00047	0.00076
2	7	12	0	0	2	7	12	0.00047	0.00076
2	7	13	0	0	2	7	13	0.00048	0.00077
2	7	14	0	0	2	7	14	0.00048	0.00077
2	7	15	0	0	2	7	15	0.00048	0.00077
2	7	16	0	0	2	7	16	0.00048	0.00077
2	7	17	0	0	2	7	17	0.00048	0.00077
2	7	18	0	0	2	7	18	0.00048	0.00077

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	7	19	0	0	2	7	19	0.00048	0.00076
2	7	20	0	0	2	7	20	0.00047	0.00076
2	7	21	0	0	2	7	21	0.00047	0.00075
2	7	22	0	0	2	7	22	0.00047	0.00075
2	7	23	0	0	2	7	23	0.00047	0.00075
2	7	24	0	0	2	7	24	0.00047	0.00075
2	12	1	0	0	2	12	1	0.00031	0.0005
2	12	2	0	0	2	12	2	0.00031	0.0005
2	12	3	0	0	2	12	3	0.00031	0.0005
2	12	4	0	0	2	12	4	0.00031	0.0005
2	12	5	0	0	2	12	5	0.00031	0.0005
2	12	6	0	0	2	12	6	0.00031	0.0005
2	12	7	0	0	2	12	7	0.00031	0.0005
2	12	8	0	0	2	12	8	0.00031	0.0005
2	12	9	0	0	2	12	9	0.00031	0.0005
2	12	10	0	0	2	12	10	0.00031	0.0005
2	12	11	0	0	2	12	11	0.00031	0.0005
2	12	12	0	0	2	12	12	0.00031	0.0005
2	12	13	0	0	2	12	13	0.00031	0.00051
2	12	14	0	0	2	12	14	0.00032	0.00051
2	12	15	0	0	2	12	15	0.00032	0.00051
2	12	16	0	0	2	12	16	0.00032	0.00051
2	12	17	0	0	2	12	17	0.00032	0.00051
2	12	18	0	0	2	12	18	0.00032	0.00051
2	12	19	0	0	2	12	19	0.00031	0.00051
2	12	20	0	0	2	12	20	0.00031	0.0005
2	12	21	0	0	2	12	21	0.00031	0.0005
2	12	22	0	0	2	12	22	0.00031	0.0005
2	12	23	0	0	2	12	23	0.00031	0.0005
2	12	24	0	0	2	12	24	0.00031	0.0005
2	13	1	0	0	2	13	1	0.0003	0.00048
2	13	2	0	0	2	13	2	0.0003	0.00048
2	13	3	0	0	2	13	3	0.0003	0.00048
2	13	4	0	0	2	13	4	0.0003	0.00048
2	13	5	0	0	2	13	5	0.0003	0.00048
2	13	6	0	0	2	13	6	0.0003	0.00048
2	13	7	0	0	2	13	7	0.0003	0.00048
2	13	8	0	0	2	13	8	0.0003	0.00048
2	13	9	0	0	2	13	9	0.0003	0.00048
2	13	10	0	0	2	13	10	0.0003	0.00048
2	13	11	0	0	2	13	11	0.0003	0.00048
2	13	12	0	0	2	13	12	0.0003	0.00048
2	13	13	0	0	2	13	13	0.0003	0.00048
2	13	14	0	0	2	13	14	0.0003	0.00049
2	13	15	0	0	2	13	15	0.0003	0.00049
2	13	16	0	0	2	13	16	0.0003	0.00049
2	13	17	0	0	2	13	17	0.0003	0.00049
2	13	18	0	0	2	13	18	0.0003	0.00049
2	13	19	0	0	2	13	19	0.0003	0.00048
2	13	20	0	0	2	13	20	0.0003	0.00048
2	13	21	0	0	2	13	21	0.0003	0.00048
2	13	22	0	0	2	13	22	0.0003	0.00048
2	13	23	0	0	2	13	23	0.0003	0.00048
2	13	24	0	0	2	13	24	0.0003	0.00048
2	15	1	0	0	2	15	1	0.00029	0.00046
2	15	2	0	0	2	15	2	0.00029	0.00046
2	15	3	0	0	2	15	3	0.00029	0.00046

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	15	4	0	0	2	15	4	0.00029	0.00046
2	15	5	0	0	2	15	5	0.00029	0.00046
2	15	6	0	0	2	15	6	0.00029	0.00046
2	15	7	0	0	2	15	7	0.00029	0.00046
2	15	8	0	0	2	15	8	0.00029	0.00046
2	15	9	0	0	2	15	9	0.00029	0.00046
2	15	10	0	0	2	15	10	0.00029	0.00047
2	15	11	0	0	2	15	11	0.00029	0.00047
2	15	12	0	0	2	15	12	0.00029	0.00047
2	15	13	0	0	2	15	13	0.00029	0.00047
2	15	14	0	0	2	15	14	0.0003	0.00047
2	15	15	0	0	2	15	15	0.0003	0.00048
2	15	16	0	0	2	15	16	0.0003	0.00048
2	15	17	0	0	2	15	17	0.0003	0.00048
2	15	18	0	0	2	15	18	0.00029	0.00047
2	15	19	0	0	2	15	19	0.00029	0.00047
2	15	20	0	0	2	15	20	0.00029	0.00047
2	15	21	0	0	2	15	21	0.00029	0.00046
2	15	22	0	0	2	15	22	0.00029	0.00046
2	15	23	0	0	2	15	23	0.00029	0.00046
2	15	24	0	0	2	15	24	0.00029	0.00046
3	7	1	0	0	3	7	1	0.0005	0.0008
3	7	2	0	0	3	7	2	0.0005	0.0008
3	7	3	0	0	3	7	3	0.0005	0.0008
3	7	4	0	0	3	7	4	0.0005	0.0008
3	7	5	0	0	3	7	5	0.0005	0.0008
3	7	6	0	0	3	7	6	0.0005	0.0008
3	7	7	0	0	3	7	7	0.0005	0.0008
3	7	8	0	0	3	7	8	0.0005	0.0008
3	7	9	0	0	3	7	9	0.0005	0.0008
3	7	10	0	0	3	7	10	0.0005	0.00081
3	7	11	0	0	3	7	11	0.0005	0.00081
3	7	12	0	0	3	7	12	0.00051	0.00082
3	7	13	0	0	3	7	13	0.00051	0.00082
3	7	14	0	0	3	7	14	0.00051	0.00082
3	7	15	0	0	3	7	15	0.00051	0.00083
3	7	16	0	0	3	7	16	0.00051	0.00082
3	7	17	0	0	3	7	17	0.00051	0.00082
3	7	18	0	0	3	7	18	0.00051	0.00082
3	7	19	0	0	3	7	19	0.00051	0.00082
3	7	20	0	0	3	7	20	0.0005	0.00081
3	7	21	0	0	3	7	21	0.0005	0.0008
3	7	22	0	0	3	7	22	0.0005	0.0008
3	7	23	0	0	3	7	23	0.0005	0.0008
3	7	24	0	0	3	7	24	0.0005	0.0008
3	8	1	0	0	3	8	1	0.00044	0.0007
3	8	2	0	0	3	8	2	0.00044	0.0007
3	8	3	0	0	3	8	3	0.00044	0.0007
3	8	4	0	0	3	8	4	0.00044	0.0007
3	8	5	0	0	3	8	5	0.00044	0.0007
3	8	6	0	0	3	8	6	0.00044	0.0007
3	8	7	0	0	3	8	7	0.00044	0.0007
3	8	8	0	0	3	8	8	0.00044	0.0007
3	8	9	0	0	3	8	9	0.00044	0.0007
3	8	10	0	0	3	8	10	0.00044	0.00071
3	8	11	0	0	3	8	11	0.00044	0.00071
3	8	12	0	0	3	8	12	0.00045	0.00072

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
3	8	13	0	0	3	8	13	0.00045	0.00072
3	8	14	0	0	3	8	14	0.00045	0.00072
3	8	15	0	0	3	8	15	0.00045	0.00072
3	8	16	0	0	3	8	16	0.00045	0.00072
3	8	17	0	0	3	8	17	0.00045	0.00072
3	8	18	0	0	3	8	18	0.00045	0.00072
3	8	19	0	0	3	8	19	0.00045	0.00072
3	8	20	0	0	3	8	20	0.00044	0.00071
3	8	21	0	0	3	8	21	0.00044	0.00071
3	8	22	0	0	3	8	22	0.00044	0.0007
3	8	23	0	0	3	8	23	0.00044	0.0007
3	8	24	0	0	3	8	24	0.00044	0.0007
3	11	1	0	0	3	11	1	0.00033	0.00053
3	11	2	0	0	3	11	2	0.00033	0.00053
3	11	3	0	0	3	11	3	0.00033	0.00053
3	11	4	0	0	3	11	4	0.00033	0.00053
3	11	5	0	0	3	11	5	0.00033	0.00053
3	11	6	0	0	3	11	6	0.00033	0.00053
3	11	7	0	0	3	11	7	0.00033	0.00053
3	11	8	0	0	3	11	8	0.00033	0.00053
3	11	9	0	0	3	11	9	0.00033	0.00053
3	11	10	0	0	3	11	10	0.00033	0.00053
3	11	11	0	0	3	11	11	0.00033	0.00053
3	11	12	0	0	3	11	12	0.00033	0.00053
3	11	13	0	0	3	11	13	0.00033	0.00054
3	11	14	0	0	3	11	14	0.00033	0.00054
3	11	15	0	0	3	11	15	0.00033	0.00054
3	11	16	0	0	3	11	16	0.00033	0.00054
3	11	17	0	0	3	11	17	0.00033	0.00054
3	11	18	0	0	3	11	18	0.00033	0.00054
3	11	19	0	0	3	11	19	0.00033	0.00053
3	11	20	0	0	3	11	20	0.00033	0.00053
3	11	21	0	0	3	11	21	0.00033	0.00053
3	11	22	0	0	3	11	22	0.00033	0.00053
3	11	23	0	0	3	11	23	0.00033	0.00053
3	11	24	0	0	3	11	24	0.00033	0.00053

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	6	1	0.006576	0.010583	5	6	1	0.15451	0.24865
5	6	2	0.006576	0.010583	5	6	2	0.15451	0.24866
5	6	3	0.006576	0.010583	5	6	3	0.15451	0.24865
5	6	4	0.006576	0.010583	5	6	4	0.15451	0.24865
5	6	5	0.006576	0.010583	5	6	5	0.15451	0.24865
5	6	6	0.006576	0.010583	5	6	6	0.15451	0.24865
5	6	7	0.006576	0.010583	5	6	7	0.15451	0.24865
5	6	8	0.006576	0.010583	5	6	8	0.15451	0.24865
5	6	9	0.006576	0.010583	5	6	9	0.15451	0.24865
5	6	10	0.006576	0.010583	5	6	10	0.15451	0.24865
5	6	11	0.006576	0.010583	5	6	11	0.15451	0.24865
5	6	12	0.006576	0.010583	5	6	12	0.15451	0.24865
5	6	13	0.006576	0.010583	5	6	13	0.15451	0.24865
5	6	14	0.006576	0.010583	5	6	14	0.15451	0.24865
5	6	15	0.006576	0.010583	5	6	15	0.15451	0.24865
5	6	16	0.006576	0.010583	5	6	16	0.15451	0.24865
5	6	17	0.006576	0.010583	5	6	17	0.15451	0.24865
5	6	18	0.006576	0.010583	5	6	18	0.15451	0.24865
5	6	19	0.006576	0.010583	5	6	19	0.15451	0.24866
5	6	20	0.006576	0.010583	5	6	20	0.15451	0.24865
5	6	21	0.006576	0.010583	5	6	21	0.15451	0.24865
5	6	22	0.006576	0.010583	5	6	22	0.15451	0.24865
5	6	23	0.006576	0.010583	5	6	23	0.15451	0.24865
5	6	24	0.006576	0.010583	5	6	24	0.15451	0.24865
5	8	1	0	0	5	8	1	0.00044	0.0007
5	8	2	0	0	5	8	2	0.00044	0.0007
5	8	3	0	0	5	8	3	0.00044	0.0007
5	8	4	0	0	5	8	4	0.00044	0.0007
5	8	5	0	0	5	8	5	0.00044	0.0007
5	8	6	0	0	5	8	6	0.00044	0.0007
5	8	7	0	0	5	8	7	0.00044	0.0007
5	8	8	0	0	5	8	8	0.00044	0.0007
5	8	9	0	0	5	8	9	0.00044	0.0007
5	8	10	0	0	5	8	10	0.00044	0.00071
5	8	11	0	0	5	8	11	0.00044	0.00071
5	8	12	0	0	5	8	12	0.00044	0.00072
5	8	13	0	0	5	8	13	0.00045	0.00072
5	8	14	0	0	5	8	14	0.00045	0.00072
5	8	15	0	0	5	8	15	0.00045	0.00072
5	8	16	0	0	5	8	16	0.00045	0.00072
5	8	17	0	0	5	8	17	0.00045	0.00072
5	8	18	0	0	5	8	18	0.00045	0.00072
5	8	19	0	0	5	8	19	0.00045	0.00072
5	8	20	0	0	5	8	20	0.00044	0.00071
5	8	21	0	0	5	8	21	0.00044	0.00071
5	8	22	0	0	5	8	22	0.00044	0.0007
5	8	23	0	0	5	8	23	0.00044	0.0007
5	8	24	0	0	5	8	24	0.00044	0.0007

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	11	1	0	0	5	11	1	0.00033	0.00053
5	11	2	0	0	5	11	2	0.00033	0.00053
5	11	3	0	0	5	11	3	0.00033	0.00053
5	11	4	0	0	5	11	4	0.00033	0.00053
5	11	5	0	0	5	11	5	0.00033	0.00053
5	11	6	0	0	5	11	6	0.00033	0.00053
5	11	7	0	0	5	11	7	0.00033	0.00053
5	11	8	0	0	5	11	8	0.00033	0.00053
5	11	9	0	0	5	11	9	0.00033	0.00053
5	11	10	0	0	5	11	10	0.00033	0.00053
5	11	11	0	0	5	11	11	0.00033	0.00053
5	11	12	0	0	5	11	12	0.00033	0.00054
5	11	13	0	0	5	11	13	0.00033	0.00054
5	11	14	0	0	5	11	14	0.00034	0.00054
5	11	15	0	0	5	11	15	0.00034	0.00054
5	11	16	0	0	5	11	16	0.00034	0.00054
5	11	17	0	0	5	11	17	0.00034	0.00054
5	11	18	0	0	5	11	18	0.00034	0.00054
5	11	19	0	0	5	11	19	0.00033	0.00054
5	11	20	0	0	5	11	20	0.00033	0.00053
5	11	21	0	0	5	11	21	0.00033	0.00053
5	11	22	0	0	5	11	22	0.00033	0.00053
5	11	23	0	0	5	11	23	0.00033	0.00053
5	11	24	0	0	5	11	24	0.00033	0.00053
5	7	1	0	0	5	7	1	0.0005	0.0008
5	7	2	0	0	5	7	2	0.0005	0.0008
5	7	3	0	0	5	7	3	0.0005	0.0008
5	7	4	0	0	5	7	4	0.0005	0.0008
5	7	5	0	0	5	7	5	0.0005	0.0008
5	7	6	0	0	5	7	6	0.0005	0.0008
5	7	7	0	0	5	7	7	0.0005	0.0008
5	7	8	0	0	5	7	8	0.0005	0.0008
5	7	9	0	0	5	7	9	0.0005	0.0008
5	7	10	0	0	5	7	10	0.0005	0.00081
5	7	11	0	0	5	7	11	0.0005	0.00081
5	7	12	0	0	5	7	12	0.00051	0.00082
5	7	13	0	0	5	7	13	0.00051	0.00082
5	7	14	0	0	5	7	14	0.00051	0.00082
5	7	15	0	0	5	7	15	0.00051	0.00083
5	7	16	0	0	5	7	16	0.00051	0.00082
5	7	17	0	0	5	7	17	0.00051	0.00082
5	7	18	0	0	5	7	18	0.00051	0.00082
5	7	19	0	0	5	7	19	0.00051	0.00082
5	7	20	0	0	5	7	20	0.0005	0.00081
5	7	21	0	0	5	7	21	0.0005	0.0008
5	7	22	0	0	5	7	22	0.0005	0.0008
5	7	23	0	0	5	7	23	0.0005	0.0008
5	7	24	0	0	5	7	24	0.0005	0.0008

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
1	0	1	0.005912	0.009514	1	0	1	0.0005158	0.0008301
1	0	2	0.005912	0.009514	1	0	2	0.0005158	0.0008301
1	0	3	0.005912	0.009514	1	0	3	0.0005158	0.0008301
1	0	4	0.005912	0.009514	1	0	4	0.0005158	0.0008301
1	0	5	0.005912	0.009514	1	0	5	0.0005158	0.0008301
1	0	6	0.005912	0.009514	1	0	6	0.0005158	0.0008301
1	0	7	0.005912	0.009514	1	0	7	0.0005158	0.0008301
1	0	8	0.005912	0.009514	1	0	8	0.0005158	0.0008301
1	0	9	0.005912	0.009514	1	0	9	0.0005158	0.0008301
1	0	10	0.005929	0.009542	1	0	10	0.0005174	0.0008326
1	0	11	0.005952	0.009579	1	0	11	0.0005193	0.0008358
1	0	12	0.005978	0.00962	1	0	12	0.0005216	0.0008394
1	0	13	0.005997	0.009651	1	0	13	0.0005233	0.0008421
1	0	14	0.006014	0.009679	1	0	14	0.0005248	0.0008446
1	0	15	0.006024	0.009695	1	0	15	0.0005257	0.000846
1	0	16	0.00602	0.009689	1	0	16	0.0005253	0.0008454
1	0	17	0.006018	0.009686	1	0	17	0.0005251	0.0008451
1	0	18	0.006012	0.009675	1	0	18	0.0005246	0.0008442
1	0	19	0.00599	0.00964	1	0	19	0.0005227	0.0008411
1	0	20	0.005959	0.00959	1	0	20	0.00052	0.0008368
1	0	21	0.005917	0.009522	1	0	21	0.0005163	0.0008308
1	0	22	0.005912	0.009514	1	0	22	0.0005158	0.0008301
1	0	23	0.005912	0.009514	1	0	23	0.0005158	0.0008301
1	0	24	0.005912	0.009514	1	0	24	0.0005158	0.0008301
2	1	1	0.00343	0.005519	2	1	1	0.0003152	0.0005073
2	1	2	0.00343	0.005519	2	1	2	0.0003152	0.0005073
2	1	3	0.00343	0.005519	2	1	3	0.0003152	0.0005073
2	1	4	0.00343	0.005519	2	1	4	0.0003152	0.0005073
2	1	5	0.00343	0.005519	2	1	5	0.0003152	0.0005073
2	1	6	0.00343	0.005519	2	1	6	0.0003152	0.0005073
2	1	7	0.00343	0.005519	2	1	7	0.0003152	0.0005073
2	1	8	0.00343	0.005519	2	1	8	0.0003152	0.0005073
2	1	9	0.00343	0.005519	2	1	9	0.0003152	0.0005073
2	1	10	0.003447	0.005547	2	1	10	0.0003167	0.0005097
2	1	11	0.003468	0.005582	2	1	11	0.0003186	0.0005127
2	1	12	0.003493	0.005621	2	1	12	0.0003208	0.0005162
2	1	13	0.003511	0.005651	2	1	13	0.0003224	0.0005188
2	1	14	0.003528	0.005678	2	1	14	0.0003239	0.0005212
2	1	15	0.003538	0.005693	2	1	15	0.0003247	0.0005226
2	1	16	0.003534	0.005687	2	1	16	0.0003244	0.000522
2	1	17	0.003532	0.005684	2	1	17	0.0003242	0.0005217
2	1	18	0.003526	0.005674	2	1	18	0.0003236	0.0005208
2	1	19	0.003505	0.00564	2	1	19	0.0003218	0.0005179
2	1	20	0.003475	0.005593	2	1	20	0.0003192	0.0005137
2	1	21	0.003434	0.005527	2	1	21	0.0003156	0.0005079
2	1	22	0.00343	0.005519	2	1	22	0.0003152	0.0005073
2	1	23	0.00343	0.005519	2	1	23	0.0003152	0.0005073
2	1	24	0.00343	0.005519	2	1	24	0.0003152	0.0005073
2	5	1	0.000564	0.000907	2	5	1	5.255E-05	8.458E-05
2	5	2	0.000564	0.000907	2	5	2	5.255E-05	8.458E-05
2	5	3	0.000564	0.000907	2	5	3	5.255E-05	8.458E-05
2	5	4	0.000564	0.000907	2	5	4	5.255E-05	8.458E-05
2	5	5	0.000564	0.000907	2	5	5	5.255E-05	8.458E-05
2	5	6	0.000564	0.000907	2	5	6	5.255E-05	8.458E-05
2	5	7	0.000564	0.000907	2	5	7	5.255E-05	8.458E-05
2	5	8	0.000564	0.000907	2	5	8	5.255E-05	8.458E-05
2	5	9	0.000564	0.000907	2	5	9	5.255E-05	8.458E-05

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	5	10	0.000567	0.000913	2	5	10	5.287E-05	8.509E-05
2	5	11	0.000572	0.00092	2	5	11	5.327E-05	8.573E-05
2	5	12	0.000577	0.000928	2	5	12	5.373E-05	8.647E-05
2	5	13	0.000581	0.000934	2	5	13	5.407E-05	8.702E-05
2	5	14	0.000584	0.00094	2	5	14	5.439E-05	8.752E-05
2	5	15	0.000586	0.000943	2	5	15	5.456E-05	8.781E-05
2	5	16	0.000585	0.000942	2	5	16	5.449E-05	8.769E-05
2	5	17	0.000585	0.000941	2	5	17	5.445E-05	8.764E-05
2	5	18	0.000584	0.000939	2	5	18	5.434E-05	8.744E-05
2	5	19	0.000579	0.000932	2	5	19	5.395E-05	8.682E-05
2	5	20	0.000573	0.000922	2	5	20	5.34E-05	8.594E-05
2	5	21	0.000565	0.000909	2	5	21	5.264E-05	8.472E-05
2	5	22	0.000564	0.000907	2	5	22	5.255E-05	8.458E-05
2	5	23	0.000564	0.000907	2	5	23	5.255E-05	8.458E-05
2	5	24	0.000564	0.000907	2	5	24	5.255E-05	8.458E-05
2	6	1	0.000458	0.000737	2	6	1	4.293E-05	6.909E-05
2	6	2	0.000458	0.000737	2	6	2	4.293E-05	6.909E-05
2	6	3	0.000458	0.000737	2	6	3	4.293E-05	6.909E-05
2	6	4	0.000458	0.000737	2	6	4	4.293E-05	6.909E-05
2	6	5	0.000458	0.000737	2	6	5	4.293E-05	6.909E-05
2	6	6	0.000458	0.000737	2	6	6	4.293E-05	6.909E-05
2	6	7	0.000458	0.000737	2	6	7	4.293E-05	6.909E-05
2	6	8	0.000458	0.000737	2	6	8	4.293E-05	6.909E-05
2	6	9	0.000458	0.000737	2	6	9	4.293E-05	6.909E-05
2	6	10	0.000461	0.000742	2	6	10	4.318E-05	6.95E-05
2	6	11	0.000464	0.000747	2	6	11	4.351E-05	7.002E-05
2	6	12	0.000469	0.000754	2	6	12	4.388E-05	7.062E-05
2	6	13	0.000472	0.000759	2	6	13	4.415E-05	7.106E-05
2	6	14	0.000475	0.000764	2	6	14	4.441E-05	7.147E-05
2	6	15	0.000476	0.000766	2	6	15	4.455E-05	7.17E-05
2	6	16	0.000475	0.000765	2	6	16	4.449E-05	7.16E-05
2	6	17	0.000475	0.000765	2	6	17	4.447E-05	7.156E-05
2	6	18	0.000474	0.000763	2	6	18	4.437E-05	7.14E-05
2	6	19	0.000471	0.000757	2	6	19	4.405E-05	7.09E-05
2	6	20	0.000466	0.000749	2	6	20	4.361E-05	7.019E-05
2	6	21	0.000459	0.000738	2	6	21	4.3E-05	6.92E-05
2	6	22	0.000458	0.000737	2	6	22	4.293E-05	6.909E-05
2	6	23	0.000458	0.000737	2	6	23	4.293E-05	6.909E-05
2	6	24	0.000458	0.000737	2	6	24	4.293E-05	6.909E-05
2	7	1	0.000388	0.000624	2	7	1	3.654E-05	5.881E-05
2	7	2	0.000388	0.000624	2	7	2	3.654E-05	5.881E-05
2	7	3	0.000388	0.000624	2	7	3	3.654E-05	5.881E-05
2	7	4	0.000388	0.000624	2	7	4	3.654E-05	5.881E-05
2	7	5	0.000388	0.000624	2	7	5	3.654E-05	5.881E-05
2	7	6	0.000388	0.000624	2	7	6	3.654E-05	5.881E-05
2	7	7	0.000388	0.000624	2	7	7	3.654E-05	5.881E-05
2	7	8	0.000388	0.000624	2	7	8	3.654E-05	5.881E-05
2	7	9	0.000388	0.000624	2	7	9	3.654E-05	5.881E-05
2	7	10	0.00039	0.000628	2	7	10	3.675E-05	5.915E-05
2	7	11	0.000393	0.000633	2	7	11	3.702E-05	5.959E-05
2	7	12	0.000397	0.000638	2	7	12	3.733E-05	6.008E-05
2	7	13	0.000399	0.000643	2	7	13	3.756E-05	6.045E-05
2	7	14	0.000402	0.000646	2	7	14	3.778E-05	6.08E-05
2	7	15	0.000403	0.000649	2	7	15	3.79E-05	6.099E-05
2	7	16	0.000402	0.000648	2	7	16	3.785E-05	6.091E-05
2	7	17	0.000402	0.000647	2	7	17	3.782E-05	6.087E-05
2	7	18	0.000401	0.000646	2	7	18	3.774E-05	6.074E-05

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	7	19	0.000398	0.000641	2	7	19	3.748E-05	6.032E-05
2	7	20	0.000394	0.000634	2	7	20	3.711E-05	5.972E-05
2	7	21	0.000389	0.000625	2	7	21	3.66E-05	5.89E-05
2	7	22	0.000388	0.000624	2	7	22	3.654E-05	5.881E-05
2	7	23	0.000388	0.000624	2	7	23	3.654E-05	5.881E-05
2	7	24	0.000388	0.000624	2	7	24	3.654E-05	5.881E-05
2	12	1	0.000217	0.000349	2	12	1	2.111E-05	3.397E-05
2	12	2	0.000217	0.000349	2	12	2	2.111E-05	3.397E-05
2	12	3	0.000217	0.000349	2	12	3	2.111E-05	3.397E-05
2	12	4	0.000217	0.000349	2	12	4	2.111E-05	3.397E-05
2	12	5	0.000217	0.000349	2	12	5	2.111E-05	3.397E-05
2	12	6	0.000217	0.000349	2	12	6	2.111E-05	3.397E-05
2	12	7	0.000217	0.000349	2	12	7	2.111E-05	3.397E-05
2	12	8	0.000217	0.000349	2	12	8	2.111E-05	3.397E-05
2	12	9	0.000217	0.000349	2	12	9	2.111E-05	3.397E-05
2	12	10	0.000218	0.000351	2	12	10	2.122E-05	3.415E-05
2	12	11	0.00022	0.000353	2	12	11	2.136E-05	3.437E-05
2	12	12	0.000221	0.000356	2	12	12	2.152E-05	3.463E-05
2	12	13	0.000223	0.000358	2	12	13	2.164E-05	3.482E-05
2	12	14	0.000224	0.00036	2	12	14	2.175E-05	3.5E-05
2	12	15	0.000225	0.000361	2	12	15	2.181E-05	3.51E-05
2	12	16	0.000224	0.000361	2	12	16	2.178E-05	3.506E-05
2	12	17	0.000224	0.000361	2	12	17	2.177E-05	3.504E-05
2	12	18	0.000224	0.00036	2	12	18	2.173E-05	3.497E-05
2	12	19	0.000222	0.000358	2	12	19	2.159E-05	3.475E-05
2	12	20	0.00022	0.000354	2	12	20	2.14E-05	3.445E-05
2	12	21	0.000217	0.00035	2	12	21	2.114E-05	3.402E-05
2	12	22	0.000217	0.000349	2	12	22	2.111E-05	3.397E-05
2	12	23	0.000217	0.000349	2	12	23	2.111E-05	3.397E-05
2	12	24	0.000217	0.000349	2	12	24	2.111E-05	3.397E-05
2	13	1	0.000201	0.000324	2	13	1	1.972E-05	3.173E-05
2	13	2	0.000201	0.000324	2	13	2	1.972E-05	3.173E-05
2	13	3	0.000201	0.000324	2	13	3	1.972E-05	3.173E-05
2	13	4	0.000201	0.000324	2	13	4	1.972E-05	3.173E-05
2	13	5	0.000201	0.000324	2	13	5	1.972E-05	3.173E-05
2	13	6	0.000201	0.000324	2	13	6	1.972E-05	3.173E-05
2	13	7	0.000201	0.000324	2	13	7	1.972E-05	3.173E-05
2	13	8	0.000201	0.000324	2	13	8	1.972E-05	3.173E-05
2	13	9	0.000201	0.000324	2	13	9	1.972E-05	3.173E-05
2	13	10	0.000203	0.000326	2	13	10	1.982E-05	3.19E-05
2	13	11	0.000204	0.000328	2	13	11	1.995E-05	3.21E-05
2	13	12	0.000206	0.000331	2	13	12	2.009E-05	3.234E-05
2	13	13	0.000207	0.000333	2	13	13	2.02E-05	3.251E-05
2	13	14	0.000208	0.000334	2	13	14	2.03E-05	3.268E-05
2	13	15	0.000208	0.000335	2	13	15	2.036E-05	3.277E-05
2	13	16	0.000208	0.000335	2	13	16	2.034E-05	3.273E-05
2	13	17	0.000208	0.000335	2	13	17	2.033E-05	3.271E-05
2	13	18	0.000208	0.000334	2	13	18	2.029E-05	3.265E-05
2	13	19	0.000206	0.000332	2	13	19	2.016E-05	3.245E-05
2	13	20	0.000204	0.000329	2	13	20	1.999E-05	3.217E-05
2	13	21	0.000202	0.000325	2	13	21	1.975E-05	3.178E-05
2	13	22	0.000201	0.000324	2	13	22	1.972E-05	3.173E-05
2	13	23	0.000201	0.000324	2	13	23	1.972E-05	3.173E-05
2	13	24	0.000201	0.000324	2	13	24	1.972E-05	3.173E-05
2	15	1	0.00019	0.000306	2	15	1	1.874E-05	3.015E-05
2	15	2	0.00019	0.000306	2	15	2	1.874E-05	3.015E-05
2	15	3	0.00019	0.000306	2	15	3	1.874E-05	3.015E-05

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	15	4	0.00019	0.000306	2	15	4	1.874E-05	3.015E-05
2	15	5	0.00019	0.000306	2	15	5	1.874E-05	3.015E-05
2	15	6	0.00019	0.000306	2	15	6	1.874E-05	3.015E-05
2	15	7	0.00019	0.000306	2	15	7	1.874E-05	3.015E-05
2	15	8	0.00019	0.000306	2	15	8	1.874E-05	3.015E-05
2	15	9	0.00019	0.000306	2	15	9	1.874E-05	3.015E-05
2	15	10	0.000191	0.000307	2	15	10	1.883E-05	3.031E-05
2	15	11	0.000192	0.000309	2	15	11	1.896E-05	3.051E-05
2	15	12	0.000194	0.000312	2	15	12	1.909E-05	3.073E-05
2	15	13	0.000195	0.000314	2	15	13	1.92E-05	3.09E-05
2	15	14	0.000196	0.000315	2	15	14	1.929E-05	3.105E-05
2	15	15	0.000197	0.000316	2	15	15	1.935E-05	3.114E-05
2	15	16	0.000196	0.000316	2	15	16	1.933E-05	3.11E-05
2	15	17	0.000196	0.000316	2	15	17	1.932E-05	3.108E-05
2	15	18	0.000196	0.000315	2	15	18	1.928E-05	3.103E-05
2	15	19	0.000195	0.000313	2	15	19	1.916E-05	3.084E-05
2	15	20	0.000193	0.00031	2	15	20	1.899E-05	3.057E-05
2	15	21	0.00019	0.000306	2	15	21	1.876E-05	3.02E-05
2	15	22	0.00019	0.000306	2	15	22	1.874E-05	3.015E-05
2	15	23	0.00019	0.000306	2	15	23	1.874E-05	3.015E-05
2	15	24	0.00019	0.000306	2	15	24	1.874E-05	3.015E-05
3	7	1	0.000423	0.00068	3	7	1	3.969E-05	6.387E-05
3	7	2	0.000423	0.00068	3	7	2	3.969E-05	6.387E-05
3	7	3	0.000423	0.00068	3	7	3	3.969E-05	6.387E-05
3	7	4	0.000423	0.00068	3	7	4	3.969E-05	6.387E-05
3	7	5	0.000423	0.00068	3	7	5	3.969E-05	6.387E-05
3	7	6	0.000423	0.00068	3	7	6	3.969E-05	6.387E-05
3	7	7	0.000423	0.00068	3	7	7	3.969E-05	6.387E-05
3	7	8	0.000423	0.00068	3	7	8	3.969E-05	6.387E-05
3	7	9	0.000423	0.00068	3	7	9	3.969E-05	6.387E-05
3	7	10	0.000425	0.000684	3	7	10	3.992E-05	6.424E-05
3	7	11	0.000428	0.000689	3	7	11	4.021E-05	6.471E-05
3	7	12	0.000432	0.000695	3	7	12	4.054E-05	6.525E-05
3	7	13	0.000435	0.0007	3	7	13	4.079E-05	6.564E-05
3	7	14	0.000437	0.000704	3	7	14	4.102E-05	6.601E-05
3	7	15	0.000439	0.000706	3	7	15	4.115E-05	6.622E-05
3	7	16	0.000438	0.000705	3	7	16	4.109E-05	6.613E-05
3	7	17	0.000438	0.000705	3	7	17	4.107E-05	6.609E-05
3	7	18	0.000437	0.000703	3	7	18	4.098E-05	6.595E-05
3	7	19	0.000434	0.000698	3	7	19	4.07E-05	6.55E-05
3	7	20	0.000429	0.000691	3	7	20	4.03E-05	6.486E-05
3	7	21	0.000423	0.000681	3	7	21	3.975E-05	6.398E-05
3	7	22	0.000423	0.00068	3	7	22	3.969E-05	6.387E-05
3	7	23	0.000423	0.00068	3	7	23	3.969E-05	6.387E-05
3	7	24	0.000423	0.00068	3	7	24	3.969E-05	6.387E-05
3	8	1	0.000357	0.000575	3	8	1	3.378E-05	5.437E-05
3	8	2	0.000357	0.000575	3	8	2	3.378E-05	5.437E-05
3	8	3	0.000357	0.000575	3	8	3	3.378E-05	5.437E-05
3	8	4	0.000357	0.000575	3	8	4	3.378E-05	5.437E-05
3	8	5	0.000357	0.000575	3	8	5	3.378E-05	5.437E-05
3	8	6	0.000357	0.000575	3	8	6	3.378E-05	5.437E-05
3	8	7	0.000357	0.000575	3	8	7	3.378E-05	5.437E-05
3	8	8	0.000357	0.000575	3	8	8	3.378E-05	5.437E-05
3	8	9	0.000357	0.000575	3	8	9	3.378E-05	5.437E-05
3	8	10	0.000359	0.000579	3	8	10	3.398E-05	5.468E-05
3	8	11	0.000362	0.000583	3	8	11	3.422E-05	5.507E-05
3	8	12	0.000365	0.000588	3	8	12	3.45E-05	5.552E-05

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
3	8	13	0.000368	0.000592	3	8	13	3.47E-05	5.585E-05
3	8	14	0.00037	0.000595	3	8	14	3.489E-05	5.616E-05
3	8	15	0.000371	0.000597	3	8	15	3.5E-05	5.633E-05
3	8	16	0.00037	0.000596	3	8	16	3.496E-05	5.626E-05
3	8	17	0.00037	0.000596	3	8	17	3.494E-05	5.622E-05
3	8	18	0.000369	0.000594	3	8	18	3.486E-05	5.611E-05
3	8	19	0.000367	0.00059	3	8	19	3.463E-05	5.573E-05
3	8	20	0.000363	0.000584	3	8	20	3.43E-05	5.519E-05
3	8	21	0.000358	0.000576	3	8	21	3.384E-05	5.446E-05
3	8	22	0.000357	0.000575	3	8	22	3.378E-05	5.437E-05
3	8	23	0.000357	0.000575	3	8	23	3.378E-05	5.437E-05
3	8	24	0.000357	0.000575	3	8	24	3.378E-05	5.437E-05
3	11	1	0.000236	0.000379	3	11	1	2.281E-05	3.67E-05
3	11	2	0.000236	0.000379	3	11	2	2.281E-05	3.67E-05
3	11	3	0.000236	0.000379	3	11	3	2.281E-05	3.67E-05
3	11	4	0.000236	0.000379	3	11	4	2.281E-05	3.67E-05
3	11	5	0.000236	0.000379	3	11	5	2.281E-05	3.67E-05
3	11	6	0.000236	0.000379	3	11	6	2.281E-05	3.67E-05
3	11	7	0.000236	0.000379	3	11	7	2.281E-05	3.67E-05
3	11	8	0.000236	0.000379	3	11	8	2.281E-05	3.67E-05
3	11	9	0.000236	0.000379	3	11	9	2.281E-05	3.67E-05
3	11	10	0.000237	0.000381	3	11	10	2.292E-05	3.689E-05
3	11	11	0.000239	0.000384	3	11	11	2.307E-05	3.713E-05
3	11	12	0.00024	0.000387	3	11	12	2.324E-05	3.74E-05
3	11	13	0.000242	0.000389	3	11	13	2.337E-05	3.761E-05
3	11	14	0.000243	0.000391	3	11	14	2.348E-05	3.779E-05
3	11	15	0.000244	0.000392	3	11	15	2.355E-05	3.79E-05
3	11	16	0.000244	0.000392	3	11	16	2.352E-05	3.786E-05
3	11	17	0.000243	0.000392	3	11	17	2.351E-05	3.784E-05
3	11	18	0.000243	0.000391	3	11	18	2.347E-05	3.776E-05
3	11	19	0.000241	0.000388	3	11	19	2.332E-05	3.753E-05
3	11	20	0.000239	0.000385	3	11	20	2.312E-05	3.721E-05
3	11	21	0.000236	0.00038	3	11	21	2.284E-05	3.675E-05
3	11	22	0.000236	0.000379	3	11	22	2.281E-05	3.67E-05
3	11	23	0.000236	0.000379	3	11	23	2.281E-05	3.67E-05
3	11	24	0.000236	0.000379	3	11	24	2.281E-05	3.67E-05

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	6	1	0.112539	0.181115	5	6	1	0.0017115	0.0027544
5	6	2	0.112539	0.181115	5	6	2	0.0017115	0.0027544
5	6	3	0.112539	0.181115	5	6	3	0.0017115	0.0027544
5	6	4	0.112539	0.181115	5	6	4	0.0017115	0.0027544
5	6	5	0.112539	0.181115	5	6	5	0.0017115	0.0027544
5	6	6	0.112539	0.181115	5	6	6	0.0017115	0.0027544
5	6	7	0.112539	0.181115	5	6	7	0.0017115	0.0027544
5	6	8	0.112539	0.181115	5	6	8	0.0017115	0.0027544
5	6	9	0.112539	0.181115	5	6	9	0.0017115	0.0027544
5	6	10	0.112539	0.181115	5	6	10	0.0017115	0.0027544
5	6	11	0.112539	0.181115	5	6	11	0.0017115	0.0027544
5	6	12	0.112539	0.181115	5	6	12	0.0017115	0.0027544
5	6	13	0.112539	0.181115	5	6	13	0.0017115	0.0027544
5	6	14	0.112539	0.181115	5	6	14	0.0017115	0.0027544
5	6	15	0.112539	0.181115	5	6	15	0.0017115	0.0027544
5	6	16	0.112539	0.181115	5	6	16	0.0017115	0.0027544
5	6	17	0.112539	0.181115	5	6	17	0.0017115	0.0027544
5	6	18	0.112539	0.181115	5	6	18	0.0017115	0.0027544
5	6	19	0.112539	0.181115	5	6	19	0.0017115	0.0027544
5	6	20	0.112539	0.181115	5	6	20	0.0017115	0.0027544
5	6	21	0.112539	0.181115	5	6	21	0.0017115	0.0027544
5	6	22	0.112539	0.181115	5	6	22	0.0017115	0.0027544
5	6	23	0.112539	0.181115	5	6	23	0.0017115	0.0027544
5	6	24	0.112539	0.181115	5	6	24	0.0017115	0.0027544
5	8	1	0.000357	0.000575	5	8	1	3.376E-05	5.433E-05
5	8	2	0.000357	0.000575	5	8	2	3.376E-05	5.433E-05
5	8	3	0.000357	0.000575	5	8	3	3.376E-05	5.433E-05
5	8	4	0.000357	0.000575	5	8	4	3.376E-05	5.433E-05
5	8	5	0.000357	0.000575	5	8	5	3.376E-05	5.433E-05
5	8	6	0.000357	0.000575	5	8	6	3.376E-05	5.433E-05
5	8	7	0.000357	0.000575	5	8	7	3.376E-05	5.433E-05
5	8	8	0.000357	0.000575	5	8	8	3.376E-05	5.433E-05
5	8	9	0.000357	0.000575	5	8	9	3.376E-05	5.433E-05
5	8	10	0.000359	0.000578	5	8	10	3.395E-05	5.464E-05
5	8	11	0.000362	0.000583	5	8	11	3.42E-05	5.504E-05
5	8	12	0.000365	0.000588	5	8	12	3.448E-05	5.549E-05
5	8	13	0.000367	0.000591	5	8	13	3.469E-05	5.583E-05
5	8	14	0.00037	0.000595	5	8	14	3.488E-05	5.614E-05
5	8	15	0.000371	0.000597	5	8	15	3.499E-05	5.631E-05
5	8	16	0.00037	0.000596	5	8	16	3.495E-05	5.624E-05
5	8	17	0.00037	0.000596	5	8	17	3.493E-05	5.621E-05
5	8	18	0.000369	0.000594	5	8	18	3.485E-05	5.609E-05
5	8	19	0.000367	0.00059	5	8	19	3.461E-05	5.571E-05
5	8	20	0.000363	0.000584	5	8	20	3.428E-05	5.516E-05
5	8	21	0.000358	0.000576	5	8	21	3.381E-05	5.442E-05
5	8	22	0.000357	0.000575	5	8	22	3.376E-05	5.433E-05
5	8	23	0.000357	0.000575	5	8	23	3.376E-05	5.433E-05
5	8	24	0.000357	0.000575	5	8	24	3.376E-05	5.433E-05

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	11	1	0.000238	0.000383	5	11	1	2.303E-05	3.706E-05
5	11	2	0.000238	0.000383	5	11	2	2.303E-05	3.706E-05
5	11	3	0.000238	0.000383	5	11	3	2.303E-05	3.706E-05
5	11	4	0.000238	0.000383	5	11	4	2.303E-05	3.706E-05
5	11	5	0.000238	0.000383	5	11	5	2.303E-05	3.706E-05
5	11	6	0.000238	0.000383	5	11	6	2.303E-05	3.706E-05
5	11	7	0.000238	0.000383	5	11	7	2.303E-05	3.706E-05
5	11	8	0.000238	0.000383	5	11	8	2.303E-05	3.706E-05
5	11	9	0.000238	0.000383	5	11	9	2.303E-05	3.706E-05
5	11	10	0.00024	0.000386	5	11	10	2.315E-05	3.726E-05
5	11	11	0.000241	0.000388	5	11	11	2.331E-05	3.751E-05
5	11	12	0.000243	0.000392	5	11	12	2.349E-05	3.78E-05
5	11	13	0.000245	0.000394	5	11	13	2.362E-05	3.802E-05
5	11	14	0.000246	0.000396	5	11	14	2.375E-05	3.822E-05
5	11	15	0.000247	0.000397	5	11	15	2.382E-05	3.833E-05
5	11	16	0.000247	0.000397	5	11	16	2.379E-05	3.828E-05
5	11	17	0.000246	0.000397	5	11	17	2.377E-05	3.826E-05
5	11	18	0.000246	0.000396	5	11	18	2.373E-05	3.819E-05
5	11	19	0.000244	0.000393	5	11	19	2.358E-05	3.794E-05
5	11	20	0.000242	0.000389	5	11	20	2.336E-05	3.76E-05
5	11	21	0.000239	0.000384	5	11	21	2.306E-05	3.712E-05
5	11	22	0.000238	0.000383	5	11	22	2.303E-05	3.706E-05
5	11	23	0.000238	0.000383	5	11	23	2.303E-05	3.706E-05
5	11	24	0.000238	0.000383	5	11	24	2.303E-05	3.706E-05
5	7	1	0.000423	0.00068	5	7	1	3.969E-05	6.387E-05
5	7	2	0.000423	0.00068	5	7	2	3.969E-05	6.387E-05
5	7	3	0.000423	0.00068	5	7	3	3.969E-05	6.387E-05
5	7	4	0.000423	0.00068	5	7	4	3.969E-05	6.387E-05
5	7	5	0.000423	0.00068	5	7	5	3.969E-05	6.387E-05
5	7	6	0.000423	0.00068	5	7	6	3.969E-05	6.387E-05
5	7	7	0.000423	0.00068	5	7	7	3.969E-05	6.387E-05
5	7	8	0.000423	0.00068	5	7	8	3.969E-05	6.387E-05
5	7	9	0.000423	0.00068	5	7	9	3.969E-05	6.387E-05
5	7	10	0.000425	0.000684	5	7	10	3.992E-05	6.424E-05
5	7	11	0.000428	0.000689	5	7	11	4.021E-05	6.471E-05
5	7	12	0.000432	0.000695	5	7	12	4.054E-05	6.525E-05
5	7	13	0.000435	0.0007	5	7	13	4.079E-05	6.564E-05
5	7	14	0.000437	0.000704	5	7	14	4.102E-05	6.601E-05
5	7	15	0.000439	0.000706	5	7	15	4.115E-05	6.622E-05
5	7	16	0.000438	0.000705	5	7	16	4.109E-05	6.613E-05
5	7	17	0.000438	0.000705	5	7	17	4.107E-05	6.609E-05
5	7	18	0.000437	0.000703	5	7	18	4.098E-05	6.595E-05
5	7	19	0.000434	0.000698	5	7	19	4.07E-05	6.55E-05
5	7	20	0.000429	0.000691	5	7	20	4.03E-05	6.486E-05
5	7	21	0.000423	0.000681	5	7	21	3.975E-05	6.398E-05
5	7	22	0.000423	0.00068	5	7	22	3.969E-05	6.387E-05
5	7	23	0.000423	0.00068	5	7	23	3.969E-05	6.387E-05
5	7	24	0.000423	0.00068	5	7	24	3.969E-05	6.387E-05

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
1	0	1	0.014967	0.02409	1	0	1	1.279E-06	2.058E-06
1	0	2	0.014967	0.02409	1	0	2	1.279E-06	2.058E-06
1	0	3	0.014967	0.02409	1	0	3	1.279E-06	2.058E-06
1	0	4	0.014967	0.02409	1	0	4	1.279E-06	2.058E-06
1	0	5	0.014967	0.02409	1	0	5	1.279E-06	2.058E-06
1	0	6	0.014967	0.02409	1	0	6	1.279E-06	2.058E-06
1	0	7	0.014967	0.02409	1	0	7	1.279E-06	2.058E-06
1	0	8	0.014967	0.02409	1	0	8	1.279E-06	2.058E-06
1	0	9	0.014967	0.02409	1	0	9	1.279E-06	2.058E-06
1	0	10	0.014967	0.02409	1	0	10	1.279E-06	2.058E-06
1	0	11	0.014967	0.02409	1	0	11	1.279E-06	2.058E-06
1	0	12	0.014967	0.02409	1	0	12	1.279E-06	2.058E-06
1	0	13	0.014967	0.02409	1	0	13	1.279E-06	2.058E-06
1	0	14	0.015036	0.0242	1	0	14	1.279E-06	2.058E-06
1	0	15	0.015144	0.02437	1	0	15	1.279E-06	2.058E-06
1	0	16	0.015099	0.0243	1	0	16	1.279E-06	2.058E-06
1	0	17	0.015078	0.02427	1	0	17	1.279E-06	2.058E-06
1	0	18	0.015007	0.02415	1	0	18	1.279E-06	2.058E-06
1	0	19	0.014967	0.02409	1	0	19	1.279E-06	2.058E-06
1	0	20	0.014967	0.02409	1	0	20	1.279E-06	2.058E-06
1	0	21	0.014967	0.02409	1	0	21	1.279E-06	2.058E-06
1	0	22	0.014967	0.02409	1	0	22	1.279E-06	2.058E-06
1	0	23	0.014967	0.02409	1	0	23	1.279E-06	2.058E-06
1	0	24	0.014967	0.02409	1	0	24	1.279E-06	2.058E-06
2	1	1	0.008768	0.01411	2	1	1	1.306E-06	2.102E-06
2	1	2	0.008768	0.01411	2	1	2	1.306E-06	2.102E-06
2	1	3	0.008768	0.01411	2	1	3	1.306E-06	2.102E-06
2	1	4	0.008768	0.01411	2	1	4	1.306E-06	2.102E-06
2	1	5	0.008768	0.01411	2	1	5	1.306E-06	2.102E-06
2	1	6	0.008768	0.01411	2	1	6	1.306E-06	2.102E-06
2	1	7	0.008768	0.01411	2	1	7	1.306E-06	2.102E-06
2	1	8	0.008768	0.01411	2	1	8	1.306E-06	2.102E-06
2	1	9	0.008768	0.01411	2	1	9	1.306E-06	2.102E-06
2	1	10	0.008768	0.01411	2	1	10	1.306E-06	2.102E-06
2	1	11	0.008768	0.01411	2	1	11	1.306E-06	2.102E-06
2	1	12	0.008768	0.01411	2	1	12	1.306E-06	2.102E-06
2	1	13	0.008768	0.01411	2	1	13	1.306E-06	2.102E-06
2	1	14	0.008768	0.01411	2	1	14	1.306E-06	2.102E-06
2	1	15	0.008768	0.01411	2	1	15	1.306E-06	2.103E-06
2	1	16	0.008768	0.01411	2	1	16	1.306E-06	2.103E-06
2	1	17	0.008768	0.01411	2	1	17	1.306E-06	2.103E-06
2	1	18	0.008768	0.01411	2	1	18	1.306E-06	2.102E-06
2	1	19	0.008768	0.01411	2	1	19	1.306E-06	2.102E-06
2	1	20	0.008768	0.01411	2	1	20	1.306E-06	2.102E-06
2	1	21	0.008768	0.01411	2	1	21	1.306E-06	2.102E-06
2	1	22	0.008768	0.01411	2	1	22	1.306E-06	2.102E-06
2	1	23	0.008768	0.01411	2	1	23	1.306E-06	2.102E-06
2	1	24	0.008768	0.01411	2	1	24	1.306E-06	2.102E-06
2	5	1	0.002005	0.00323	2	5	1	3.419E-07	5.502E-07
2	5	2	0.002005	0.00323	2	5	2	3.419E-07	5.502E-07
2	5	3	0.002005	0.00323	2	5	3	3.419E-07	5.502E-07
2	5	4	0.002005	0.00323	2	5	4	3.419E-07	5.502E-07
2	5	5	0.002005	0.00323	2	5	5	3.419E-07	5.502E-07
2	5	6	0.002005	0.00323	2	5	6	3.419E-07	5.502E-07
2	5	7	0.002005	0.00323	2	5	7	3.419E-07	5.502E-07
2	5	8	0.002005	0.00323	2	5	8	3.419E-07	5.502E-07
2	5	9	0.002005	0.00323	2	5	9	3.419E-07	5.502E-07

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	5	10	0.002005	0.00323	2	5	10	3.419E-07	5.502E-07
2	5	11	0.002005	0.00323	2	5	11	3.419E-07	5.502E-07
2	5	12	0.002005	0.00323	2	5	12	3.419E-07	5.503E-07
2	5	13	0.002005	0.00323	2	5	13	3.419E-07	5.503E-07
2	5	14	0.002005	0.00323	2	5	14	3.42E-07	5.503E-07
2	5	15	0.002005	0.00323	2	5	15	3.42E-07	5.504E-07
2	5	16	0.002005	0.00323	2	5	16	3.42E-07	5.504E-07
2	5	17	0.002005	0.00323	2	5	17	3.42E-07	5.503E-07
2	5	18	0.002005	0.00323	2	5	18	3.42E-07	5.503E-07
2	5	19	0.002005	0.00323	2	5	19	3.419E-07	5.503E-07
2	5	20	0.002005	0.00323	2	5	20	3.419E-07	5.503E-07
2	5	21	0.002005	0.00323	2	5	21	3.419E-07	5.502E-07
2	5	22	0.002005	0.00323	2	5	22	3.419E-07	5.502E-07
2	5	23	0.002005	0.00323	2	5	23	3.419E-07	5.502E-07
2	5	24	0.002005	0.00323	2	5	24	3.419E-07	5.502E-07
2	6	1	0.001811	0.00291	2	6	1	3.386E-07	5.448E-07
2	6	2	0.001811	0.00291	2	6	2	3.386E-07	5.448E-07
2	6	3	0.001811	0.00291	2	6	3	3.386E-07	5.448E-07
2	6	4	0.001811	0.00291	2	6	4	3.386E-07	5.448E-07
2	6	5	0.001811	0.00291	2	6	5	3.386E-07	5.448E-07
2	6	6	0.001811	0.00291	2	6	6	3.386E-07	5.448E-07
2	6	7	0.001811	0.00291	2	6	7	3.386E-07	5.448E-07
2	6	8	0.001811	0.00291	2	6	8	3.386E-07	5.448E-07
2	6	9	0.001811	0.00291	2	6	9	3.386E-07	5.448E-07
2	6	10	0.001811	0.00291	2	6	10	3.386E-07	5.449E-07
2	6	11	0.001811	0.00291	2	6	11	3.386E-07	5.449E-07
2	6	12	0.001811	0.00291	2	6	12	3.386E-07	5.449E-07
2	6	13	0.001811	0.00291	2	6	13	3.386E-07	5.45E-07
2	6	14	0.001811	0.00291	2	6	14	3.386E-07	5.45E-07
2	6	15	0.001811	0.00291	2	6	15	3.386E-07	5.45E-07
2	6	16	0.001811	0.00291	2	6	16	3.386E-07	5.45E-07
2	6	17	0.001811	0.00291	2	6	17	3.386E-07	5.45E-07
2	6	18	0.001811	0.00291	2	6	18	3.386E-07	5.45E-07
2	6	19	0.001811	0.00291	2	6	19	3.386E-07	5.45E-07
2	6	20	0.001811	0.00291	2	6	20	3.386E-07	5.449E-07
2	6	21	0.001811	0.00291	2	6	21	3.386E-07	5.449E-07
2	6	22	0.001811	0.00291	2	6	22	3.386E-07	5.448E-07
2	6	23	0.001811	0.00291	2	6	23	3.386E-07	5.448E-07
2	6	24	0.001811	0.00291	2	6	24	3.386E-07	5.448E-07
2	7	1	0.001689	0.00272	2	7	1	3.368E-07	5.42E-07
2	7	2	0.001689	0.00272	2	7	2	3.368E-07	5.42E-07
2	7	3	0.001689	0.00272	2	7	3	3.368E-07	5.42E-07
2	7	4	0.001689	0.00272	2	7	4	3.368E-07	5.42E-07
2	7	5	0.001689	0.00272	2	7	5	3.368E-07	5.42E-07
2	7	6	0.001689	0.00272	2	7	6	3.368E-07	5.42E-07
2	7	7	0.001689	0.00272	2	7	7	3.368E-07	5.42E-07
2	7	8	0.001689	0.00272	2	7	8	3.368E-07	5.42E-07
2	7	9	0.001689	0.00272	2	7	9	3.368E-07	5.42E-07
2	7	10	0.001689	0.00272	2	7	10	3.368E-07	5.42E-07
2	7	11	0.001689	0.00272	2	7	11	3.368E-07	5.42E-07
2	7	12	0.001689	0.00272	2	7	12	3.368E-07	5.42E-07
2	7	13	0.001689	0.00272	2	7	13	3.368E-07	5.421E-07
2	7	14	0.001689	0.00272	2	7	14	3.368E-07	5.421E-07
2	7	15	0.001689	0.00272	2	7	15	3.368E-07	5.421E-07
2	7	16	0.001689	0.00272	2	7	16	3.368E-07	5.421E-07
2	7	17	0.001689	0.00272	2	7	17	3.368E-07	5.421E-07
2	7	18	0.001689	0.00272	2	7	18	3.368E-07	5.421E-07

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	7	19	0.001689	0.00272	2	7	19	3.368E-07	5.421E-07
2	7	20	0.001689	0.00272	2	7	20	3.368E-07	5.42E-07
2	7	21	0.001689	0.00272	2	7	21	3.368E-07	5.42E-07
2	7	22	0.001689	0.00272	2	7	22	3.368E-07	5.42E-07
2	7	23	0.001689	0.00272	2	7	23	3.368E-07	5.42E-07
2	7	24	0.001689	0.00272	2	7	24	3.368E-07	5.42E-07
2	12	1	0.001538	0.00248	2	12	1	3.827E-07	6.159E-07
2	12	2	0.001538	0.00248	2	12	2	3.827E-07	6.159E-07
2	12	3	0.001538	0.00248	2	12	3	3.827E-07	6.159E-07
2	12	4	0.001538	0.00248	2	12	4	3.827E-07	6.159E-07
2	12	5	0.001538	0.00248	2	12	5	3.827E-07	6.159E-07
2	12	6	0.001538	0.00248	2	12	6	3.827E-07	6.159E-07
2	12	7	0.001538	0.00248	2	12	7	3.827E-07	6.159E-07
2	12	8	0.001538	0.00248	2	12	8	3.827E-07	6.159E-07
2	12	9	0.001538	0.00248	2	12	9	3.827E-07	6.159E-07
2	12	10	0.001538	0.00248	2	12	10	3.827E-07	6.159E-07
2	12	11	0.001538	0.00248	2	12	11	3.827E-07	6.159E-07
2	12	12	0.001538	0.00248	2	12	12	3.827E-07	6.16E-07
2	12	13	0.001538	0.00248	2	12	13	3.828E-07	6.16E-07
2	12	14	0.001538	0.00248	2	12	14	3.828E-07	6.16E-07
2	12	15	0.001538	0.00248	2	12	15	3.828E-07	6.16E-07
2	12	16	0.001538	0.00248	2	12	16	3.828E-07	6.16E-07
2	12	17	0.001538	0.00248	2	12	17	3.828E-07	6.16E-07
2	12	18	0.001538	0.00248	2	12	18	3.828E-07	6.16E-07
2	12	19	0.001538	0.00248	2	12	19	3.828E-07	6.16E-07
2	12	20	0.001538	0.00248	2	12	20	3.827E-07	6.16E-07
2	12	21	0.001538	0.00248	2	12	21	3.827E-07	6.159E-07
2	12	22	0.001538	0.00248	2	12	22	3.827E-07	6.159E-07
2	12	23	0.001538	0.00248	2	12	23	3.827E-07	6.159E-07
2	12	24	0.001538	0.00248	2	12	24	3.827E-07	6.159E-07
2	13	1	0.001522	0.00245	2	13	1	3.897E-07	6.272E-07
2	13	2	0.001522	0.00245	2	13	2	3.897E-07	6.272E-07
2	13	3	0.001522	0.00245	2	13	3	3.897E-07	6.272E-07
2	13	4	0.001522	0.00245	2	13	4	3.897E-07	6.272E-07
2	13	5	0.001522	0.00245	2	13	5	3.897E-07	6.272E-07
2	13	6	0.001522	0.00245	2	13	6	3.897E-07	6.272E-07
2	13	7	0.001522	0.00245	2	13	7	3.897E-07	6.272E-07
2	13	8	0.001522	0.00245	2	13	8	3.897E-07	6.272E-07
2	13	9	0.001522	0.00245	2	13	9	3.897E-07	6.272E-07
2	13	10	0.001522	0.00245	2	13	10	3.897E-07	6.272E-07
2	13	11	0.001522	0.00245	2	13	11	3.897E-07	6.272E-07
2	13	12	0.001522	0.00245	2	13	12	3.898E-07	6.273E-07
2	13	13	0.001522	0.00245	2	13	13	3.898E-07	6.273E-07
2	13	14	0.001522	0.00245	2	13	14	3.898E-07	6.273E-07
2	13	15	0.001522	0.00245	2	13	15	3.898E-07	6.273E-07
2	13	16	0.001522	0.00245	2	13	16	3.898E-07	6.273E-07
2	13	17	0.001522	0.00245	2	13	17	3.898E-07	6.273E-07
2	13	18	0.001522	0.00245	2	13	18	3.898E-07	6.273E-07
2	13	19	0.001522	0.00245	2	13	19	3.898E-07	6.273E-07
2	13	20	0.001522	0.00245	2	13	20	3.898E-07	6.272E-07
2	13	21	0.001522	0.00245	2	13	21	3.897E-07	6.272E-07
2	13	22	0.001522	0.00245	2	13	22	3.897E-07	6.272E-07
2	13	23	0.001522	0.00245	2	13	23	3.897E-07	6.272E-07
2	13	24	0.001522	0.00245	2	13	24	3.897E-07	6.272E-07
2	15	1	0.001607	0.00259	2	15	1	4.349E-07	6.999E-07
2	15	2	0.001607	0.00259	2	15	2	4.349E-07	6.999E-07
2	15	3	0.001607	0.00259	2	15	3	4.349E-07	6.999E-07

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	15	4	0.001607	0.00259	2	15	4	4.349E-07	6.999E-07
2	15	5	0.001607	0.00259	2	15	5	4.349E-07	6.999E-07
2	15	6	0.001607	0.00259	2	15	6	4.349E-07	6.999E-07
2	15	7	0.001607	0.00259	2	15	7	4.349E-07	6.999E-07
2	15	8	0.001607	0.00259	2	15	8	4.349E-07	6.999E-07
2	15	9	0.001607	0.00259	2	15	9	4.349E-07	6.999E-07
2	15	10	0.001607	0.00259	2	15	10	4.349E-07	6.999E-07
2	15	11	0.001607	0.00259	2	15	11	4.349E-07	6.999E-07
2	15	12	0.001607	0.00259	2	15	12	4.349E-07	6.999E-07
2	15	13	0.001607	0.00259	2	15	13	4.349E-07	7E-07
2	15	14	0.001607	0.00259	2	15	14	4.349E-07	7E-07
2	15	15	0.001607	0.00259	2	15	15	4.35E-07	7E-07
2	15	16	0.001607	0.00259	2	15	16	4.35E-07	7E-07
2	15	17	0.001607	0.00259	2	15	17	4.35E-07	7E-07
2	15	18	0.001607	0.00259	2	15	18	4.349E-07	7E-07
2	15	19	0.001607	0.00259	2	15	19	4.349E-07	7E-07
2	15	20	0.001607	0.00259	2	15	20	4.349E-07	6.999E-07
2	15	21	0.001607	0.00259	2	15	21	4.349E-07	6.999E-07
2	15	22	0.001607	0.00259	2	15	22	4.349E-07	6.999E-07
2	15	23	0.001607	0.00259	2	15	23	4.349E-07	6.999E-07
2	15	24	0.001607	0.00259	2	15	24	4.349E-07	6.999E-07
3	7	1	0.001771	0.00285	3	7	1	4.125E-07	6.638E-07
3	7	2	0.001771	0.00285	3	7	2	4.125E-07	6.638E-07
3	7	3	0.001771	0.00285	3	7	3	4.125E-07	6.638E-07
3	7	4	0.001771	0.00285	3	7	4	4.125E-07	6.638E-07
3	7	5	0.001771	0.00285	3	7	5	4.125E-07	6.638E-07
3	7	6	0.001771	0.00285	3	7	6	4.125E-07	6.638E-07
3	7	7	0.001771	0.00285	3	7	7	4.125E-07	6.638E-07
3	7	8	0.001771	0.00285	3	7	8	4.125E-07	6.638E-07
3	7	9	0.001771	0.00285	3	7	9	4.125E-07	6.638E-07
3	7	10	0.001771	0.00285	3	7	10	4.125E-07	6.638E-07
3	7	11	0.001771	0.00285	3	7	11	4.125E-07	6.639E-07
3	7	12	0.001771	0.00285	3	7	12	4.125E-07	6.639E-07
3	7	13	0.001771	0.00285	3	7	13	4.126E-07	6.639E-07
3	7	14	0.001771	0.00285	3	7	14	4.126E-07	6.64E-07
3	7	15	0.001771	0.00285	3	7	15	4.126E-07	6.64E-07
3	7	16	0.001771	0.00285	3	7	16	4.126E-07	6.64E-07
3	7	17	0.001771	0.00285	3	7	17	4.126E-07	6.64E-07
3	7	18	0.001771	0.00285	3	7	18	4.126E-07	6.64E-07
3	7	19	0.001771	0.00285	3	7	19	4.125E-07	6.639E-07
3	7	20	0.001771	0.00285	3	7	20	4.125E-07	6.639E-07
3	7	21	0.001771	0.00285	3	7	21	4.125E-07	6.638E-07
3	7	22	0.001771	0.00285	3	7	22	4.125E-07	6.638E-07
3	7	23	0.001771	0.00285	3	7	23	4.125E-07	6.638E-07
3	7	24	0.001771	0.00285	3	7	24	4.125E-07	6.638E-07
3	8	1	0.001689	0.00272	3	8	1	4.088E-07	6.579E-07
3	8	2	0.001689	0.00272	3	8	2	4.088E-07	6.579E-07
3	8	3	0.001689	0.00272	3	8	3	4.088E-07	6.579E-07
3	8	4	0.001689	0.00272	3	8	4	4.088E-07	6.579E-07
3	8	5	0.001689	0.00272	3	8	5	4.088E-07	6.579E-07
3	8	6	0.001689	0.00272	3	8	6	4.088E-07	6.579E-07
3	8	7	0.001689	0.00272	3	8	7	4.088E-07	6.579E-07
3	8	8	0.001689	0.00272	3	8	8	4.088E-07	6.579E-07
3	8	9	0.001689	0.00272	3	8	9	4.088E-07	6.579E-07
3	8	10	0.001689	0.00272	3	8	10	4.088E-07	6.58E-07
3	8	11	0.001689	0.00272	3	8	11	4.089E-07	6.58E-07
3	8	12	0.001689	0.00272	3	8	12	4.089E-07	6.58E-07

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
3	8	13	0.001689	0.00272	3	8	13	4.089E-07	6.581E-07
3	8	14	0.001689	0.00272	3	8	14	4.089E-07	6.581E-07
3	8	15	0.001689	0.00272	3	8	15	4.089E-07	6.581E-07
3	8	16	0.001689	0.00272	3	8	16	4.089E-07	6.581E-07
3	8	17	0.001689	0.00272	3	8	17	4.089E-07	6.581E-07
3	8	18	0.001689	0.00272	3	8	18	4.089E-07	6.581E-07
3	8	19	0.001689	0.00272	3	8	19	4.089E-07	6.58E-07
3	8	20	0.001689	0.00272	3	8	20	4.089E-07	6.58E-07
3	8	21	0.001689	0.00272	3	8	21	4.088E-07	6.58E-07
3	8	22	0.001689	0.00272	3	8	22	4.088E-07	6.579E-07
3	8	23	0.001689	0.00272	3	8	23	4.088E-07	6.579E-07
3	8	24	0.001689	0.00272	3	8	24	4.088E-07	6.579E-07
3	11	1	0.001579	0.00254	3	11	1	4.172E-07	6.713E-07
3	11	2	0.001579	0.00254	3	11	2	4.172E-07	6.713E-07
3	11	3	0.001579	0.00254	3	11	3	4.172E-07	6.713E-07
3	11	4	0.001579	0.00254	3	11	4	4.172E-07	6.713E-07
3	11	5	0.001579	0.00254	3	11	5	4.172E-07	6.713E-07
3	11	6	0.001579	0.00254	3	11	6	4.172E-07	6.713E-07
3	11	7	0.001579	0.00254	3	11	7	4.172E-07	6.713E-07
3	11	8	0.001579	0.00254	3	11	8	4.172E-07	6.713E-07
3	11	9	0.001579	0.00254	3	11	9	4.172E-07	6.713E-07
3	11	10	0.001579	0.00254	3	11	10	4.172E-07	6.714E-07
3	11	11	0.001579	0.00254	3	11	11	4.172E-07	6.714E-07
3	11	12	0.001579	0.00254	3	11	12	4.172E-07	6.714E-07
3	11	13	0.001579	0.00254	3	11	13	4.172E-07	6.714E-07
3	11	14	0.001579	0.00254	3	11	14	4.172E-07	6.715E-07
3	11	15	0.001579	0.00254	3	11	15	4.172E-07	6.715E-07
3	11	16	0.001579	0.00254	3	11	16	4.172E-07	6.715E-07
3	11	17	0.001579	0.00254	3	11	17	4.172E-07	6.715E-07
3	11	18	0.001579	0.00254	3	11	18	4.172E-07	6.714E-07
3	11	19	0.001579	0.00254	3	11	19	4.172E-07	6.714E-07
3	11	20	0.001579	0.00254	3	11	20	4.172E-07	6.714E-07
3	11	21	0.001579	0.00254	3	11	21	4.172E-07	6.714E-07
3	11	22	0.001579	0.00254	3	11	22	4.172E-07	6.713E-07
3	11	23	0.001579	0.00254	3	11	23	4.172E-07	6.713E-07
3	11	24	0.001579	0.00254	3	11	24	4.172E-07	6.713E-07

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	6	1	0.015022	0.02418	5	6	1	2.123E-05	3.416E-05
5	6	2	0.015022	0.02418	5	6	2	2.123E-05	3.416E-05
5	6	3	0.015022	0.02418	5	6	3	2.123E-05	3.416E-05
5	6	4	0.015022	0.02418	5	6	4	2.123E-05	3.416E-05
5	6	5	0.015022	0.02418	5	6	5	2.123E-05	3.416E-05
5	6	6	0.015022	0.02418	5	6	6	2.123E-05	3.416E-05
5	6	7	0.015022	0.02418	5	6	7	2.123E-05	3.416E-05
5	6	8	0.015022	0.02418	5	6	8	2.123E-05	3.416E-05
5	6	9	0.015022	0.02418	5	6	9	2.123E-05	3.416E-05
5	6	10	0.015022	0.02418	5	6	10	2.123E-05	3.416E-05
5	6	11	0.015022	0.02418	5	6	11	2.123E-05	3.416E-05
5	6	12	0.015022	0.02418	5	6	12	2.123E-05	3.416E-05
5	6	13	0.015022	0.02418	5	6	13	2.123E-05	3.416E-05
5	6	14	0.015022	0.02418	5	6	14	2.123E-05	3.416E-05
5	6	15	0.015022	0.02418	5	6	15	2.123E-05	3.416E-05
5	6	16	0.015022	0.02418	5	6	16	2.123E-05	3.416E-05
5	6	17	0.015022	0.02418	5	6	17	2.123E-05	3.416E-05
5	6	18	0.015022	0.02418	5	6	18	2.123E-05	3.416E-05
5	6	19	0.015022	0.02418	5	6	19	2.123E-05	3.416E-05
5	6	20	0.015022	0.02418	5	6	20	2.123E-05	3.416E-05
5	6	21	0.015022	0.02418	5	6	21	2.123E-05	3.416E-05
5	6	22	0.015022	0.02418	5	6	22	2.123E-05	3.416E-05
5	6	23	0.015022	0.02418	5	6	23	2.123E-05	3.416E-05
5	6	24	0.015022	0.02418	5	6	24	2.123E-05	3.416E-05
5	8	1	0.001685	0.00271	5	8	1	3.989E-07	6.42E-07
5	8	2	0.001685	0.00271	5	8	2	3.989E-07	6.42E-07
5	8	3	0.001685	0.00271	5	8	3	3.989E-07	6.42E-07
5	8	4	0.001685	0.00271	5	8	4	3.989E-07	6.42E-07
5	8	5	0.001685	0.00271	5	8	5	3.989E-07	6.42E-07
5	8	6	0.001685	0.00271	5	8	6	3.989E-07	6.42E-07
5	8	7	0.001685	0.00271	5	8	7	3.989E-07	6.42E-07
5	8	8	0.001685	0.00271	5	8	8	3.989E-07	6.42E-07
5	8	9	0.001685	0.00271	5	8	9	3.989E-07	6.42E-07
5	8	10	0.001685	0.00271	5	8	10	3.989E-07	6.42E-07
5	8	11	0.001685	0.00271	5	8	11	3.989E-07	6.42E-07
5	8	12	0.001685	0.00271	5	8	12	3.989E-07	6.42E-07
5	8	13	0.001685	0.00271	5	8	13	3.99E-07	6.421E-07
5	8	14	0.001685	0.00271	5	8	14	3.99E-07	6.421E-07
5	8	15	0.001685	0.00271	5	8	15	3.99E-07	6.421E-07
5	8	16	0.001685	0.00271	5	8	16	3.99E-07	6.421E-07
5	8	17	0.001685	0.00271	5	8	17	3.99E-07	6.421E-07
5	8	18	0.001685	0.00271	5	8	18	3.99E-07	6.421E-07
5	8	19	0.001685	0.00271	5	8	19	3.99E-07	6.421E-07
5	8	20	0.001685	0.00271	5	8	20	3.989E-07	6.42E-07
5	8	21	0.001685	0.00271	5	8	21	3.989E-07	6.42E-07
5	8	22	0.001685	0.00271	5	8	22	3.989E-07	6.42E-07
5	8	23	0.001685	0.00271	5	8	23	3.989E-07	6.42E-07
5	8	24	0.001685	0.00271	5	8	24	3.989E-07	6.42E-07

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	11	1	0.001563	0.00252	5	11	1	3.905E-07	6.284E-07
5	11	2	0.001563	0.00252	5	11	2	3.905E-07	6.284E-07
5	11	3	0.001563	0.00252	5	11	3	3.905E-07	6.284E-07
5	11	4	0.001563	0.00252	5	11	4	3.905E-07	6.284E-07
5	11	5	0.001563	0.00252	5	11	5	3.905E-07	6.284E-07
5	11	6	0.001563	0.00252	5	11	6	3.905E-07	6.284E-07
5	11	7	0.001563	0.00252	5	11	7	3.905E-07	6.284E-07
5	11	8	0.001563	0.00252	5	11	8	3.905E-07	6.284E-07
5	11	9	0.001563	0.00252	5	11	9	3.905E-07	6.284E-07
5	11	10	0.001563	0.00252	5	11	10	3.905E-07	6.284E-07
5	11	11	0.001563	0.00252	5	11	11	3.905E-07	6.284E-07
5	11	12	0.001563	0.00252	5	11	12	3.905E-07	6.285E-07
5	11	13	0.001563	0.00252	5	11	13	3.905E-07	6.285E-07
5	11	14	0.001563	0.00252	5	11	14	3.905E-07	6.285E-07
5	11	15	0.001563	0.00252	5	11	15	3.905E-07	6.285E-07
5	11	16	0.001563	0.00252	5	11	16	3.905E-07	6.285E-07
5	11	17	0.001563	0.00252	5	11	17	3.905E-07	6.285E-07
5	11	18	0.001563	0.00252	5	11	18	3.905E-07	6.285E-07
5	11	19	0.001563	0.00252	5	11	19	3.905E-07	6.285E-07
5	11	20	0.001563	0.00252	5	11	20	3.905E-07	6.284E-07
5	11	21	0.001563	0.00252	5	11	21	3.905E-07	6.284E-07
5	11	22	0.001563	0.00252	5	11	22	3.905E-07	6.284E-07
5	11	23	0.001563	0.00252	5	11	23	3.905E-07	6.284E-07
5	11	24	0.001563	0.00252	5	11	24	3.905E-07	6.284E-07
5	7	1	0.001771	0.00285	5	7	1	4.125E-07	6.638E-07
5	7	2	0.001771	0.00285	5	7	2	4.125E-07	6.638E-07
5	7	3	0.001771	0.00285	5	7	3	4.125E-07	6.638E-07
5	7	4	0.001771	0.00285	5	7	4	4.125E-07	6.638E-07
5	7	5	0.001771	0.00285	5	7	5	4.125E-07	6.638E-07
5	7	6	0.001771	0.00285	5	7	6	4.125E-07	6.638E-07
5	7	7	0.001771	0.00285	5	7	7	4.125E-07	6.638E-07
5	7	8	0.001771	0.00285	5	7	8	4.125E-07	6.638E-07
5	7	9	0.001771	0.00285	5	7	9	4.125E-07	6.638E-07
5	7	10	0.001771	0.00285	5	7	10	4.125E-07	6.638E-07
5	7	11	0.001771	0.00285	5	7	11	4.125E-07	6.639E-07
5	7	12	0.001771	0.00285	5	7	12	4.125E-07	6.639E-07
5	7	13	0.001771	0.00285	5	7	13	4.126E-07	6.639E-07
5	7	14	0.001771	0.00285	5	7	14	4.126E-07	6.64E-07
5	7	15	0.001771	0.00285	5	7	15	4.126E-07	6.64E-07
5	7	16	0.001771	0.00285	5	7	16	4.126E-07	6.64E-07
5	7	17	0.001771	0.00285	5	7	17	4.126E-07	6.64E-07
5	7	18	0.001771	0.00285	5	7	18	4.126E-07	6.64E-07
5	7	19	0.001771	0.00285	5	7	19	4.125E-07	6.639E-07
5	7	20	0.001771	0.00285	5	7	20	4.125E-07	6.639E-07
5	7	21	0.001771	0.00285	5	7	21	4.125E-07	6.638E-07
5	7	22	0.001771	0.00285	5	7	22	4.125E-07	6.638E-07
5	7	23	0.001771	0.00285	5	7	23	4.125E-07	6.638E-07
5	7	24	0.001771	0.00285	5	7	24	4.125E-07	6.638E-07

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
1	0	1	0.00994	0.015997	1	0	1	0.008943	0.014393
1	0	2	0.00994	0.015997	1	0	2	0.008943	0.014393
1	0	3	0.00994	0.015997	1	0	3	0.008943	0.014393
1	0	4	0.00994	0.015997	1	0	4	0.008943	0.014393
1	0	5	0.00994	0.015997	1	0	5	0.008943	0.014393
1	0	6	0.00994	0.015997	1	0	6	0.008943	0.014393
1	0	7	0.00994	0.015997	1	0	7	0.008943	0.014393
1	0	8	0.00994	0.015997	1	0	8	0.008943	0.014393
1	0	9	0.00994	0.015997	1	0	9	0.008943	0.014393
1	0	10	0.00994	0.015997	1	0	10	0.008943	0.014393
1	0	11	0.00994	0.015997	1	0	11	0.008943	0.014393
1	0	12	0.00994	0.015997	1	0	12	0.008943	0.014393
1	0	13	0.00994	0.015997	1	0	13	0.008943	0.014393
1	0	14	0.00994	0.015997	1	0	14	0.008943	0.014393
1	0	15	0.00994	0.015997	1	0	15	0.008943	0.014393
1	0	16	0.00994	0.015997	1	0	16	0.008943	0.014393
1	0	17	0.00994	0.015997	1	0	17	0.008943	0.014393
1	0	18	0.00994	0.015997	1	0	18	0.008943	0.014393
1	0	19	0.00994	0.015997	1	0	19	0.008943	0.014393
1	0	20	0.00994	0.015997	1	0	20	0.008943	0.014393
1	0	21	0.00994	0.015997	1	0	21	0.008943	0.014393
1	0	22	0.00994	0.015997	1	0	22	0.008943	0.014393
1	0	23	0.00994	0.015997	1	0	23	0.008943	0.014393
1	0	24	0.00994	0.015997	1	0	24	0.008943	0.014393
2	1	1	0.696926	1.121594	2	1	1	0.092812	0.149367
2	1	2	0.696926	1.121594	2	1	2	0.092812	0.149367
2	1	3	0.696926	1.121594	2	1	3	0.092812	0.149367
2	1	4	0.696926	1.121594	2	1	4	0.092812	0.149367
2	1	5	0.696926	1.121594	2	1	5	0.092812	0.149367
2	1	6	0.696926	1.121594	2	1	6	0.092812	0.149367
2	1	7	0.696926	1.121594	2	1	7	0.092812	0.149367
2	1	8	0.696926	1.121594	2	1	8	0.092812	0.149367
2	1	9	0.696926	1.121594	2	1	9	0.092812	0.149367
2	1	10	0.696926	1.121594	2	1	10	0.092812	0.149367
2	1	11	0.696926	1.121594	2	1	11	0.092812	0.149367
2	1	12	0.696926	1.121594	2	1	12	0.092812	0.149367
2	1	13	0.696926	1.121594	2	1	13	0.092812	0.149367
2	1	14	0.696926	1.121594	2	1	14	0.092812	0.149367
2	1	15	0.696926	1.121594	2	1	15	0.092812	0.149367
2	1	16	0.696926	1.121594	2	1	16	0.092812	0.149367
2	1	17	0.696926	1.121594	2	1	17	0.092812	0.149367
2	1	18	0.696926	1.121594	2	1	18	0.092812	0.149367
2	1	19	0.696926	1.121594	2	1	19	0.092812	0.149367
2	1	20	0.696926	1.121594	2	1	20	0.092812	0.149367
2	1	21	0.696926	1.121594	2	1	21	0.092812	0.149367
2	1	22	0.696926	1.121594	2	1	22	0.092812	0.149367
2	1	23	0.696926	1.121594	2	1	23	0.092812	0.149367
2	1	24	0.696926	1.121594	2	1	24	0.092812	0.149367
2	5	1	0.15811	0.254454	2	5	1	0.021762	0.035022
2	5	2	0.15811	0.254454	2	5	2	0.021762	0.035022
2	5	3	0.15811	0.254454	2	5	3	0.021762	0.035022
2	5	4	0.15811	0.254454	2	5	4	0.021762	0.035022
2	5	5	0.15811	0.254454	2	5	5	0.021762	0.035022
2	5	6	0.15811	0.254454	2	5	6	0.021762	0.035022
2	5	7	0.15811	0.254454	2	5	7	0.021762	0.035022
2	5	8	0.15811	0.254454	2	5	8	0.021762	0.035022
2	5	9	0.15811	0.254454	2	5	9	0.021762	0.035022

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	5	10	0.15811	0.254454	2	5	10	0.021762	0.035022
2	5	11	0.15811	0.254454	2	5	11	0.021762	0.035022
2	5	12	0.15811	0.254454	2	5	12	0.021762	0.035022
2	5	13	0.15811	0.254454	2	5	13	0.021762	0.035022
2	5	14	0.15811	0.254454	2	5	14	0.021762	0.035022
2	5	15	0.15811	0.254454	2	5	15	0.021762	0.035022
2	5	16	0.15811	0.254454	2	5	16	0.021762	0.035022
2	5	17	0.15811	0.254454	2	5	17	0.021762	0.035022
2	5	18	0.15811	0.254454	2	5	18	0.021762	0.035022
2	5	19	0.15811	0.254454	2	5	19	0.021762	0.035022
2	5	20	0.15811	0.254454	2	5	20	0.021762	0.035022
2	5	21	0.15811	0.254454	2	5	21	0.021762	0.035022
2	5	22	0.15811	0.254454	2	5	22	0.021762	0.035022
2	5	23	0.15811	0.254454	2	5	23	0.021762	0.035022
2	5	24	0.15811	0.254454	2	5	24	0.021762	0.035022
2	6	1	0.124354	0.200128	2	6	1	0.017488	0.028144
2	6	2	0.124354	0.200128	2	6	2	0.017488	0.028144
2	6	3	0.124354	0.200128	2	6	3	0.017488	0.028144
2	6	4	0.124354	0.200128	2	6	4	0.017488	0.028144
2	6	5	0.124354	0.200128	2	6	5	0.017488	0.028144
2	6	6	0.124354	0.200128	2	6	6	0.017488	0.028144
2	6	7	0.124354	0.200128	2	6	7	0.017488	0.028144
2	6	8	0.124354	0.200128	2	6	8	0.017488	0.028144
2	6	9	0.124354	0.200128	2	6	9	0.017488	0.028144
2	6	10	0.124354	0.200128	2	6	10	0.017488	0.028144
2	6	11	0.124354	0.200128	2	6	11	0.017488	0.028144
2	6	12	0.124354	0.200128	2	6	12	0.017488	0.028144
2	6	13	0.124354	0.200128	2	6	13	0.017488	0.028144
2	6	14	0.124354	0.200128	2	6	14	0.017488	0.028144
2	6	15	0.124354	0.200128	2	6	15	0.017488	0.028144
2	6	16	0.124354	0.200128	2	6	16	0.017488	0.028144
2	6	17	0.124354	0.200128	2	6	17	0.017488	0.028144
2	6	18	0.124354	0.200128	2	6	18	0.017488	0.028144
2	6	19	0.124354	0.200128	2	6	19	0.017488	0.028144
2	6	20	0.124354	0.200128	2	6	20	0.017488	0.028144
2	6	21	0.124354	0.200128	2	6	21	0.017488	0.028144
2	6	22	0.124354	0.200128	2	6	22	0.017488	0.028144
2	6	23	0.124354	0.200128	2	6	23	0.017488	0.028144
2	6	24	0.124354	0.200128	2	6	24	0.017488	0.028144
2	7	1	0.101129	0.162751	2	7	1	0.014559	0.02343
2	7	2	0.101129	0.162751	2	7	2	0.014559	0.02343
2	7	3	0.101129	0.162751	2	7	3	0.014559	0.02343
2	7	4	0.101129	0.162751	2	7	4	0.014559	0.02343
2	7	5	0.101129	0.162751	2	7	5	0.014559	0.02343
2	7	6	0.101129	0.162751	2	7	6	0.014559	0.02343
2	7	7	0.101129	0.162751	2	7	7	0.014559	0.02343
2	7	8	0.101129	0.162751	2	7	8	0.014559	0.02343
2	7	9	0.101129	0.162751	2	7	9	0.014559	0.02343
2	7	10	0.101129	0.162751	2	7	10	0.014559	0.02343
2	7	11	0.101129	0.162751	2	7	11	0.014559	0.02343
2	7	12	0.101129	0.162751	2	7	12	0.014559	0.02343
2	7	13	0.101129	0.162751	2	7	13	0.014559	0.02343
2	7	14	0.101129	0.162751	2	7	14	0.014559	0.02343
2	7	15	0.101129	0.162751	2	7	15	0.014559	0.02343
2	7	16	0.101129	0.162751	2	7	16	0.014559	0.02343
2	7	17	0.101129	0.162751	2	7	17	0.014559	0.02343
2	7	18	0.101129	0.162751	2	7	18	0.014559	0.02343

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	7	19	0.101129	0.162751	2	7	19	0.014559	0.02343
2	7	20	0.101129	0.162751	2	7	20	0.014559	0.02343
2	7	21	0.101129	0.162751	2	7	21	0.014559	0.02343
2	7	22	0.101129	0.162751	2	7	22	0.014559	0.02343
2	7	23	0.101129	0.162751	2	7	23	0.014559	0.02343
2	7	24	0.101129	0.162751	2	7	24	0.014559	0.02343
2	12	1	0.033958	0.054651	2	12	1	0.006084	0.009791
2	12	2	0.033958	0.054651	2	12	2	0.006084	0.009791
2	12	3	0.033958	0.054651	2	12	3	0.006084	0.009791
2	12	4	0.033958	0.054651	2	12	4	0.006084	0.009791
2	12	5	0.033958	0.054651	2	12	5	0.006084	0.009791
2	12	6	0.033958	0.054651	2	12	6	0.006084	0.009791
2	12	7	0.033958	0.054651	2	12	7	0.006084	0.009791
2	12	8	0.033958	0.054651	2	12	8	0.006084	0.009791
2	12	9	0.033958	0.054651	2	12	9	0.006084	0.009791
2	12	10	0.033958	0.054651	2	12	10	0.006084	0.009791
2	12	11	0.033958	0.054651	2	12	11	0.006084	0.009791
2	12	12	0.033958	0.054651	2	12	12	0.006084	0.009791
2	12	13	0.033958	0.054651	2	12	13	0.006084	0.009791
2	12	14	0.033958	0.054651	2	12	14	0.006084	0.009791
2	12	15	0.033958	0.054651	2	12	15	0.006084	0.009791
2	12	16	0.033958	0.054651	2	12	16	0.006084	0.009791
2	12	17	0.033958	0.054651	2	12	17	0.006084	0.009791
2	12	18	0.033958	0.054651	2	12	18	0.006084	0.009791
2	12	19	0.033958	0.054651	2	12	19	0.006084	0.009791
2	12	20	0.033958	0.054651	2	12	20	0.006084	0.009791
2	12	21	0.033958	0.054651	2	12	21	0.006084	0.009791
2	12	22	0.033958	0.054651	2	12	22	0.006084	0.009791
2	12	23	0.033958	0.054651	2	12	23	0.006084	0.009791
2	12	24	0.033958	0.054651	2	12	24	0.006084	0.009791
2	13	1	0.027047	0.043528	2	13	1	0.005206	0.008378
2	13	2	0.027047	0.043528	2	13	2	0.005206	0.008378
2	13	3	0.027047	0.043528	2	13	3	0.005206	0.008378
2	13	4	0.027047	0.043528	2	13	4	0.005206	0.008378
2	13	5	0.027047	0.043528	2	13	5	0.005206	0.008378
2	13	6	0.027047	0.043528	2	13	6	0.005206	0.008378
2	13	7	0.027047	0.043528	2	13	7	0.005206	0.008378
2	13	8	0.027047	0.043528	2	13	8	0.005206	0.008378
2	13	9	0.027047	0.043528	2	13	9	0.005206	0.008378
2	13	10	0.027047	0.043528	2	13	10	0.005206	0.008378
2	13	11	0.027047	0.043528	2	13	11	0.005206	0.008378
2	13	12	0.027047	0.043528	2	13	12	0.005206	0.008378
2	13	13	0.027047	0.043528	2	13	13	0.005206	0.008378
2	13	14	0.027047	0.043528	2	13	14	0.005206	0.008378
2	13	15	0.027047	0.043528	2	13	15	0.005206	0.008378
2	13	16	0.027047	0.043528	2	13	16	0.005206	0.008378
2	13	17	0.027047	0.043528	2	13	17	0.005206	0.008378
2	13	18	0.027047	0.043528	2	13	18	0.005206	0.008378
2	13	19	0.027047	0.043528	2	13	19	0.005206	0.008378
2	13	20	0.027047	0.043528	2	13	20	0.005206	0.008378
2	13	21	0.027047	0.043528	2	13	21	0.005206	0.008378
2	13	22	0.027047	0.043528	2	13	22	0.005206	0.008378
2	13	23	0.027047	0.043528	2	13	23	0.005206	0.008378
2	13	24	0.027047	0.043528	2	13	24	0.005206	0.008378
2	15	1	0.017857	0.028738	2	15	1	0.004196	0.006753
2	15	2	0.017857	0.028738	2	15	2	0.004196	0.006753
2	15	3	0.017857	0.028738	2	15	3	0.004196	0.006753

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
2	15	4	0.017857	0.028738	2	15	4	0.004196	0.006753
2	15	5	0.017857	0.028738	2	15	5	0.004196	0.006753
2	15	6	0.017857	0.028738	2	15	6	0.004196	0.006753
2	15	7	0.017857	0.028738	2	15	7	0.004196	0.006753
2	15	8	0.017857	0.028738	2	15	8	0.004196	0.006753
2	15	9	0.017857	0.028738	2	15	9	0.004196	0.006753
2	15	10	0.017857	0.028738	2	15	10	0.004196	0.006753
2	15	11	0.017857	0.028738	2	15	11	0.004196	0.006753
2	15	12	0.017857	0.028738	2	15	12	0.004196	0.006753
2	15	13	0.017857	0.028738	2	15	13	0.004196	0.006753
2	15	14	0.017857	0.028738	2	15	14	0.004196	0.006753
2	15	15	0.017857	0.028738	2	15	15	0.004196	0.006753
2	15	16	0.017857	0.028738	2	15	16	0.004196	0.006753
2	15	17	0.017857	0.028738	2	15	17	0.004196	0.006753
2	15	18	0.017857	0.028738	2	15	18	0.004196	0.006753
2	15	19	0.017857	0.028738	2	15	19	0.004196	0.006753
2	15	20	0.017857	0.028738	2	15	20	0.004196	0.006753
2	15	21	0.017857	0.028738	2	15	21	0.004196	0.006753
2	15	22	0.017857	0.028738	2	15	22	0.004196	0.006753
2	15	23	0.017857	0.028738	2	15	23	0.004196	0.006753
2	15	24	0.017857	0.028738	2	15	24	0.004196	0.006753
3	7	1	0.105697	0.170102	3	7	1	0.015369	0.024733
3	7	2	0.105697	0.170102	3	7	2	0.015369	0.024733
3	7	3	0.105697	0.170102	3	7	3	0.015369	0.024733
3	7	4	0.105697	0.170102	3	7	4	0.015369	0.024733
3	7	5	0.105697	0.170102	3	7	5	0.015369	0.024733
3	7	6	0.105697	0.170102	3	7	6	0.015369	0.024733
3	7	7	0.105697	0.170102	3	7	7	0.015369	0.024733
3	7	8	0.105697	0.170102	3	7	8	0.015369	0.024733
3	7	9	0.105697	0.170102	3	7	9	0.015369	0.024733
3	7	10	0.105697	0.170102	3	7	10	0.015369	0.024733
3	7	11	0.105697	0.170102	3	7	11	0.015369	0.024733
3	7	12	0.105697	0.170102	3	7	12	0.015369	0.024733
3	7	13	0.105697	0.170102	3	7	13	0.015369	0.024733
3	7	14	0.105697	0.170102	3	7	14	0.015369	0.024733
3	7	15	0.105697	0.170102	3	7	15	0.015369	0.024733
3	7	16	0.105697	0.170102	3	7	16	0.015369	0.024733
3	7	17	0.105697	0.170102	3	7	17	0.015369	0.024733
3	7	18	0.105697	0.170102	3	7	18	0.015369	0.024733
3	7	19	0.105697	0.170102	3	7	19	0.015369	0.024733
3	7	20	0.105697	0.170102	3	7	20	0.015369	0.024733
3	7	21	0.105697	0.170102	3	7	21	0.015369	0.024733
3	7	22	0.105697	0.170102	3	7	22	0.015369	0.024733
3	7	23	0.105697	0.170102	3	7	23	0.015369	0.024733
3	7	24	0.105697	0.170102	3	7	24	0.015369	0.024733
3	8	1	0.083146	0.13381	3	8	1	0.012482	0.020088
3	8	2	0.083146	0.13381	3	8	2	0.012482	0.020088
3	8	3	0.083146	0.13381	3	8	3	0.012482	0.020088
3	8	4	0.083146	0.13381	3	8	4	0.012482	0.020088
3	8	5	0.083146	0.13381	3	8	5	0.012482	0.020088
3	8	6	0.083146	0.13381	3	8	6	0.012482	0.020088
3	8	7	0.083146	0.13381	3	8	7	0.012482	0.020088
3	8	8	0.083146	0.13381	3	8	8	0.012482	0.020088
3	8	9	0.083146	0.13381	3	8	9	0.012482	0.020088
3	8	10	0.083146	0.13381	3	8	10	0.012482	0.020088
3	8	11	0.083146	0.13381	3	8	11	0.012482	0.020088
3	8	12	0.083146	0.13381	3	8	12	0.012482	0.020088

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
3	8	13	0.083146	0.13381	3	8	13	0.012482	0.020088
3	8	14	0.083146	0.13381	3	8	14	0.012482	0.020088
3	8	15	0.083146	0.13381	3	8	15	0.012482	0.020088
3	8	16	0.083146	0.13381	3	8	16	0.012482	0.020088
3	8	17	0.083146	0.13381	3	8	17	0.012482	0.020088
3	8	18	0.083146	0.13381	3	8	18	0.012482	0.020088
3	8	19	0.083146	0.13381	3	8	19	0.012482	0.020088
3	8	20	0.083146	0.13381	3	8	20	0.012482	0.020088
3	8	21	0.083146	0.13381	3	8	21	0.012482	0.020088
3	8	22	0.083146	0.13381	3	8	22	0.012482	0.020088
3	8	23	0.083146	0.13381	3	8	23	0.012482	0.020088
3	8	24	0.083146	0.13381	3	8	24	0.012482	0.020088
3	11	1	0.041355	0.066555	3	11	1	0.007159	0.011521
3	11	2	0.041355	0.066555	3	11	2	0.007159	0.011521
3	11	3	0.041355	0.066555	3	11	3	0.007159	0.011521
3	11	4	0.041355	0.066555	3	11	4	0.007159	0.011521
3	11	5	0.041355	0.066555	3	11	5	0.007159	0.011521
3	11	6	0.041355	0.066555	3	11	6	0.007159	0.011521
3	11	7	0.041355	0.066555	3	11	7	0.007159	0.011521
3	11	8	0.041355	0.066555	3	11	8	0.007159	0.011521
3	11	9	0.041355	0.066555	3	11	9	0.007159	0.011521
3	11	10	0.041355	0.066555	3	11	10	0.007159	0.011521
3	11	11	0.041355	0.066555	3	11	11	0.007159	0.011521
3	11	12	0.041355	0.066555	3	11	12	0.007159	0.011521
3	11	13	0.041355	0.066555	3	11	13	0.007159	0.011521
3	11	14	0.041355	0.066555	3	11	14	0.007159	0.011521
3	11	15	0.041355	0.066555	3	11	15	0.007159	0.011521
3	11	16	0.041355	0.066555	3	11	16	0.007159	0.011521
3	11	17	0.041355	0.066555	3	11	17	0.007159	0.011521
3	11	18	0.041355	0.066555	3	11	18	0.007159	0.011521
3	11	19	0.041355	0.066555	3	11	19	0.007159	0.011521
3	11	20	0.041355	0.066555	3	11	20	0.007159	0.011521
3	11	21	0.041355	0.066555	3	11	21	0.007159	0.011521
3	11	22	0.041355	0.066555	3	11	22	0.007159	0.011521
3	11	23	0.041355	0.066555	3	11	23	0.007159	0.011521
3	11	24	0.041355	0.066555	3	11	24	0.007159	0.011521

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	6	1	0.847214	1.363459	5	6	1	0.21975	0.353654
5	6	2	0.847214	1.363458	5	6	2	0.21975	0.353654
5	6	3	0.847214	1.363458	5	6	3	0.21975	0.353654
5	6	4	0.847214	1.363458	5	6	4	0.21975	0.353654
5	6	5	0.847214	1.363458	5	6	5	0.21975	0.353654
5	6	6	0.847214	1.363458	5	6	6	0.21975	0.353654
5	6	7	0.847214	1.363458	5	6	7	0.21975	0.353654
5	6	8	0.847214	1.363458	5	6	8	0.21975	0.353654
5	6	9	0.847214	1.363458	5	6	9	0.21975	0.353654
5	6	10	0.847214	1.363458	5	6	10	0.21975	0.353654
5	6	11	0.847214	1.363458	5	6	11	0.21975	0.353654
5	6	12	0.847214	1.363459	5	6	12	0.21975	0.353654
5	6	13	0.847214	1.363458	5	6	13	0.21975	0.353654
5	6	14	0.847214	1.363458	5	6	14	0.21975	0.353654
5	6	15	0.847214	1.363458	5	6	15	0.21975	0.353654
5	6	16	0.847214	1.363458	5	6	16	0.21975	0.353654
5	6	17	0.847214	1.363458	5	6	17	0.21975	0.353654
5	6	18	0.847214	1.363458	5	6	18	0.21975	0.353654
5	6	19	0.847214	1.363458	5	6	19	0.21975	0.353654
5	6	20	0.847214	1.363458	5	6	20	0.21975	0.353654
5	6	21	0.847214	1.363458	5	6	21	0.21975	0.353654
5	6	22	0.847214	1.363458	5	6	22	0.21975	0.353654
5	6	23	0.847214	1.363458	5	6	23	0.21975	0.353654
5	6	24	0.847214	1.363458	5	6	24	0.21975	0.353654
5	8	1	0.083686	0.13468	5	8	1	0.012511	0.020135
5	8	2	0.083686	0.13468	5	8	2	0.012511	0.020135
5	8	3	0.083686	0.13468	5	8	3	0.012511	0.020135
5	8	4	0.083686	0.13468	5	8	4	0.012511	0.020135
5	8	5	0.083686	0.13468	5	8	5	0.012511	0.020135
5	8	6	0.083686	0.13468	5	8	6	0.012511	0.020135
5	8	7	0.083686	0.13468	5	8	7	0.012511	0.020135
5	8	8	0.083686	0.13468	5	8	8	0.012511	0.020135
5	8	9	0.083686	0.13468	5	8	9	0.012511	0.020135
5	8	10	0.083686	0.13468	5	8	10	0.012511	0.020135
5	8	11	0.083686	0.13468	5	8	11	0.012511	0.020135
5	8	12	0.083686	0.13468	5	8	12	0.012511	0.020135
5	8	13	0.083686	0.13468	5	8	13	0.012511	0.020135
5	8	14	0.083686	0.13468	5	8	14	0.012511	0.020135
5	8	15	0.083686	0.13468	5	8	15	0.012511	0.020135
5	8	16	0.083686	0.13468	5	8	16	0.012511	0.020135
5	8	17	0.083686	0.13468	5	8	17	0.012511	0.020135
5	8	18	0.083686	0.13468	5	8	18	0.012511	0.020135
5	8	19	0.083686	0.13468	5	8	19	0.012511	0.020135
5	8	20	0.083686	0.13468	5	8	20	0.012511	0.020135
5	8	21	0.083686	0.13468	5	8	21	0.012511	0.020135
5	8	22	0.083686	0.13468	5	8	22	0.012511	0.020135
5	8	23	0.083686	0.13468	5	8	23	0.012511	0.020135
5	8	24	0.083686	0.13468	5	8	24	0.012511	0.020135

CAR Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	G/VMT CAR
5	11	1	0.040856	0.065751	5	11	1	0.007004	0.011273
5	11	2	0.040856	0.065751	5	11	2	0.007004	0.011273
5	11	3	0.040856	0.065751	5	11	3	0.007004	0.011273
5	11	4	0.040856	0.065751	5	11	4	0.007004	0.011273
5	11	5	0.040856	0.065751	5	11	5	0.007004	0.011273
5	11	6	0.040856	0.065751	5	11	6	0.007004	0.011273
5	11	7	0.040856	0.065751	5	11	7	0.007004	0.011273
5	11	8	0.040856	0.065751	5	11	8	0.007004	0.011273
5	11	9	0.040856	0.065751	5	11	9	0.007004	0.011273
5	11	10	0.040856	0.065751	5	11	10	0.007004	0.011273
5	11	11	0.040856	0.065751	5	11	11	0.007004	0.011273
5	11	12	0.040856	0.065751	5	11	12	0.007004	0.011273
5	11	13	0.040856	0.065751	5	11	13	0.007004	0.011273
5	11	14	0.040856	0.065751	5	11	14	0.007004	0.011273
5	11	15	0.040856	0.065751	5	11	15	0.007004	0.011273
5	11	16	0.040856	0.065751	5	11	16	0.007004	0.011273
5	11	17	0.040856	0.065751	5	11	17	0.007004	0.011273
5	11	18	0.040856	0.065751	5	11	18	0.007004	0.011273
5	11	19	0.040856	0.065751	5	11	19	0.007004	0.011273
5	11	20	0.040856	0.065751	5	11	20	0.007004	0.011273
5	11	21	0.040856	0.065751	5	11	21	0.007004	0.011273
5	11	22	0.040856	0.065751	5	11	22	0.007004	0.011273
5	11	23	0.040856	0.065751	5	11	23	0.007004	0.011273
5	11	24	0.040856	0.065751	5	11	24	0.007004	0.011273
5	7	1	0.105697	0.170102	5	7	1	0.015369	0.024733
5	7	2	0.105697	0.170102	5	7	2	0.015369	0.024733
5	7	3	0.105697	0.170102	5	7	3	0.015369	0.024733
5	7	4	0.105697	0.170102	5	7	4	0.015369	0.024733
5	7	5	0.105697	0.170102	5	7	5	0.015369	0.024733
5	7	6	0.105697	0.170102	5	7	6	0.015369	0.024733
5	7	7	0.105697	0.170102	5	7	7	0.015369	0.024733
5	7	8	0.105697	0.170102	5	7	8	0.015369	0.024733
5	7	9	0.105697	0.170102	5	7	9	0.015369	0.024733
5	7	10	0.105697	0.170102	5	7	10	0.015369	0.024733
5	7	11	0.105697	0.170102	5	7	11	0.015369	0.024733
5	7	12	0.105697	0.170102	5	7	12	0.015369	0.024733
5	7	13	0.105697	0.170102	5	7	13	0.015369	0.024733
5	7	14	0.105697	0.170102	5	7	14	0.015369	0.024733
5	7	15	0.105697	0.170102	5	7	15	0.015369	0.024733
5	7	16	0.105697	0.170102	5	7	16	0.015369	0.024733
5	7	17	0.105697	0.170102	5	7	17	0.015369	0.024733
5	7	18	0.105697	0.170102	5	7	18	0.015369	0.024733
5	7	19	0.105697	0.170102	5	7	19	0.015369	0.024733
5	7	20	0.105697	0.170102	5	7	20	0.015369	0.024733
5	7	21	0.105697	0.170102	5	7	21	0.015369	0.024733
5	7	22	0.105697	0.170102	5	7	22	0.015369	0.024733
5	7	23	0.105697	0.170102	5	7	23	0.015369	0.024733
5	7	24	0.105697	0.170102	5	7	24	0.015369	0.024733

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	12033	19365.24	1	0	1	1.6712502	2.689617
1	0	2	12033	19365.24	1	0	2	1.6712502	2.689617
1	0	3	12033	19365.24	1	0	3	1.6712502	2.689617
1	0	4	12033	19365.24	1	0	4	1.6712502	2.689617
1	0	5	12033	19365.24	1	0	5	1.6712502	2.689617
1	0	6	12033	19365.24	1	0	6	1.6712502	2.689617
1	0	7	12033	19365.24	1	0	7	1.6712502	2.689617
1	0	8	12033	19365.24	1	0	8	1.6712502	2.689617
1	0	9	12033	19365.24	1	0	9	1.6712502	2.689617
1	0	10	12033	19365.24	1	0	10	1.6712502	2.689617
1	0	11	12033	19365.24	1	0	11	1.6712502	2.689617
1	0	12	12033	19365.24	1	0	12	1.6712502	2.689617
1	0	13	12033	19365.24	1	0	13	1.6712502	2.689617
1	0	14	12033	19365.24	1	0	14	1.6712502	2.689617
1	0	15	12033	19365.24	1	0	15	1.6712502	2.689617
1	0	16	12033	19365.24	1	0	16	1.6712502	2.689617
1	0	17	12033	19365.24	1	0	17	1.6712502	2.689617
1	0	18	12033	19365.24	1	0	18	1.6712502	2.689617
1	0	19	12033	19365.24	1	0	19	1.6712502	2.689617
1	0	20	12033	19365.24	1	0	20	1.6712502	2.689617
1	0	21	12033	19365.24	1	0	21	1.6712502	2.689617
1	0	22	12033	19365.24	1	0	22	1.6712502	2.689617
1	0	23	12033	19365.24	1	0	23	1.6712502	2.689617
1	0	24	12033	19365.24	1	0	24	1.6712502	2.689617
2	1	1	8127.362	13079.72	2	1	1	0.9098703	1.464294
2	1	2	8127.362	13079.72	2	1	2	0.9098703	1.464294
2	1	3	8127.362	13079.72	2	1	3	0.9098703	1.464294
2	1	4	8127.362	13079.72	2	1	4	0.9098703	1.464294
2	1	5	8127.362	13079.72	2	1	5	0.9098703	1.464294
2	1	6	8127.362	13079.72	2	1	6	0.9098703	1.464294
2	1	7	8127.362	13079.72	2	1	7	0.9098703	1.464294
2	1	8	8127.362	13079.72	2	1	8	0.9098703	1.464294
2	1	9	8127.362	13079.72	2	1	9	0.9098703	1.464294
2	1	10	8127.362	13079.72	2	1	10	0.9098703	1.464294
2	1	11	8127.362	13079.72	2	1	11	0.9098703	1.464294
2	1	12	8127.362	13079.72	2	1	12	0.9098703	1.464294
2	1	13	8127.362	13079.72	2	1	13	0.9098703	1.464294
2	1	14	8127.362	13079.72	2	1	14	0.9098703	1.464294
2	1	15	8127.362	13079.72	2	1	15	0.9098703	1.464294
2	1	16	8127.362	13079.72	2	1	16	0.9098703	1.464294
2	1	17	8127.362	13079.72	2	1	17	0.9098703	1.464294
2	1	18	8127.362	13079.72	2	1	18	0.9098703	1.464294
2	1	19	8127.362	13079.72	2	1	19	0.9098703	1.464294
2	1	20	8127.362	13079.72	2	1	20	0.9098703	1.464294
2	1	21	8127.362	13079.72	2	1	21	0.9098703	1.464294
2	1	22	8127.362	13079.72	2	1	22	0.9098703	1.464294
2	1	23	8127.362	13079.72	2	1	23	0.9098703	1.464294
2	1	24	8127.362	13079.72	2	1	24	0.9098703	1.464294
2	5	1	2238.624	3602.716	2	5	1	0.2096547	0.337407
2	5	2	2238.624	3602.716	2	5	2	0.2096547	0.337407
2	5	3	2238.624	3602.716	2	5	3	0.2096547	0.337407
2	5	4	2238.624	3602.716	2	5	4	0.2096547	0.337407
2	5	5	2238.624	3602.716	2	5	5	0.2096547	0.337407
2	5	6	2238.624	3602.716	2	5	6	0.2096547	0.337407

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	7	2238.624	3602.716	2	5	7	0.2096547	0.337407
2	5	8	2238.624	3602.716	2	5	8	0.2096547	0.337407
2	5	9	2238.624	3602.716	2	5	9	0.2096547	0.337407
2	5	10	2238.624	3602.716	2	5	10	0.2096547	0.337407
2	5	11	2238.624	3602.716	2	5	11	0.2096547	0.337407
2	5	12	2238.624	3602.716	2	5	12	0.2096547	0.337407
2	5	13	2238.624	3602.716	2	5	13	0.2096547	0.337407
2	5	14	2238.624	3602.716	2	5	14	0.2096547	0.337407
2	5	15	2238.624	3602.716	2	5	15	0.2096547	0.337407
2	5	16	2238.624	3602.716	2	5	16	0.2096547	0.337407
2	5	17	2238.624	3602.716	2	5	17	0.2096547	0.337407
2	5	18	2238.624	3602.716	2	5	18	0.2096547	0.337407
2	5	19	2238.624	3602.716	2	5	19	0.2096547	0.337407
2	5	20	2238.624	3602.716	2	5	20	0.2096547	0.337407
2	5	21	2238.624	3602.716	2	5	21	0.2096547	0.337407
2	5	22	2238.624	3602.716	2	5	22	0.2096547	0.337407
2	5	23	2238.624	3602.716	2	5	23	0.2096547	0.337407
2	5	24	2238.624	3602.716	2	5	24	0.2096547	0.337407
2	6	1	2017.401	3246.691	2	6	1	0.1866886	0.300446
2	6	2	2017.401	3246.691	2	6	2	0.1866886	0.300446
2	6	3	2017.401	3246.691	2	6	3	0.1866886	0.300446
2	6	4	2017.401	3246.691	2	6	4	0.1866886	0.300446
2	6	5	2017.401	3246.691	2	6	5	0.1866886	0.300446
2	6	6	2017.401	3246.691	2	6	6	0.1866886	0.300446
2	6	7	2017.401	3246.691	2	6	7	0.1866886	0.300446
2	6	8	2017.401	3246.692	2	6	8	0.1866886	0.300446
2	6	9	2017.401	3246.691	2	6	9	0.1866886	0.300446
2	6	10	2017.401	3246.692	2	6	10	0.1866886	0.300446
2	6	11	2017.401	3246.691	2	6	11	0.1866893	0.300447
2	6	12	2017.401	3246.691	2	6	12	0.1866886	0.300446
2	6	13	2017.401	3246.691	2	6	13	0.1866886	0.300446
2	6	14	2017.401	3246.691	2	6	14	0.1866886	0.300446
2	6	15	2017.401	3246.691	2	6	15	0.1866886	0.300446
2	6	16	2017.401	3246.691	2	6	16	0.1866886	0.300446
2	6	17	2017.401	3246.691	2	6	17	0.1866886	0.300446
2	6	18	2017.401	3246.691	2	6	18	0.1866886	0.300446
2	6	19	2017.401	3246.691	2	6	19	0.1866886	0.300446
2	6	20	2017.401	3246.691	2	6	20	0.1866886	0.300446
2	6	21	2017.401	3246.691	2	6	21	0.1866886	0.300446
2	6	22	2017.401	3246.691	2	6	22	0.1866886	0.300446
2	6	23	2017.401	3246.691	2	6	23	0.1866886	0.300446
2	6	24	2017.401	3246.691	2	6	24	0.1866886	0.300446
2	7	1	1956.638	3148.904	2	7	1	0.1765641	0.284152
2	7	2	1956.638	3148.904	2	7	2	0.1765641	0.284152
2	7	3	1956.638	3148.904	2	7	3	0.1765641	0.284152
2	7	4	1956.638	3148.904	2	7	4	0.1765641	0.284152
2	7	5	1956.638	3148.904	2	7	5	0.1765641	0.284152
2	7	6	1956.638	3148.904	2	7	6	0.1765641	0.284152
2	7	7	1956.638	3148.904	2	7	7	0.1765641	0.284152
2	7	8	1956.638	3148.904	2	7	8	0.1765641	0.284152
2	7	9	1956.638	3148.904	2	7	9	0.1765641	0.284152
2	7	10	1956.638	3148.904	2	7	10	0.1765641	0.284152
2	7	11	1956.638	3148.904	2	7	11	0.1765641	0.284152
2	7	12	1956.638	3148.904	2	7	12	0.1765641	0.284152

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	13	1956.638	3148.904	2	7	13	0.1765641	0.284152
2	7	14	1956.638	3148.904	2	7	14	0.1765641	0.284152
2	7	15	1956.638	3148.904	2	7	15	0.1765641	0.284152
2	7	16	1956.638	3148.904	2	7	16	0.1765641	0.284152
2	7	17	1956.638	3148.904	2	7	17	0.1765641	0.284152
2	7	18	1956.638	3148.904	2	7	18	0.1765641	0.284152
2	7	19	1956.638	3148.904	2	7	19	0.1765641	0.284152
2	7	20	1956.638	3148.904	2	7	20	0.1765641	0.284152
2	7	21	1956.638	3148.904	2	7	21	0.1765641	0.284152
2	7	22	1956.638	3148.904	2	7	22	0.1765641	0.284152
2	7	23	1956.638	3148.904	2	7	23	0.1765641	0.284152
2	7	24	1956.638	3148.904	2	7	24	0.1765641	0.284152
2	12	1	1548.019	2491.295	2	12	1	0.1321687	0.212705
2	12	2	1548.019	2491.295	2	12	2	0.1321687	0.212705
2	12	3	1548.019	2491.295	2	12	3	0.1321687	0.212705
2	12	4	1548.019	2491.295	2	12	4	0.1321687	0.212705
2	12	5	1548.019	2491.296	2	12	5	0.1321687	0.212705
2	12	6	1548.019	2491.295	2	12	6	0.1321687	0.212705
2	12	7	1548.019	2491.295	2	12	7	0.1321687	0.212705
2	12	8	1548.019	2491.295	2	12	8	0.1321687	0.212705
2	12	9	1548.019	2491.295	2	12	9	0.1321687	0.212705
2	12	10	1548.019	2491.295	2	12	10	0.1321687	0.212705
2	12	11	1548.019	2491.295	2	12	11	0.1321687	0.212705
2	12	12	1548.019	2491.295	2	12	12	0.1321687	0.212705
2	12	13	1548.019	2491.295	2	12	13	0.1321687	0.212705
2	12	14	1548.019	2491.295	2	12	14	0.1321687	0.212705
2	12	15	1548.019	2491.295	2	12	15	0.1321687	0.212705
2	12	16	1548.019	2491.295	2	12	16	0.1321687	0.212705
2	12	17	1548.019	2491.295	2	12	17	0.1321687	0.212705
2	12	18	1548.019	2491.295	2	12	18	0.1321687	0.212705
2	12	19	1548.019	2491.295	2	12	19	0.1321687	0.212705
2	12	20	1548.019	2491.295	2	12	20	0.1321687	0.212705
2	12	21	1548.019	2491.295	2	12	21	0.1321687	0.212705
2	12	22	1548.019	2491.295	2	12	22	0.1321687	0.212705
2	12	23	1548.019	2491.295	2	12	23	0.1321687	0.212705
2	12	24	1548.019	2491.295	2	12	24	0.1321687	0.212705
2	13	1	1550.213	2494.826	2	13	1	0.1315285	0.211675
2	13	2	1550.213	2494.826	2	13	2	0.1315285	0.211675
2	13	3	1550.213	2494.826	2	13	3	0.1315285	0.211675
2	13	4	1550.213	2494.826	2	13	4	0.1315285	0.211675
2	13	5	1550.213	2494.826	2	13	5	0.1315285	0.211675
2	13	6	1550.213	2494.826	2	13	6	0.1315285	0.211675
2	13	7	1550.213	2494.826	2	13	7	0.1315285	0.211675
2	13	8	1550.213	2494.826	2	13	8	0.1315285	0.211675
2	13	9	1550.213	2494.826	2	13	9	0.1315285	0.211675
2	13	10	1550.213	2494.826	2	13	10	0.1315285	0.211675
2	13	11	1550.213	2494.826	2	13	11	0.1315285	0.211675
2	13	12	1550.213	2494.826	2	13	12	0.1315285	0.211675
2	13	13	1550.213	2494.826	2	13	13	0.1315285	0.211675
2	13	14	1550.213	2494.826	2	13	14	0.1315285	0.211675
2	13	15	1550.213	2494.826	2	13	15	0.1315285	0.211675
2	13	16	1550.213	2494.826	2	13	16	0.1315285	0.211675
2	13	17	1550.213	2494.826	2	13	17	0.1315285	0.211675
2	13	18	1550.213	2494.826	2	13	18	0.1315285	0.211675

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	13	19	1550.213	2494.826	2	13	19	0.1315285	0.211675
2	13	20	1550.213	2494.826	2	13	20	0.1315285	0.211675
2	13	21	1550.213	2494.826	2	13	21	0.1315285	0.211675
2	13	22	1550.213	2494.826	2	13	22	0.1315285	0.211675
2	13	23	1550.213	2494.826	2	13	23	0.1315285	0.211675
2	13	24	1550.213	2494.826	2	13	24	0.1315285	0.211675
2	15	1	1691.138	2721.622	2	15	1	0.1403717	0.225906
2	15	2	1691.138	2721.622	2	15	2	0.1403717	0.225906
2	15	3	1691.138	2721.622	2	15	3	0.1403717	0.225906
2	15	4	1691.138	2721.622	2	15	4	0.1403717	0.225906
2	15	5	1691.138	2721.622	2	15	5	0.1403717	0.225906
2	15	6	1691.138	2721.622	2	15	6	0.1403717	0.225906
2	15	7	1691.138	2721.622	2	15	7	0.1403717	0.225906
2	15	8	1691.138	2721.622	2	15	8	0.1403717	0.225906
2	15	9	1691.138	2721.622	2	15	9	0.1403717	0.225906
2	15	10	1691.138	2721.622	2	15	10	0.1403717	0.225906
2	15	11	1691.138	2721.622	2	15	11	0.1403717	0.225906
2	15	12	1691.138	2721.622	2	15	12	0.1403717	0.225906
2	15	13	1691.138	2721.622	2	15	13	0.1403717	0.225906
2	15	14	1691.138	2721.622	2	15	14	0.1403717	0.225906
2	15	15	1691.138	2721.622	2	15	15	0.1403717	0.225906
2	15	16	1691.138	2721.622	2	15	16	0.1403717	0.225906
2	15	17	1691.138	2721.622	2	15	17	0.1403717	0.225906
2	15	18	1691.138	2721.622	2	15	18	0.1403717	0.225906
2	15	19	1691.138	2721.622	2	15	19	0.1403717	0.225906
2	15	20	1691.138	2721.622	2	15	20	0.1403717	0.225906
2	15	21	1691.138	2721.622	2	15	21	0.1403717	0.225906
2	15	22	1691.138	2721.622	2	15	22	0.1403717	0.225906
2	15	23	1691.138	2721.622	2	15	23	0.1403717	0.225906
2	15	24	1691.138	2721.622	2	15	24	0.1403717	0.225906
3	7	1	1965.937	3163.868	3	7	1	0.1768936	0.284683
3	7	2	1965.937	3163.868	3	7	2	0.1768936	0.284683
3	7	3	1965.937	3163.868	3	7	3	0.1768936	0.284683
3	7	4	1965.937	3163.868	3	7	4	0.1768936	0.284683
3	7	5	1965.937	3163.868	3	7	5	0.1768936	0.284683
3	7	6	1965.937	3163.868	3	7	6	0.1768936	0.284683
3	7	7	1965.937	3163.868	3	7	7	0.1768936	0.284683
3	7	8	1965.937	3163.868	3	7	8	0.1768936	0.284683
3	7	9	1965.937	3163.868	3	7	9	0.1768936	0.284683
3	7	10	1965.937	3163.868	3	7	10	0.1768936	0.284683
3	7	11	1965.937	3163.868	3	7	11	0.1768936	0.284683
3	7	12	1965.937	3163.868	3	7	12	0.1768936	0.284683
3	7	13	1965.937	3163.868	3	7	13	0.1768936	0.284683
3	7	14	1965.937	3163.868	3	7	14	0.1768936	0.284683
3	7	15	1965.937	3163.868	3	7	15	0.1768936	0.284683
3	7	16	1965.937	3163.868	3	7	16	0.1768936	0.284683
3	7	17	1965.937	3163.868	3	7	17	0.1768936	0.284683
3	7	18	1965.937	3163.868	3	7	18	0.1768936	0.284683
3	7	19	1965.937	3163.868	3	7	19	0.1768936	0.284683
3	7	20	1965.937	3163.868	3	7	20	0.1768936	0.284683
3	7	21	1965.937	3163.868	3	7	21	0.1768936	0.284683
3	7	22	1965.937	3163.868	3	7	22	0.1768936	0.284683
3	7	23	1965.937	3163.868	3	7	23	0.1768936	0.284683
3	7	24	1965.937	3163.868	3	7	24	0.1768936	0.284683

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	1	1745.461	2809.047	3	8	1	0.1554243	0.250131
3	8	2	1745.461	2809.047	3	8	2	0.1554243	0.250131
3	8	3	1745.461	2809.047	3	8	3	0.1554243	0.250131
3	8	4	1745.461	2809.047	3	8	4	0.1554243	0.250131
3	8	5	1745.461	2809.047	3	8	5	0.1554243	0.250131
3	8	6	1745.461	2809.047	3	8	6	0.1554243	0.250131
3	8	7	1745.461	2809.047	3	8	7	0.1554243	0.250131
3	8	8	1745.461	2809.047	3	8	8	0.1554243	0.250131
3	8	9	1745.461	2809.047	3	8	9	0.1554243	0.250131
3	8	10	1745.461	2809.047	3	8	10	0.1554243	0.250131
3	8	11	1745.461	2809.047	3	8	11	0.1554243	0.250131
3	8	12	1745.461	2809.047	3	8	12	0.1554243	0.250131
3	8	13	1745.461	2809.047	3	8	13	0.1554243	0.250131
3	8	14	1745.461	2809.047	3	8	14	0.1554243	0.250131
3	8	15	1745.461	2809.047	3	8	15	0.1554243	0.250131
3	8	16	1745.461	2809.047	3	8	16	0.1554243	0.250131
3	8	17	1745.461	2809.047	3	8	17	0.1554243	0.250131
3	8	18	1745.461	2809.047	3	8	18	0.1554243	0.250131
3	8	19	1745.461	2809.047	3	8	19	0.1554237	0.25013
3	8	20	1745.461	2809.047	3	8	20	0.1554243	0.250131
3	8	21	1745.461	2809.047	3	8	21	0.1554237	0.25013
3	8	22	1745.461	2809.047	3	8	22	0.1554243	0.250131
3	8	23	1745.461	2809.047	3	8	23	0.1554243	0.250131
3	8	24	1745.461	2809.047	3	8	24	0.1554243	0.250131
3	11	1	1607.128	2586.422	3	11	1	0.1382302	0.22246
3	11	2	1607.128	2586.422	3	11	2	0.1382302	0.22246
3	11	3	1607.128	2586.422	3	11	3	0.1382302	0.22246
3	11	4	1607.128	2586.422	3	11	4	0.1382302	0.22246
3	11	5	1607.128	2586.422	3	11	5	0.1382302	0.22246
3	11	6	1607.128	2586.422	3	11	6	0.1382302	0.22246
3	11	7	1607.128	2586.422	3	11	7	0.1382302	0.22246
3	11	8	1607.128	2586.422	3	11	8	0.1382302	0.22246
3	11	9	1607.128	2586.422	3	11	9	0.1382302	0.22246
3	11	10	1607.128	2586.422	3	11	10	0.1382302	0.22246
3	11	11	1607.128	2586.422	3	11	11	0.1382302	0.22246
3	11	12	1607.128	2586.422	3	11	12	0.1382302	0.22246
3	11	13	1607.128	2586.422	3	11	13	0.1382302	0.22246
3	11	14	1607.128	2586.422	3	11	14	0.1382302	0.22246
3	11	15	1607.128	2586.422	3	11	15	0.1382302	0.22246
3	11	16	1607.128	2586.422	3	11	16	0.1382302	0.22246
3	11	17	1607.128	2586.422	3	11	17	0.1382302	0.22246
3	11	18	1607.128	2586.422	3	11	18	0.1382302	0.22246
3	11	19	1607.128	2586.422	3	11	19	0.1382302	0.22246
3	11	20	1607.128	2586.422	3	11	20	0.1382302	0.22246
3	11	21	1607.128	2586.422	3	11	21	0.1382302	0.22246
3	11	22	1607.128	2586.422	3	11	22	0.1382302	0.22246
3	11	23	1607.128	2586.422	3	11	23	0.1382302	0.22246
3	11	24	1607.128	2586.422	3	11	24	0.1382302	0.22246
5	6	1	2048.64	3296.966	5	6	1	0.188254	0.302965
5	6	2	2048.64	3296.966	5	6	2	0.188254	0.302965
5	6	3	2048.64	3296.966	5	6	3	0.188254	0.302965
5	6	4	2048.64	3296.966	5	6	4	0.188254	0.302965
5	6	5	2048.64	3296.966	5	6	5	0.188254	0.302965
5	6	6	2048.64	3296.966	5	6	6	0.188254	0.302965

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	7	2048.64	3296.966	5	6	7	0.188254	0.302965
5	6	8	2048.64	3296.966	5	6	8	0.188254	0.302965
5	6	9	2048.64	3296.966	5	6	9	0.188254	0.302965
5	6	10	2048.64	3296.966	5	6	10	0.188254	0.302965
5	6	11	2048.64	3296.966	5	6	11	0.188254	0.302965
5	6	12	2048.64	3296.966	5	6	12	0.188254	0.302965
5	6	13	2048.64	3296.966	5	6	13	0.188254	0.302965
5	6	14	2048.64	3296.966	5	6	14	0.188254	0.302965
5	6	15	2048.64	3296.966	5	6	15	0.188254	0.302965
5	6	16	2048.64	3296.966	5	6	16	0.188254	0.302965
5	6	17	2048.64	3296.966	5	6	17	0.188254	0.302965
5	6	18	2048.64	3296.966	5	6	18	0.188254	0.302965
5	6	19	2048.64	3296.966	5	6	19	0.188254	0.302965
5	6	20	2048.64	3296.966	5	6	20	0.188254	0.302965
5	6	21	2048.64	3296.966	5	6	21	0.188254	0.302965
5	6	22	2048.64	3296.966	5	6	22	0.188254	0.302965
5	6	23	2048.64	3296.966	5	6	23	0.188254	0.302965
5	6	24	2048.64	3296.966	5	6	24	0.188254	0.302965
5	8	1	1745.461	2809.047	5	8	1	0.1554243	0.250131
5	8	2	1745.461	2809.047	5	8	2	0.1554243	0.250131
5	8	3	1745.461	2809.047	5	8	3	0.1554243	0.250131
5	8	4	1745.461	2809.047	5	8	4	0.1554243	0.250131
5	8	5	1745.461	2809.047	5	8	5	0.1554243	0.250131
5	8	6	1745.461	2809.047	5	8	6	0.1554243	0.250131
5	8	7	1745.461	2809.047	5	8	7	0.1554243	0.250131
5	8	8	1745.461	2809.047	5	8	8	0.1554243	0.250131
5	8	9	1745.461	2809.047	5	8	9	0.1554243	0.250131
5	8	10	1745.461	2809.047	5	8	10	0.1554243	0.250131
5	8	11	1745.461	2809.047	5	8	11	0.1554243	0.250131
5	8	12	1745.461	2809.047	5	8	12	0.1554243	0.250131
5	8	13	1745.461	2809.047	5	8	13	0.1554243	0.250131
5	8	14	1745.461	2809.047	5	8	14	0.1554243	0.250131
5	8	15	1745.461	2809.047	5	8	15	0.1554243	0.250131
5	8	16	1745.461	2809.047	5	8	16	0.1554243	0.250131
5	8	17	1745.461	2809.047	5	8	17	0.1554243	0.250131
5	8	18	1745.461	2809.047	5	8	18	0.1554243	0.250131
5	8	19	1745.461	2809.047	5	8	19	0.1554243	0.250131
5	8	20	1745.461	2809.047	5	8	20	0.1554243	0.250131
5	8	21	1745.461	2809.047	5	8	21	0.1554243	0.250131
5	8	22	1745.461	2809.047	5	8	22	0.1554243	0.250131
5	8	23	1745.461	2809.047	5	8	23	0.1554237	0.25013
5	8	24	1745.461	2809.047	5	8	24	0.1554243	0.250131
5	11	1	1607.128	2586.422	5	11	1	0.1382302	0.22246
5	11	2	1607.128	2586.422	5	11	2	0.1382302	0.22246
5	11	3	1607.128	2586.422	5	11	3	0.1382302	0.22246
5	11	4	1607.128	2586.422	5	11	4	0.1382302	0.22246
5	11	5	1607.128	2586.422	5	11	5	0.1382302	0.22246
5	11	6	1607.128	2586.422	5	11	6	0.1382302	0.22246
5	11	7	1607.128	2586.422	5	11	7	0.1382302	0.22246
5	11	8	1607.128	2586.422	5	11	8	0.1382302	0.22246
5	11	9	1607.128	2586.422	5	11	9	0.1382302	0.22246
5	11	10	1607.128	2586.422	5	11	10	0.1382302	0.22246
5	11	11	1607.128	2586.422	5	11	11	0.1382302	0.22246
5	11	12	1607.128	2586.422	5	11	12	0.1382302	0.22246

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	90	Atmospheric CO2			PollutantID	6	Nitrous Oxide (N2O)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	13	1607.128	2586.422	5	11	13	0.1382302	0.22246
5	11	14	1607.128	2586.422	5	11	14	0.1382302	0.22246
5	11	15	1607.128	2586.422	5	11	15	0.1382302	0.22246
5	11	16	1607.128	2586.422	5	11	16	0.1382302	0.22246
5	11	17	1607.128	2586.422	5	11	17	0.1382302	0.22246
5	11	18	1607.128	2586.422	5	11	18	0.1382302	0.22246
5	11	19	1607.128	2586.422	5	11	19	0.1382302	0.22246
5	11	20	1607.128	2586.422	5	11	20	0.1382302	0.22246
5	11	21	1607.128	2586.422	5	11	21	0.1382302	0.22246
5	11	22	1607.128	2586.422	5	11	22	0.1382302	0.22246
5	11	23	1607.128	2586.422	5	11	23	0.1382302	0.22246
5	11	24	1607.128	2586.422	5	11	24	0.1382302	0.22246
5	7	1	1965.937	3163.868	5	7	1	0.1768936	0.284683
5	7	2	1965.937	3163.868	5	7	2	0.1768936	0.284683
5	7	3	1965.937	3163.868	5	7	3	0.1768936	0.284683
5	7	4	1965.937	3163.868	5	7	4	0.1768936	0.284683
5	7	5	1965.937	3163.868	5	7	5	0.1768936	0.284683
5	7	6	1965.937	3163.868	5	7	6	0.1768936	0.284683
5	7	7	1965.937	3163.868	5	7	7	0.1768936	0.284683
5	7	8	1965.937	3163.868	5	7	8	0.1768936	0.284683
5	7	9	1965.937	3163.868	5	7	9	0.1768936	0.284683
5	7	10	1965.937	3163.868	5	7	10	0.1768936	0.284683
5	7	11	1965.937	3163.868	5	7	11	0.1768936	0.284683
5	7	12	1965.937	3163.868	5	7	12	0.1768936	0.284683
5	7	13	1965.937	3163.868	5	7	13	0.1768936	0.284683
5	7	14	1965.937	3163.868	5	7	14	0.1768936	0.284683
5	7	15	1965.937	3163.868	5	7	15	0.1768936	0.284683
5	7	16	1965.937	3163.868	5	7	16	0.1768936	0.284683
5	7	17	1965.937	3163.868	5	7	17	0.1768936	0.284683
5	7	18	1965.937	3163.868	5	7	18	0.1768936	0.284683
5	7	19	1965.937	3163.868	5	7	19	0.1768936	0.284683
5	7	20	1965.937	3163.868	5	7	20	0.1768936	0.284683
5	7	21	1965.937	3163.868	5	7	21	0.1768936	0.284683
5	7	22	1965.937	3163.868	5	7	22	0.1768936	0.284683
5	7	23	1965.937	3163.868	5	7	23	0.1768936	0.284683
5	7	24	1965.937	3163.868	5	7	24	0.1768936	0.284683

AECOM

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	189.6459	305.2054
1	0	2	189.6459	305.2054
1	0	3	189.6459	305.2054
1	0	4	189.6459	305.2054
1	0	5	189.6459	305.2054
1	0	6	189.6459	305.2054
1	0	7	189.6459	305.2054
1	0	8	189.6459	305.2054
1	0	9	189.6459	305.2054
1	0	10	189.6459	305.2054
1	0	11	189.6459	305.2054
1	0	12	189.6459	305.2054
1	0	13	189.6459	305.2054
1	0	14	189.6459	305.2054
1	0	15	189.6459	305.2054
1	0	16	189.6459	305.2054
1	0	17	189.6459	305.2054
1	0	18	189.6459	305.2054
1	0	19	189.6459	305.2054
1	0	20	189.6459	305.2054
1	0	21	189.6459	305.2054
1	0	22	189.6459	305.2054
1	0	23	189.6459	305.2054
1	0	24	189.6459	305.2054
2	1	1	112.447	180.9659
2	1	2	112.447	180.9659
2	1	3	112.447	180.9659
2	1	4	112.447	180.9659
2	1	5	112.447	180.9659
2	1	6	112.447	180.9659
2	1	7	112.447	180.9659
2	1	8	112.447	180.9659
2	1	9	112.4471	180.966
2	1	10	112.447	180.9659
2	1	11	112.447	180.9659
2	1	12	112.447	180.9659
2	1	13	112.447	180.9659
2	1	14	112.447	180.9659
2	1	15	112.447	180.9659
2	1	16	112.447	180.9659
2	1	17	112.447	180.9659
2	1	18	112.447	180.9659
2	1	19	112.447	180.9659
2	1	20	112.447	180.9659
2	1	21	112.447	180.9659
2	1	22	112.447	180.9659
2	1	23	112.447	180.9659
2	1	24	112.447	180.9659
2	5	1	19.99195	32.17393
2	5	2	19.99195	32.17393
2	5	3	19.99195	32.17393
2	5	4	19.99195	32.17393
2	5	5	19.99195	32.17393
2	5	6	19.99195	32.17393

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	86.665197	139.47411
1	0	2	86.665197	139.47411
1	0	3	86.665197	139.47411
1	0	4	86.665197	139.47411
1	0	5	86.665197	139.47411
1	0	6	86.665197	139.47411
1	0	7	86.665197	139.47411
1	0	8	86.665197	139.47411
1	0	9	86.665197	139.47411
1	0	10	86.665197	139.47411
1	0	11	86.665197	139.47411
1	0	12	86.665197	139.47411
1	0	13	86.665197	139.47411
1	0	14	86.665197	139.47411
1	0	15	86.665197	139.47411
1	0	16	86.665197	139.47411
1	0	17	86.665197	139.47411
1	0	18	86.665197	139.47411
1	0	19	86.665197	139.47411
1	0	20	86.665197	139.47411
1	0	21	86.665197	139.47411
1	0	22	86.665197	139.47411
1	0	23	86.665197	139.47411
1	0	24	86.665197	139.47411
2	1	1	109.12523	175.62003
2	1	2	109.12523	175.62003
2	1	3	109.12523	175.62003
2	1	4	109.12523	175.62003
2	1	5	109.12523	175.62003
2	1	6	109.12523	175.62003
2	1	7	109.12523	175.62003
2	1	8	109.12523	175.62003
2	1	9	109.12523	175.62003
2	1	10	109.12523	175.62003
2	1	11	109.12523	175.62003
2	1	12	109.12523	175.62003
2	1	13	109.12523	175.62003
2	1	14	109.12523	175.62003
2	1	15	109.12523	175.62003
2	1	16	109.12523	175.62003
2	1	17	109.12523	175.62003
2	1	18	109.12523	175.62003
2	1	19	109.12523	175.62003
2	1	20	109.12523	175.62003
2	1	21	109.12523	175.62003
2	1	22	109.12523	175.62003
2	1	23	109.12523	175.62003
2	1	24	109.12523	175.62003
2	5	1	26.384113	42.461114
2	5	2	26.384113	42.461114
2	5	3	26.384113	42.461114
2	5	4	26.384113	42.461114
2	5	5	26.384113	42.461114
2	5	6	26.384113	42.461114

AECOM

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	7	19.99195	32.17393
2	5	8	19.99195	32.17393
2	5	9	19.99195	32.17393
2	5	10	19.99195	32.17393
2	5	11	19.99195	32.17393
2	5	12	19.99195	32.17393
2	5	13	19.99195	32.17393
2	5	14	19.99195	32.17393
2	5	15	19.99195	32.17393
2	5	16	19.99195	32.17393
2	5	17	19.99195	32.17393
2	5	18	19.99195	32.17393
2	5	19	19.99195	32.17393
2	5	20	19.99195	32.17393
2	5	21	19.99195	32.17393
2	5	22	19.99195	32.17393
2	5	23	19.99195	32.17393
2	5	24	19.99195	32.17393
2	6	1	16.18046	26.03992
2	6	2	16.18046	26.03992
2	6	3	16.18046	26.03992
2	6	4	16.18046	26.03992
2	6	5	16.18046	26.03992
2	6	6	16.18046	26.03992
2	6	7	16.18046	26.03992
2	6	8	16.18046	26.03992
2	6	9	16.18046	26.03992
2	6	10	16.18046	26.03992
2	6	11	16.18046	26.03992
2	6	12	16.18046	26.03992
2	6	13	16.18046	26.03992
2	6	14	16.18046	26.03992
2	6	15	16.18046	26.03992
2	6	16	16.18046	26.03992
2	6	17	16.18046	26.03992
2	6	18	16.18046	26.03992
2	6	19	16.18046	26.03992
2	6	20	16.18046	26.03992
2	6	21	16.18046	26.03992
2	6	22	16.18046	26.03992
2	6	23	16.18046	26.03992
2	6	24	16.18046	26.03992
2	7	1	13.41597	21.59092
2	7	2	13.41597	21.59092
2	7	3	13.41597	21.59092
2	7	4	13.41597	21.59092
2	7	5	13.41597	21.59092
2	7	6	13.41597	21.59092
2	7	7	13.41597	21.59092
2	7	8	13.41597	21.59092
2	7	9	13.41597	21.59092
2	7	10	13.41597	21.59092
2	7	11	13.41597	21.59092
2	7	12	13.41597	21.59092

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	7	26.384113	42.461114
2	5	8	26.384113	42.461114
2	5	9	26.384113	42.461114
2	5	10	26.384113	42.461114
2	5	11	26.384113	42.461114
2	5	12	26.384113	42.461114
2	5	13	26.384113	42.461114
2	5	14	26.384113	42.461114
2	5	15	26.384113	42.461114
2	5	16	26.384113	42.461114
2	5	17	26.384113	42.461114
2	5	18	26.384113	42.461114
2	5	19	26.384113	42.461114
2	5	20	26.384113	42.461114
2	5	21	26.384113	42.461114
2	5	22	26.384113	42.461114
2	5	23	26.384113	42.461114
2	5	24	26.384113	42.461114
2	6	1	21.886594	35.223059
2	6	2	21.886594	35.223059
2	6	3	21.886594	35.223059
2	6	4	21.886594	35.223059
2	6	5	21.886594	35.223059
2	6	6	21.886594	35.223059
2	6	7	21.886594	35.223059
2	6	8	21.886594	35.223059
2	6	9	21.886594	35.223059
2	6	10	21.886594	35.223059
2	6	11	21.886594	35.223059
2	6	12	21.886594	35.223059
2	6	13	21.886594	35.223059
2	6	14	21.886594	35.223059
2	6	15	21.886594	35.223059
2	6	16	21.886594	35.223059
2	6	17	21.886594	35.223059
2	6	18	21.886594	35.223059
2	6	19	21.886594	35.223059
2	6	20	21.886594	35.223059
2	6	21	21.886594	35.223059
2	6	22	21.886594	35.223059
2	6	23	21.886594	35.223059
2	6	24	21.886594	35.223059
2	7	1	19.761532	31.803103
2	7	2	19.761532	31.803103
2	7	3	19.761532	31.803103
2	7	4	19.761532	31.803103
2	7	5	19.761532	31.803103
2	7	6	19.761532	31.803103
2	7	7	19.761532	31.803103
2	7	8	19.761532	31.803103
2	7	9	19.761532	31.803103
2	7	10	19.761532	31.803103
2	7	11	19.761532	31.803103
2	7	12	19.761532	31.803103

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	13	13.41597	21.59092
2	7	14	13.41597	21.59092
2	7	15	13.41597	21.59092
2	7	16	13.41597	21.59092
2	7	17	13.41597	21.59092
2	7	18	13.41597	21.59092
2	7	19	13.41597	21.59092
2	7	20	13.41597	21.59092
2	7	21	13.41597	21.59092
2	7	22	13.41597	21.59092
2	7	23	13.41597	21.59092
2	7	24	13.41597	21.59092
2	12	1	6.37331	10.25685
2	12	2	6.37331	10.25685
2	12	3	6.37331	10.25685
2	12	4	6.37331	10.25685
2	12	5	6.37331	10.25685
2	12	6	6.37331	10.25685
2	12	7	6.37331	10.25685
2	12	8	6.37331	10.25685
2	12	9	6.37331	10.25685
2	12	10	6.37331	10.25685
2	12	11	6.37331	10.25685
2	12	12	6.37331	10.25685
2	12	13	6.37331	10.25685
2	12	14	6.37331	10.25685
2	12	15	6.37331	10.25685
2	12	16	6.37331	10.25685
2	12	17	6.37331	10.25685
2	12	18	6.37331	10.25685
2	12	19	6.37331	10.25685
2	12	20	6.37331	10.25685
2	12	21	6.37331	10.25685
2	12	22	6.37331	10.25685
2	12	23	6.37331	10.25685
2	12	24	6.37331	10.25685
2	13	1	5.53467	8.907188
2	13	2	5.53467	8.907188
2	13	3	5.53467	8.907188
2	13	4	5.53467	8.907188
2	13	5	5.53467	8.907188
2	13	6	5.53467	8.907188
2	13	7	5.53467	8.907188
2	13	8	5.53467	8.907188
2	13	9	5.53467	8.907188
2	13	10	5.53467	8.907188
2	13	11	5.53467	8.907188
2	13	12	5.53467	8.907188
2	13	13	5.53467	8.907188
2	13	14	5.53467	8.907188
2	13	15	5.53467	8.907188
2	13	16	5.53467	8.907188
2	13	17	5.53467	8.907188
2	13	18	5.53467	8.907188

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	13	19.761532	31.803103
2	7	14	19.761532	31.803103
2	7	15	19.761532	31.803103
2	7	16	19.761532	31.803103
2	7	17	19.761532	31.803103
2	7	18	19.761532	31.803103
2	7	19	19.761532	31.803103
2	7	20	19.761532	31.803103
2	7	21	19.761532	31.803103
2	7	22	19.761532	31.803103
2	7	23	19.761532	31.803103
2	7	24	19.761532	31.803103
2	12	1	18.279847	29.418563
2	12	2	18.279847	29.418563
2	12	3	18.279847	29.418563
2	12	4	18.279847	29.418563
2	12	5	18.279847	29.418563
2	12	6	18.279847	29.418563
2	12	7	18.279847	29.418563
2	12	8	18.279847	29.418563
2	12	9	18.279847	29.418563
2	12	10	18.279847	29.418563
2	12	11	18.279847	29.418563
2	12	12	18.279847	29.418563
2	12	13	18.279847	29.418563
2	12	14	18.279847	29.418563
2	12	15	18.279847	29.418563
2	12	16	18.279847	29.418563
2	12	17	18.279847	29.418563
2	12	18	18.279847	29.418563
2	12	19	18.279847	29.418563
2	12	20	18.279847	29.418563
2	12	21	18.279847	29.418563
2	12	22	18.279847	29.418563
2	12	23	18.279847	29.418563
2	12	24	18.279847	29.418563
2	13	1	18.414311	29.634961
2	13	2	18.414311	29.634961
2	13	3	18.414311	29.634961
2	13	4	18.414311	29.634961
2	13	5	18.414311	29.634961
2	13	6	18.414311	29.634961
2	13	7	18.414311	29.634961
2	13	8	18.414311	29.634961
2	13	9	18.414311	29.634961
2	13	10	18.414311	29.634961
2	13	11	18.414311	29.634961
2	13	12	18.414311	29.634961
2	13	13	18.414311	29.634961
2	13	14	18.414311	29.634961
2	13	15	18.414311	29.634961
2	13	16	18.414311	29.634961
2	13	17	18.414311	29.634961
2	13	18	18.414311	29.634961

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	13	19	5.53467	8.907188
2	13	20	5.53467	8.907188
2	13	21	5.53467	8.907188
2	13	22	5.53467	8.907188
2	13	23	5.53467	8.907188
2	13	24	5.53467	8.907188
2	15	1	4.712994	7.584829
2	15	2	4.712994	7.584829
2	15	3	4.712994	7.584829
2	15	4	4.712994	7.584829
2	15	5	4.712994	7.584829
2	15	6	4.712994	7.584829
2	15	7	4.712994	7.584829
2	15	8	4.712994	7.584829
2	15	9	4.712994	7.584829
2	15	10	4.712994	7.584829
2	15	11	4.712994	7.584829
2	15	12	4.712994	7.584829
2	15	13	4.712994	7.584829
2	15	14	4.712994	7.584829
2	15	15	4.712994	7.584829
2	15	16	4.712994	7.584829
2	15	17	4.712994	7.584829
2	15	18	4.712994	7.584829
2	15	19	4.712994	7.584829
2	15	20	4.712994	7.584829
2	15	21	4.712994	7.584829
2	15	22	4.712994	7.584829
2	15	23	4.712994	7.584829
2	15	24	4.712994	7.584829
3	7	1	13.27605	21.36572
3	7	2	13.27605	21.36572
3	7	3	13.27605	21.36572
3	7	4	13.27605	21.36572
3	7	5	13.27605	21.36572
3	7	6	13.27605	21.36572
3	7	7	13.27605	21.36572
3	7	8	13.27605	21.36572
3	7	9	13.27605	21.36573
3	7	10	13.27605	21.36572
3	7	11	13.27605	21.36572
3	7	12	13.27605	21.36572
3	7	13	13.27605	21.36572
3	7	14	13.27605	21.36572
3	7	15	13.27605	21.36572
3	7	16	13.27605	21.36572
3	7	17	13.27605	21.36572
3	7	18	13.27605	21.36572
3	7	19	13.27605	21.36572
3	7	20	13.27605	21.36572
3	7	21	13.27605	21.36572
3	7	22	13.27605	21.36572
3	7	23	13.27605	21.36572
3	7	24	13.27605	21.36572

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	13	19	18.414311	29.634961
2	13	20	18.414311	29.634961
2	13	21	18.414311	29.634961
2	13	22	18.414311	29.634961
2	13	23	18.414311	29.634961
2	13	24	18.414311	29.634961
2	15	1	20.470981	32.94485
2	15	2	20.470981	32.94485
2	15	3	20.470981	32.94485
2	15	4	20.470981	32.94485
2	15	5	20.470981	32.94485
2	15	6	20.470981	32.94485
2	15	7	20.470981	32.94485
2	15	8	20.470981	32.94485
2	15	9	20.470981	32.94485
2	15	10	20.470981	32.94485
2	15	11	20.470981	32.94485
2	15	12	20.470981	32.94485
2	15	13	20.470981	32.94485
2	15	14	20.470981	32.94485
2	15	15	20.470981	32.94485
2	15	16	20.470981	32.94485
2	15	17	20.470981	32.94485
2	15	18	20.470981	32.94485
2	15	19	20.470981	32.94485
2	15	20	20.470981	32.94485
2	15	21	20.470981	32.94485
2	15	22	20.470981	32.94485
2	15	23	20.470981	32.94485
2	15	24	20.470981	32.94485
3	7	1	20.206466	32.519154
3	7	2	20.206466	32.519154
3	7	3	20.206466	32.519154
3	7	4	20.206466	32.519154
3	7	5	20.206466	32.519154
3	7	6	20.206466	32.519154
3	7	7	20.206466	32.519154
3	7	8	20.206466	32.519154
3	7	9	20.206466	32.519154
3	7	10	20.206466	32.519154
3	7	11	20.206466	32.519154
3	7	12	20.206466	32.519154
3	7	13	20.206466	32.519154
3	7	14	20.206466	32.519154
3	7	15	20.206466	32.519154
3	7	16	20.206466	32.519154
3	7	17	20.206466	32.519154
3	7	18	20.206466	32.519154
3	7	19	20.206466	32.519154
3	7	20	20.206466	32.519154
3	7	21	20.206466	32.519154
3	7	22	20.206466	32.519154
3	7	23	20.206466	32.519154
3	7	24	20.206466	32.519154

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	1	11.70592	18.83885
3	8	2	11.70592	18.83885
3	8	3	11.70592	18.83885
3	8	4	11.70592	18.83885
3	8	5	11.70592	18.83885
3	8	6	11.70592	18.83885
3	8	7	11.70592	18.83885
3	8	8	11.70592	18.83885
3	8	9	11.70592	18.83885
3	8	10	11.70592	18.83885
3	8	11	11.70591	18.83883
3	8	12	11.70592	18.83885
3	8	13	11.70592	18.83885
3	8	14	11.70592	18.83885
3	8	15	11.70592	18.83885
3	8	16	11.70592	18.83885
3	8	17	11.70592	18.83885
3	8	18	11.70592	18.83885
3	8	19	11.70591	18.83883
3	8	20	11.70592	18.83885
3	8	21	11.70592	18.83885
3	8	22	11.70592	18.83885
3	8	23	11.70592	18.83885
3	8	24	11.70592	18.83885
3	11	1	7.39222	11.89662
3	11	2	7.39222	11.89662
3	11	3	7.39222	11.89662
3	11	4	7.39222	11.89662
3	11	5	7.39222	11.89662
3	11	6	7.39222	11.89662
3	11	7	7.39222	11.89662
3	11	8	7.39222	11.89662
3	11	9	7.39222	11.89662
3	11	10	7.39222	11.89662
3	11	11	7.39222	11.89662
3	11	12	7.39222	11.89662
3	11	13	7.39222	11.89662
3	11	14	7.39222	11.89662
3	11	15	7.39222	11.89662
3	11	16	7.39222	11.89662
3	11	17	7.39222	11.89662
3	11	18	7.39222	11.89662
3	11	19	7.39222	11.89662
3	11	20	7.39222	11.89662
3	11	21	7.39222	11.89662
3	11	22	7.39222	11.89662
3	11	23	7.39222	11.89662
3	11	24	7.39222	11.89662
5	6	1	16.12235	25.9464
5	6	2	16.12235	25.9464
5	6	3	16.12235	25.9464
5	6	4	16.12235	25.9464
5	6	5	16.12235	25.9464
5	6	6	16.12235	25.9464

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	1	19.274143	31.018726
3	8	2	19.274143	31.018726
3	8	3	19.27414	31.018721
3	8	4	19.274143	31.018726
3	8	5	19.274143	31.018726
3	8	6	19.274143	31.018726
3	8	7	19.274143	31.018726
3	8	8	19.274143	31.018726
3	8	9	19.274143	31.018726
3	8	10	19.274143	31.018726
3	8	11	19.274143	31.018726
3	8	12	19.274143	31.018726
3	8	13	19.274143	31.018726
3	8	14	19.274143	31.018726
3	8	15	19.274143	31.018726
3	8	16	19.274143	31.018726
3	8	17	19.274143	31.018726
3	8	18	19.274143	31.018726
3	8	19	19.274143	31.018726
3	8	20	19.274143	31.018726
3	8	21	19.274143	31.018726
3	8	22	19.274143	31.018726
3	8	23	19.274143	31.018726
3	8	24	19.274143	31.018726
3	11	1	18.163417	29.231186
3	11	2	18.163417	29.231186
3	11	3	18.163417	29.231186
3	11	4	18.163417	29.231186
3	11	5	18.163417	29.231186
3	11	6	18.163417	29.231186
3	11	7	18.163417	29.231186
3	11	8	18.163417	29.231186
3	11	9	18.163417	29.231186
3	11	10	18.163417	29.231186
3	11	11	18.163411	29.231176
3	11	12	18.163417	29.231186
3	11	13	18.163417	29.231186
3	11	14	18.163417	29.231186
3	11	15	18.163417	29.231186
3	11	16	18.163417	29.231186
3	11	17	18.163417	29.231186
3	11	18	18.163417	29.231186
3	11	19	18.163417	29.231186
3	11	20	18.163417	29.231186
3	11	21	18.163417	29.231186
3	11	22	18.163417	29.231186
3	11	23	18.163417	29.231186
3	11	24	18.163417	29.231186
5	6	1	22.193199	35.716491
5	6	2	22.193199	35.716491
5	6	3	22.193199	35.716491
5	6	4	22.193199	35.716491
5	6	5	22.193199	35.716491
5	6	6	22.193199	35.716491

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	7	16.12235	25.9464
5	6	8	16.12235	25.9464
5	6	9	16.12235	25.9464
5	6	10	16.12235	25.9464
5	6	11	16.12235	25.9464
5	6	12	16.12235	25.9464
5	6	13	16.12235	25.9464
5	6	14	16.12235	25.9464
5	6	15	16.12235	25.9464
5	6	16	16.12235	25.9464
5	6	17	16.12235	25.9464
5	6	18	16.12235	25.9464
5	6	19	16.12235	25.9464
5	6	20	16.12235	25.9464
5	6	21	16.12235	25.9464
5	6	22	16.12235	25.9464
5	6	23	16.12235	25.9464
5	6	24	16.12235	25.9464
5	8	1	11.70592	18.83885
5	8	2	11.70592	18.83885
5	8	3	11.70592	18.83885
5	8	4	11.70592	18.83885
5	8	5	11.70592	18.83885
5	8	6	11.70592	18.83885
5	8	7	11.70592	18.83885
5	8	8	11.70592	18.83885
5	8	9	11.70592	18.83885
5	8	10	11.70592	18.83885
5	8	11	11.70592	18.83885
5	8	12	11.70592	18.83885
5	8	13	11.70592	18.83885
5	8	14	11.70592	18.83885
5	8	15	11.70592	18.83885
5	8	16	11.70591	18.83883
5	8	17	11.70592	18.83885
5	8	18	11.70592	18.83885
5	8	19	11.70592	18.83885
5	8	20	11.70591	18.83883
5	8	21	11.70592	18.83885
5	8	22	11.70592	18.83885
5	8	23	11.70592	18.83885
5	8	24	11.70592	18.83885
5	11	1	7.39222	11.89662
5	11	2	7.39222	11.89662
5	11	3	7.39222	11.89662
5	11	4	7.39222	11.89662
5	11	5	7.39222	11.89662
5	11	6	7.39222	11.89662
5	11	7	7.39222	11.89662
5	11	8	7.39222	11.89662
5	11	9	7.39222	11.89662
5	11	10	7.39222	11.89662
5	11	11	7.39222	11.89662
5	11	12	7.39222	11.89662

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	7	22.193199	35.716491
5	6	8	22.193199	35.716491
5	6	9	22.193199	35.716491
5	6	10	22.193199	35.716491
5	6	11	22.193199	35.716491
5	6	12	22.193199	35.716491
5	6	13	22.193199	35.716491
5	6	14	22.193199	35.716491
5	6	15	22.193199	35.716491
5	6	16	22.193199	35.716491
5	6	17	22.193199	35.716491
5	6	18	22.193199	35.716491
5	6	19	22.193199	35.716491
5	6	20	22.193199	35.716491
5	6	21	22.193199	35.716491
5	6	22	22.193199	35.716491
5	6	23	22.193199	35.716491
5	6	24	22.193199	35.716491
5	8	1	19.274143	31.018726
5	8	2	19.274143	31.018726
5	8	3	19.274143	31.018726
5	8	4	19.274143	31.018726
5	8	5	19.274143	31.018726
5	8	6	19.274143	31.018726
5	8	7	19.274143	31.018726
5	8	8	19.274143	31.018726
5	8	9	19.274143	31.018726
5	8	10	19.274143	31.018726
5	8	11	19.274143	31.018726
5	8	12	19.274143	31.018726
5	8	13	19.274143	31.018726
5	8	14	19.274143	31.018726
5	8	15	19.274143	31.018726
5	8	16	19.274143	31.018726
5	8	17	19.274143	31.018726
5	8	18	19.274143	31.018726
5	8	19	19.274143	31.018726
5	8	20	19.274143	31.018726
5	8	21	19.274143	31.018726
5	8	22	19.274143	31.018726
5	8	23	19.274143	31.018726
5	8	24	19.274143	31.018726
5	11	1	18.163417	29.231186
5	11	2	18.163417	29.231186
5	11	3	18.163417	29.231186
5	11	4	18.163417	29.231186
5	11	5	18.163417	29.231186
5	11	6	18.163417	29.231186
5	11	7	18.163417	29.231186
5	11	8	18.163417	29.231186
5	11	9	18.163417	29.231186
5	11	10	18.163417	29.231186
5	11	11	18.163417	29.231186
5	11	12	18.163417	29.231186

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	5	Methane (CH4)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	13	7.39222	11.89662
5	11	14	7.39222	11.89662
5	11	15	7.39222	11.89662
5	11	16	7.39222	11.89662
5	11	17	7.39222	11.89662
5	11	18	7.39222	11.89662
5	11	19	7.39222	11.89662
5	11	20	7.39222	11.89662
5	11	21	7.39222	11.89662
5	11	22	7.39222	11.89662
5	11	23	7.39222	11.89662
5	11	24	7.39222	11.89662
5	7	1	13.27605	21.36572
5	7	2	13.27605	21.36572
5	7	3	13.27605	21.36572
5	7	4	13.27605	21.36572
5	7	5	13.27605	21.36572
5	7	6	13.27605	21.36572
5	7	7	13.27605	21.36572
5	7	8	13.27605	21.36572
5	7	9	13.27605	21.36572
5	7	10	13.27605	21.36572
5	7	11	13.27605	21.36572
5	7	12	13.27605	21.36572
5	7	13	13.27605	21.36572
5	7	14	13.27605	21.36573
5	7	15	13.27605	21.36572
5	7	16	13.27605	21.36572
5	7	17	13.27605	21.36572
5	7	18	13.27605	21.36572
5	7	19	13.27605	21.36572
5	7	20	13.27605	21.36572
5	7	21	13.27605	21.36572
5	7	22	13.27605	21.36572
5	7	23	13.27605	21.36572
5	7	24	13.27605	21.36572

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	2	Carbon monoxide (CO)		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	13	18.163417	29.231186
5	11	14	18.163417	29.231186
5	11	15	18.163417	29.231186
5	11	16	18.163417	29.231186
5	11	17	18.163417	29.231186
5	11	18	18.163417	29.231186
5	11	19	18.163417	29.231186
5	11	20	18.163417	29.231186
5	11	21	18.163417	29.231186
5	11	22	18.163417	29.231186
5	11	23	18.163417	29.231186
5	11	24	18.163417	29.231186
5	7	1	20.206466	32.519154
5	7	2	20.206466	32.519154
5	7	3	20.206466	32.519154
5	7	4	20.206466	32.519154
5	7	5	20.206466	32.519154
5	7	6	20.206466	32.519154
5	7	7	20.206466	32.519154
5	7	8	20.206466	32.519154
5	7	9	20.206466	32.519154
5	7	10	20.206466	32.519154
5	7	11	20.206466	32.519154
5	7	12	20.206466	32.519154
5	7	13	20.206466	32.519154
5	7	14	20.206466	32.519154
5	7	15	20.206466	32.519154
5	7	16	20.206466	32.519154
5	7	17	20.206466	32.519154
5	7	18	20.206466	32.519154
5	7	19	20.206466	32.519154
5	7	20	20.206466	32.519154
5	7	21	20.206466	32.519154
5	7	22	20.206466	32.519154
5	7	23	20.206466	32.519154
5	7	24	20.206466	32.519154

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	43.2760861	69.64611	1	0	1	0.021024	0.033835
1	0	2	43.2831354	69.65745	1	0	2	0.021024	0.033835
1	0	3	43.3127234	69.70507	1	0	3	0.021024	0.033835
1	0	4	43.323318	69.72212	1	0	4	0.021024	0.033835
1	0	5	43.3442417	69.7558	1	0	5	0.021024	0.033835
1	0	6	43.4198397	69.87746	1	0	6	0.021024	0.033835
1	0	7	43.4622578	69.94572	1	0	7	0.021024	0.033835
1	0	8	43.4736885	69.96412	1	0	8	0.021024	0.033835
1	0	9	43.486506	69.98475	1	0	9	0.021024	0.033835
1	0	10	43.4270302	69.88903	1	0	10	0.021024	0.033835
1	0	11	43.3069016	69.6957	1	0	11	0.021024	0.033835
1	0	12	43.1959699	69.51718	1	0	12	0.021024	0.033835
1	0	13	43.0727633	69.31889	1	0	13	0.021024	0.033835
1	0	14	42.967568	69.1496	1	0	14	0.021024	0.033835
1	0	15	42.858282	68.97372	1	0	15	0.021024	0.033835
1	0	16	42.8708276	68.99391	1	0	16	0.021024	0.033835
1	0	17	42.9185204	69.07066	1	0	17	0.021024	0.033835
1	0	18	43.0614717	69.30072	1	0	18	0.021024	0.033835
1	0	19	43.1326209	69.41522	1	0	19	0.021024	0.033835
1	0	20	43.1721568	69.47885	1	0	20	0.021024	0.033835
1	0	21	43.2357868	69.58125	1	0	21	0.021024	0.033835
1	0	22	43.3195332	69.71603	1	0	22	0.021024	0.033835
1	0	23	43.3025023	69.68862	1	0	23	0.021024	0.033835
1	0	24	43.3383426	69.7463	1	0	24	0.021024	0.033835
2	1	1	14.4579772	23.26786	2	1	1	0.014241	0.022918
2	1	2	14.4599644	23.27106	2	1	2	0.014238	0.022914
2	1	3	14.4684519	23.28472	2	1	3	0.014238	0.022913
2	1	4	14.4714255	23.2895	2	1	4	0.014238	0.022913
2	1	5	14.4774405	23.29918	2	1	5	0.014238	0.022914
2	1	6	14.499162	23.33414	2	1	6	0.014238	0.022913
2	1	7	14.511196	23.35351	2	1	7	0.014238	0.022913
2	1	8	14.5144771	23.35879	2	1	8	0.014238	0.022914
2	1	9	14.5182348	23.36483	2	1	9	0.014239	0.022915
2	1	10	14.5013544	23.33767	2	1	10	0.014242	0.02292
2	1	11	14.4671867	23.28268	2	1	11	0.014248	0.022929
2	1	12	14.4356465	23.23192	2	1	12	0.014253	0.022937
2	1	13	14.4007433	23.17575	2	1	13	0.014254	0.02294
2	1	14	14.3709315	23.12777	2	1	14	0.014256	0.022943
2	1	15	14.3397126	23.07753	2	1	15	0.014257	0.022945
2	1	16	14.3432636	23.08325	2	1	16	0.014255	0.022942
2	1	17	14.3567852	23.10501	2	1	17	0.014258	0.022946
2	1	18	14.397422	23.1704	2	1	18	0.014263	0.022955
2	1	19	14.4176521	23.20296	2	1	19	0.014263	0.022955
2	1	20	14.4287943	23.22089	2	1	20	0.014259	0.022948
2	1	21	14.4468678	23.24998	2	1	21	0.014258	0.022947
2	1	22	14.4707238	23.28837	2	1	22	0.01426	0.02295
2	1	23	14.4656615	23.28023	2	1	23	0.014258	0.022945
2	1	24	14.4759222	23.29674	2	1	24	0.014243	0.022922
2	5	1	2.18257221	3.512509	2	5	1	0.002617	0.004212
2	5	2	2.18293275	3.51309	2	5	2	0.002617	0.004212
2	5	3	2.18446202	3.515551	2	5	3	0.002617	0.004211
2	5	4	2.18500504	3.516425	2	5	4	0.002617	0.004211
2	5	5	2.18609037	3.518171	2	5	5	0.002617	0.004212
2	5	6	2.19002039	3.524496	2	5	6	0.002617	0.004211

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	7	2.1922085	3.528018	2	5	7	0.002617	0.004211
2	5	8	2.19279849	3.528967	2	5	8	0.002617	0.004212
2	5	9	2.19348062	3.530065	2	5	9	0.002617	0.004212
2	5	10	2.19040861	3.525121	2	5	10	0.002617	0.004212
2	5	11	2.18421862	3.515159	2	5	11	0.002618	0.004213
2	5	12	2.17849676	3.505951	2	5	12	0.002619	0.004214
2	5	13	2.1721734	3.495774	2	5	13	0.002619	0.004215
2	5	14	2.16676571	3.487071	2	5	14	0.002619	0.004215
2	5	15	2.16111569	3.477979	2	5	15	0.002619	0.004215
2	5	16	2.16175835	3.479013	2	5	16	0.002619	0.004215
2	5	17	2.16421201	3.482962	2	5	17	0.002619	0.004216
2	5	18	2.17157507	3.494811	2	5	18	0.00262	0.004217
2	5	19	2.17523421	3.5007	2	5	19	0.00262	0.004217
2	5	20	2.1772588	3.503958	2	5	20	0.00262	0.004216
2	5	21	2.18053883	3.509237	2	5	21	0.002619	0.004216
2	5	22	2.18486111	3.516193	2	5	22	0.00262	0.004216
2	5	23	2.18395909	3.514741	2	5	23	0.002619	0.004215
2	5	24	2.18580948	3.517719	2	5	24	0.002618	0.004213
2	6	1	1.79834598	2.894157	2	6	1	0.002095	0.003371
2	6	2	1.79866063	2.894664	2	6	2	0.002095	0.003371
2	6	3	1.79996876	2.896769	2	6	3	0.002094	0.003371
2	6	4	1.80043802	2.897524	2	6	4	0.002094	0.003371
2	6	5	1.80137096	2.899026	2	6	5	0.002095	0.003371
2	6	6	1.80473837	2.904445	2	6	6	0.002094	0.003371
2	6	7	1.80662316	2.907478	2	6	7	0.002094	0.003371
2	6	8	1.80712631	2.908288	2	6	8	0.002095	0.003371
2	6	9	1.80770782	2.909224	2	6	9	0.002095	0.003371
2	6	10	1.80507209	2.904982	2	6	10	0.002095	0.003371
2	6	11	1.79975488	2.896425	2	6	11	0.002095	0.003372
2	6	12	1.79484192	2.888518	2	6	12	0.002096	0.003373
2	6	13	1.78939761	2.879756	2	6	13	0.002096	0.003373
2	6	14	1.78475018	2.872277	2	6	14	0.002096	0.003374
2	6	15	1.77989967	2.864471	2	6	15	0.002096	0.003374
2	6	16	1.78045341	2.865362	2	6	16	0.002096	0.003374
2	6	17	1.7825605	2.868753	2	6	17	0.002097	0.003374
2	6	18	1.78888624	2.878933	2	6	18	0.002097	0.003375
2	6	19	1.79203479	2.884	2	6	19	0.002097	0.003375
2	6	20	1.79377986	2.886809	2	6	20	0.002097	0.003374
2	6	21	1.79659167	2.891334	2	6	21	0.002097	0.003374
2	6	22	1.80031006	2.897318	2	6	22	0.002097	0.003374
2	6	23	1.7995303	2.896063	2	6	23	0.002096	0.003374
2	6	24	1.80112512	2.89863	2	6	24	0.002095	0.003372
2	7	1	1.56972427	2.526226	2	7	1	0.001752	0.00282
2	7	2	1.57000238	2.512004	2	7	2	0.001752	0.002819
2	7	3	1.57117044	2.513873	2	7	3	0.001752	0.002819
2	7	4	1.57158256	2.514532	2	7	4	0.001752	0.002819
2	7	5	1.57240398	2.515846	2	7	5	0.001752	0.002819
2	7	6	1.57539776	2.520636	2	7	6	0.001752	0.002819
2	7	7	1.57706204	2.523299	2	7	7	0.001752	0.002819
2	7	8	1.5775176	2.524028	2	7	8	0.001752	0.002819
2	7	9	1.5780352	2.524856	2	7	9	0.001752	0.002819
2	7	10	1.57569666	2.521115	2	7	10	0.001752	0.00282
2	7	11	1.57097386	2.513558	2	7	11	0.001753	0.002821
2	7	12	1.56661316	2.506581	2	7	12	0.001753	0.002821

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	13	1.56178705	2.498859	2	7	13	0.001753	0.002822
2	7	14	1.55766637	2.492266	2	7	14	0.001753	0.002822
2	7	15	1.55336102	2.485378	2	7	15	0.001753	0.002822
2	7	16	1.5538533	2.486165	2	7	16	0.001753	0.002822
2	7	17	1.55572615	2.489162	2	7	17	0.001754	0.002822
2	7	18	1.56133808	2.498141	2	7	18	0.001754	0.002823
2	7	19	1.56412746	2.502604	2	7	19	0.001754	0.002823
2	7	20	1.56567401	2.505078	2	7	20	0.001754	0.002822
2	7	21	1.56817582	2.509081	2	7	21	0.001754	0.002822
2	7	22	1.5714678	2.514348	2	7	22	0.001754	0.002822
2	7	23	1.57078055	2.513249	2	7	23	0.001754	0.002822
2	7	24	1.57219362	2.51551	2	7	24	0.001752	0.00282
2	12	1	0.73670717	1.185615	2	12	1	0.000924	0.001487
2	12	2	0.73683238	1.185817	2	12	2	0.000924	0.001486
2	12	3	0.73735619	1.18666	2	12	3	0.000924	0.001486
2	12	4	0.73754358	1.186961	2	12	4	0.000924	0.001486
2	12	5	0.73791402	1.187558	2	12	5	0.000924	0.001486
2	12	6	0.73925593	1.189717	2	12	6	0.000924	0.001486
2	12	7	0.74000626	1.190925	2	12	7	0.000924	0.001486
2	12	8	0.74020955	1.191252	2	12	8	0.000924	0.001486
2	12	9	0.74043859	1.19162	2	12	9	0.000924	0.001486
2	12	10	0.73938543	1.189926	2	12	10	0.000924	0.001487
2	12	11	0.73725973	1.186505	2	12	11	0.000924	0.001487
2	12	12	0.7352974	1.183346	2	12	12	0.000924	0.001487
2	12	13	0.73312027	1.179843	2	12	13	0.000924	0.001488
2	12	14	0.73126115	1.176851	2	12	14	0.000924	0.001488
2	12	15	0.72932505	1.173735	2	12	15	0.000924	0.001488
2	12	16	0.72954704	1.174092	2	12	16	0.000924	0.001488
2	12	17	0.73039011	1.175449	2	12	17	0.000925	0.001488
2	12	18	0.73291843	1.179518	2	12	18	0.000925	0.001488
2	12	19	0.73417608	1.181542	2	12	19	0.000925	0.001488
2	12	20	0.73487447	1.182666	2	12	20	0.000925	0.001488
2	12	21	0.73600055	1.184478	2	12	21	0.000925	0.001488
2	12	22	0.73748226	1.186863	2	12	22	0.000925	0.001488
2	12	23	0.73717773	1.186373	2	12	23	0.000924	0.001488
2	12	24	0.73781356	1.187396	2	12	24	0.000924	0.001487
2	13	1	0.69522875	1.118862	2	13	1	0.00086	0.001384
2	13	2	0.6953488	1.119055	2	13	2	0.00086	0.001384
2	13	3	0.69585391	1.119868	2	13	3	0.00086	0.001384
2	13	4	0.69603437	1.120159	2	13	4	0.00086	0.001384
2	13	5	0.69639103	1.120733	2	13	5	0.00086	0.001384
2	13	6	0.69768288	1.122812	2	13	6	0.00086	0.001384
2	13	7	0.69840602	1.123976	2	13	7	0.00086	0.001384
2	13	8	0.69860175	1.124291	2	13	8	0.00086	0.001384
2	13	9	0.69882202	1.124645	2	13	9	0.00086	0.001384
2	13	10	0.69780684	1.123011	2	13	10	0.00086	0.001385
2	13	11	0.69575796	1.119714	2	13	11	0.000861	0.001385
2	13	12	0.69386629	1.11667	2	13	12	0.000861	0.001385
2	13	13	0.69176673	1.113291	2	13	13	0.000861	0.001385
2	13	14	0.68997356	1.110405	2	13	14	0.000861	0.001386
2	13	15	0.68810852	1.107403	2	13	15	0.000861	0.001386
2	13	16	0.68832208	1.107747	2	13	16	0.000861	0.001385
2	13	17	0.68913533	1.109056	2	13	17	0.000861	0.001386
2	13	18	0.69157295	1.112979	2	13	18	0.000861	0.001386

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	13	19	0.6927855	1.11493	2	13	19	0.000861	0.001386
2	13	20	0.69345905	1.116014	2	13	20	0.000861	0.001386
2	13	21	0.69454445	1.117761	2	13	21	0.000861	0.001386
2	13	22	0.69597285	1.12006	2	13	22	0.000861	0.001386
2	13	23	0.69568125	1.11959	2	13	23	0.000861	0.001386
2	13	24	0.69629319	1.120575	2	13	24	0.00086	0.001385
2	15	1	0.73791492	1.187559	2	15	1	0.001082	0.001741
2	15	2	0.73805994	1.187792	2	15	2	0.001082	0.001741
2	15	3	0.73866632	1.188768	2	15	3	0.001082	0.001741
2	15	4	0.73888261	1.189116	2	15	4	0.001082	0.001741
2	15	5	0.73931144	1.189806	2	15	5	0.001082	0.001741
2	15	6	0.740862	1.192302	2	15	6	0.001082	0.001741
2	15	7	0.74173084	1.1937	2	15	7	0.001082	0.001741
2	15	8	0.74196588	1.194078	2	15	8	0.001082	0.001741
2	15	9	0.74222948	1.194503	2	15	9	0.001082	0.001741
2	15	10	0.74101092	1.192541	2	15	10	0.001082	0.001741
2	15	11	0.73854879	1.188579	2	15	11	0.001082	0.001742
2	15	12	0.73627651	1.184922	2	15	12	0.001082	0.001742
2	15	13	0.73375342	1.180862	2	15	13	0.001082	0.001742
2	15	14	0.73159932	1.177395	2	15	14	0.001082	0.001742
2	15	15	0.72935802	1.173788	2	15	15	0.001083	0.001742
2	15	16	0.72961586	1.174203	2	15	16	0.001082	0.001742
2	15	17	0.73059246	1.175775	2	15	17	0.001083	0.001742
2	15	18	0.73352226	1.18049	2	15	18	0.001083	0.001743
2	15	19	0.73497818	1.182833	2	15	19	0.001083	0.001743
2	15	20	0.73578788	1.184136	2	15	20	0.001083	0.001742
2	15	21	0.73709153	1.186234	2	15	21	0.001083	0.001742
2	15	22	0.73880725	1.188995	2	15	22	0.001083	0.001742
2	15	23	0.7384576	1.188432	2	15	23	0.001083	0.001742
2	15	24	0.73919307	1.189616	2	15	24	0.001082	0.001741
3	7	1	1.56566831	2.505069	3	7	1	0.001732	0.002788
3	7	2	1.5659427	2.505508	3	7	2	0.001732	0.002788
3	7	3	1.5671027	2.507364	3	7	3	0.001732	0.002788
3	7	4	1.56751202	2.508019	3	7	4	0.001732	0.002788
3	7	5	1.56832631	2.509322	3	7	5	0.001732	0.002788
3	7	6	1.57129498	2.514072	3	7	6	0.001732	0.002788
3	7	7	1.57294655	2.516714	3	7	7	0.001732	0.002788
3	7	8	1.57339838	2.517437	3	7	8	0.001732	0.002788
3	7	9	1.57391072	2.518257	3	7	9	0.001732	0.002788
3	7	10	1.57159015	2.514544	3	7	10	0.001733	0.002788
3	7	11	1.56690363	2.507046	3	7	11	0.001733	0.002789
3	7	12	1.56257611	2.500122	3	7	12	0.001733	0.00279
3	7	13	1.55778628	2.492458	3	7	13	0.001734	0.00279
3	7	14	1.55369724	2.485916	3	7	14	0.001734	0.00279
3	7	15	1.54942444	2.479079	3	7	15	0.001734	0.00279
3	7	16	1.54991393	2.479862	3	7	16	0.001734	0.00279
3	7	17	1.55177251	2.482836	3	7	17	0.001734	0.00279
3	7	18	1.55734103	2.491746	3	7	18	0.001734	0.002791
3	7	19	1.56011026	2.496176	3	7	19	0.001734	0.002791
3	7	20	1.56164595	2.498634	3	7	20	0.001734	0.002791
3	7	21	1.5641273	2.502604	3	7	21	0.001734	0.00279
3	7	22	1.56739386	2.50783	3	7	22	0.001734	0.002791
3	7	23	1.56671374	2.506742	3	7	23	0.001734	0.00279
3	7	24	1.56811595	2.508986	3	7	24	0.001733	0.002788

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	1	1.24436985	2.002619	3	8	1	0.001533	0.002467
3	8	2	1.24458081	2.002959	3	8	2	0.001533	0.002467
3	8	3	1.24548114	2.004408	3	8	3	0.001533	0.002467
3	8	4	1.2457984	2.004918	3	8	4	0.001533	0.002467
3	8	5	1.2464415	2.005953	3	8	5	0.001533	0.002467
3	8	6	1.24874681	2.009663	3	8	6	0.001533	0.002467
3	8	7	1.25003494	2.011736	3	8	7	0.001533	0.002467
3	8	8	1.25038667	2.012302	3	8	8	0.001533	0.002467
3	8	9	1.2507857	2.012944	3	8	9	0.001533	0.002467
3	8	10	1.24897496	2.01003	3	8	10	0.001533	0.002467
3	8	11	1.24532909	2.004163	3	8	11	0.001533	0.002468
3	8	12	1.2419636	1.998747	3	8	12	0.001534	0.002468
3	8	13	1.23823009	1.992738	3	8	13	0.001534	0.002469
3	8	14	1.23504188	1.987607	3	8	14	0.001534	0.002469
3	8	15	1.23172456	1.982269	3	8	15	0.001534	0.002469
3	8	16	1.23209724	1.982868	3	8	16	0.001534	0.002469
3	8	17	1.23354689	1.985201	3	8	17	0.001534	0.002469
3	8	18	1.23788158	1.992177	3	8	18	0.001535	0.00247
3	8	19	1.24003863	1.995649	3	8	19	0.001535	0.00247
3	8	20	1.2412329	1.997571	3	8	20	0.001534	0.002469
3	8	21	1.24316683	2.000683	3	8	21	0.001534	0.002469
3	8	22	1.2457082	2.004773	3	8	22	0.001534	0.002469
3	8	23	1.24518087	2.003924	3	8	23	0.001534	0.002469
3	8	24	1.24627308	2.005682	3	8	24	0.001533	0.002467
3	11	1	0.84743768	1.3559	3	11	1	0.001037	0.001669
3	11	2	0.84758451	1.356135	3	11	2	0.001037	0.001668
3	11	3	0.8482021	1.357123	3	11	3	0.001037	0.001668
3	11	4	0.84842215	1.357475	3	11	4	0.001037	0.001668
3	11	5	0.84885915	1.358175	3	11	5	0.001037	0.001668
3	11	6	0.85044102	1.360706	3	11	6	0.001037	0.001668
3	11	7	0.85132606	1.362122	3	11	7	0.001037	0.001668
3	11	8	0.85156551	1.362505	3	11	8	0.001037	0.001668
3	11	9	0.85183552	1.362937	3	11	9	0.001037	0.001668
3	11	10	0.85059413	1.360951	3	11	10	0.001037	0.001669
3	11	11	0.84808935	1.356943	3	11	11	0.001037	0.001669
3	11	12	0.84577731	1.353244	3	11	12	0.001037	0.00167
3	11	13	0.84321102	1.349138	3	11	13	0.001038	0.00167
3	11	14	0.84102023	1.345632	3	11	14	0.001038	0.00167
3	11	15	0.83873936	1.341983	3	11	15	0.001038	0.00167
3	11	16	0.83900026	1.3424	3	11	16	0.001038	0.00167
3	11	17	0.83999364	1.34399	3	11	17	0.001038	0.00167
3	11	18	0.84297341	1.348757	3	11	18	0.001038	0.00167
3	11	19	0.84445527	1.351128	3	11	19	0.001038	0.00167
3	11	20	0.84527801	1.352445	3	11	20	0.001038	0.00167
3	11	21	0.84660511	1.354568	3	11	21	0.001038	0.00167
3	11	22	0.84835051	1.357361	3	11	22	0.001038	0.00167
3	11	23	0.84799237	1.356788	3	11	23	0.001038	0.00167
3	11	24	0.8487418	1.357987	3	11	24	0.001037	0.001669
5	6	1	1.81312221	2.917937	5	6	1	0.002075	0.003339
5	6	2	1.81343779	2.918445	5	6	2	0.002075	0.003339
5	6	3	1.81474995	2.920557	5	6	3	0.002075	0.003339
5	6	4	1.81521982	2.921313	5	6	4	0.002075	0.003339
5	6	5	1.81615555	2.922819	5	6	5	0.002075	0.003339
5	6	6	1.81953193	2.928253	5	6	6	0.002075	0.003339

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	7	1.82142136	2.931294	5	6	7	0.002075	0.003339
5	6	8	1.82192576	2.932105	5	6	8	0.002075	0.003339
5	6	9	1.82250943	2.933045	5	6	9	0.002075	0.003339
5	6	10	1.81986597	2.92879	5	6	10	0.002075	0.003339
5	6	11	1.81453359	2.920209	5	6	11	0.002076	0.00334
5	6	12	1.8096067	2.91228	5	6	12	0.002076	0.003341
5	6	13	1.80414723	2.903494	5	6	13	0.002076	0.003341
5	6	14	1.79948556	2.895991	5	6	14	0.002076	0.003342
5	6	15	1.79462112	2.888163	5	6	15	0.002077	0.003342
5	6	16	1.79517703	2.889057	5	6	16	0.002076	0.003342
5	6	17	1.79729155	2.89246	5	6	17	0.002077	0.003342
5	6	18	1.8036343	2.902668	5	6	18	0.002077	0.003343
5	6	19	1.80679183	2.90775	5	6	19	0.002077	0.003343
5	6	20	1.80854186	2.910566	5	6	20	0.002077	0.003342
5	6	21	1.81136203	2.915105	5	6	21	0.002077	0.003342
5	6	22	1.81509093	2.921106	5	6	22	0.002077	0.003342
5	6	23	1.81430932	2.919848	5	6	23	0.002077	0.003342
5	6	24	1.81590817	2.922421	5	6	24	0.002075	0.00334
5	8	1	1.24436985	2.002619	5	8	1	0.001533	0.002467
5	8	2	1.24458081	2.002959	5	8	2	0.001533	0.002467
5	8	3	1.24548114	2.004408	5	8	3	0.001533	0.002467
5	8	4	1.2457984	2.004918	5	8	4	0.001533	0.002467
5	8	5	1.2464415	2.005953	5	8	5	0.001533	0.002467
5	8	6	1.24874681	2.009663	5	8	6	0.001533	0.002467
5	8	7	1.25003494	2.011736	5	8	7	0.001533	0.002467
5	8	8	1.25038667	2.012302	5	8	8	0.001533	0.002467
5	8	9	1.2507857	2.012944	5	8	9	0.001533	0.002467
5	8	10	1.24897496	2.01003	5	8	10	0.001533	0.002467
5	8	11	1.24532909	2.004163	5	8	11	0.001533	0.002468
5	8	12	1.2419636	1.998747	5	8	12	0.001534	0.002468
5	8	13	1.23823009	1.992738	5	8	13	0.001534	0.002469
5	8	14	1.23504188	1.987607	5	8	14	0.001534	0.002469
5	8	15	1.23172456	1.982269	5	8	15	0.001534	0.002469
5	8	16	1.23209724	1.982868	5	8	16	0.001534	0.002469
5	8	17	1.23354689	1.985201	5	8	17	0.001534	0.002469
5	8	18	1.23788159	1.992177	5	8	18	0.001535	0.00247
5	8	19	1.24003863	1.995649	5	8	19	0.001535	0.00247
5	8	20	1.2412329	1.997571	5	8	20	0.001534	0.002469
5	8	21	1.24316683	2.000683	5	8	21	0.001534	0.002469
5	8	22	1.2457082	2.004773	5	8	22	0.001534	0.002469
5	8	23	1.24518087	2.003924	5	8	23	0.001534	0.002469
5	8	24	1.24627308	2.005682	5	8	24	0.001533	0.002467
5	11	1	0.84743768	1.363819	5	11	1	0.001037	0.001669
5	11	2	0.84758451	1.364055	5	11	2	0.001037	0.001668
5	11	3	0.8482021	1.365049	5	11	3	0.001037	0.001668
5	11	4	0.84842215	1.365403	5	11	4	0.001037	0.001668
5	11	5	0.84885915	1.366106	5	11	5	0.001037	0.001668
5	11	6	0.850441	1.368652	5	11	6	0.001037	0.001668
5	11	7	0.85132606	1.370076	5	11	7	0.001037	0.001668
5	11	8	0.85156551	1.370462	5	11	8	0.001037	0.001668
5	11	9	0.85183552	1.370896	5	11	9	0.001037	0.001668
5	11	10	0.85059413	1.368899	5	11	10	0.001037	0.001669
5	11	11	0.84808935	1.364868	5	11	11	0.001037	0.001669
5	11	12	0.84577731	1.361147	5	11	12	0.001037	0.00167

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	3	Oxides of Nitrogen (NOx)			PollutantID	20	Benzene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	13	0.84321102	1.357017	5	11	13	0.001038	0.00167
5	11	14	0.84102023	1.353491	5	11	14	0.001038	0.00167
5	11	15	0.83873936	1.34982	5	11	15	0.001038	0.00167
5	11	16	0.83900026	1.35024	5	11	16	0.001038	0.00167
5	11	17	0.83999364	1.351839	5	11	17	0.001038	0.00167
5	11	18	0.84297341	1.356634	5	11	18	0.001038	0.00167
5	11	19	0.84445527	1.359019	5	11	19	0.001038	0.00167
5	11	20	0.84527801	1.360343	5	11	20	0.001038	0.00167
5	11	21	0.84660504	1.362479	5	11	21	0.001038	0.00167
5	11	22	0.84835051	1.365288	5	11	22	0.001038	0.00167
5	11	23	0.84799237	1.364711	5	11	23	0.001038	0.00167
5	11	24	0.8487418	1.365918	5	11	24	0.001037	0.001669
5	7	1	1.56566831	2.519699	5	7	1	0.001732	0.002788
5	7	2	1.5659427	2.52014	5	7	2	0.001732	0.002788
5	7	3	1.5671027	2.522007	5	7	3	0.001732	0.002788
5	7	4	1.56751202	2.522666	5	7	4	0.001732	0.002788
5	7	5	1.56832631	2.523977	5	7	5	0.001732	0.002788
5	7	6	1.57129498	2.528754	5	7	6	0.001732	0.002788
5	7	7	1.57294655	2.531412	5	7	7	0.001732	0.002788
5	7	8	1.57339838	2.532139	5	7	8	0.001732	0.002788
5	7	9	1.57391072	2.532964	5	7	9	0.001732	0.002788
5	7	10	1.57159015	2.529229	5	7	10	0.001733	0.002788
5	7	11	1.56690363	2.521687	5	7	11	0.001733	0.002789
5	7	12	1.56257611	2.514722	5	7	12	0.001733	0.00279
5	7	13	1.55778628	2.507014	5	7	13	0.001734	0.00279
5	7	14	1.55369724	2.500433	5	7	14	0.001734	0.00279
5	7	15	1.54942444	2.493557	5	7	15	0.001734	0.00279
5	7	16	1.54991393	2.494345	5	7	16	0.001734	0.00279
5	7	17	1.55177251	2.497336	5	7	17	0.001734	0.00279
5	7	18	1.55734103	2.506297	5	7	18	0.001734	0.002791
5	7	19	1.56011026	2.510754	5	7	19	0.001734	0.002791
5	7	20	1.56164595	2.513226	5	7	20	0.001734	0.002791
5	7	21	1.5641273	2.517219	5	7	21	0.001734	0.00279
5	7	22	1.56739386	2.522476	5	7	22	0.001734	0.002791
5	7	23	1.56671374	2.521381	5	7	23	0.001734	0.00279
5	7	24	1.56811595	2.523638	5	7	24	0.001733	0.002788

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	0	0	1	0	1	1.22954	1.978757
1	0	2	0	0	1	0	2	1.22954	1.978757
1	0	3	0	0	1	0	3	1.22954	1.978757
1	0	4	0	0	1	0	4	1.22954	1.978757
1	0	5	0	0	1	0	5	1.22954	1.978757
1	0	6	0	0	1	0	6	1.22954	1.978757
1	0	7	0	0	1	0	7	1.22954	1.978757
1	0	8	0	0	1	0	8	1.22954	1.978757
1	0	9	0	0	1	0	9	1.22954	1.978757
1	0	10	0	0	1	0	10	1.22954	1.978757
1	0	11	0	0	1	0	11	1.22954	1.978757
1	0	12	0	0	1	0	12	1.22954	1.978757
1	0	13	0	0	1	0	13	1.22954	1.978757
1	0	14	0	0	1	0	14	1.22954	1.978757
1	0	15	0	0	1	0	15	1.22954	1.978757
1	0	16	0	0	1	0	16	1.22954	1.978757
1	0	17	0	0	1	0	17	1.22954	1.978757
1	0	18	0	0	1	0	18	1.22954	1.978757
1	0	19	0	0	1	0	19	1.22954	1.978757
1	0	20	0	0	1	0	20	1.22954	1.978757
1	0	21	0	0	1	0	21	1.22954	1.978757
1	0	22	0	0	1	0	22	1.22954	1.978757
1	0	23	0	0	1	0	23	1.22954	1.978757
1	0	24	0	0	1	0	24	1.22954	1.978757
2	1	1	0	0	2	1	1	0.72925	1.17362
2	1	2	0	0	2	1	2	0.72925	1.17362
2	1	3	0	0	2	1	3	0.72925	1.17362
2	1	4	0	0	2	1	4	0.72925	1.17362
2	1	5	0	0	2	1	5	0.72925	1.17362
2	1	6	0	0	2	1	6	0.72925	1.17362
2	1	7	0	0	2	1	7	0.72925	1.17362
2	1	8	0	0	2	1	8	0.72925	1.17362
2	1	9	0	0	2	1	9	0.72925	1.17362
2	1	10	0	0	2	1	10	0.72925	1.17362
2	1	11	0	0	2	1	11	0.72925	1.17362
2	1	12	0	0	2	1	12	0.72925	1.17362
2	1	13	0	0	2	1	13	0.72925	1.17362
2	1	14	0	0	2	1	14	0.72925	1.17362
2	1	15	0	0	2	1	15	0.72925	1.17362
2	1	16	0	0	2	1	16	0.72925	1.17362
2	1	17	0	0	2	1	17	0.72925	1.17362
2	1	18	0	0	2	1	18	0.72925	1.17362
2	1	19	0	0	2	1	19	0.72925	1.17362
2	1	20	0	0	2	1	20	0.72925	1.17362
2	1	21	0	0	2	1	21	0.72925	1.17362
2	1	22	0	0	2	1	22	0.72925	1.17362
2	1	23	0	0	2	1	23	0.72925	1.17362
2	1	24	0	0	2	1	24	0.72925	1.17362
2	5	1	0	0	2	5	1	0.1296	0.208568
2	5	2	0	0	2	5	2	0.1296	0.208568
2	5	3	0	0	2	5	3	0.1296	0.208568
2	5	4	0	0	2	5	4	0.1296	0.208568
2	5	5	0	0	2	5	5	0.1296	0.208568
2	5	6	0	0	2	5	6	0.1296	0.208568

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	7	0	0	2	5	7	0.1296	0.208568
2	5	8	0	0	2	5	8	0.1296	0.208568
2	5	9	0	0	2	5	9	0.1296	0.208568
2	5	10	0	0	2	5	10	0.1296	0.208568
2	5	11	0	0	2	5	11	0.1296	0.208568
2	5	12	0	0	2	5	12	0.1296	0.208568
2	5	13	0	0	2	5	13	0.1296	0.208568
2	5	14	0	0	2	5	14	0.1296	0.208568
2	5	15	0	0	2	5	15	0.1296	0.208568
2	5	16	0	0	2	5	16	0.1296	0.208568
2	5	17	0	0	2	5	17	0.1296	0.208568
2	5	18	0	0	2	5	18	0.1296	0.208568
2	5	19	0	0	2	5	19	0.1296	0.208568
2	5	20	0	0	2	5	20	0.1296	0.208568
2	5	21	0	0	2	5	21	0.1296	0.208568
2	5	22	0	0	2	5	22	0.1296	0.208568
2	5	23	0	0	2	5	23	0.1296	0.208568
2	5	24	0	0	2	5	24	0.1296	0.208568
2	6	1	0	0	2	6	1	0.1049	0.168821
2	6	2	0	0	2	6	2	0.1049	0.168821
2	6	3	0	0	2	6	3	0.1049	0.168821
2	6	4	0	0	2	6	4	0.1049	0.168821
2	6	5	0	0	2	6	5	0.1049	0.168821
2	6	6	0	0	2	6	6	0.1049	0.168821
2	6	7	0	0	2	6	7	0.1049	0.168821
2	6	8	0	0	2	6	8	0.1049	0.168821
2	6	9	0	0	2	6	9	0.1049	0.168821
2	6	10	0	0	2	6	10	0.1049	0.168821
2	6	11	0	0	2	6	11	0.1049	0.168821
2	6	12	0	0	2	6	12	0.1049	0.168821
2	6	13	0	0	2	6	13	0.1049	0.168821
2	6	14	0	0	2	6	14	0.1049	0.168821
2	6	15	0	0	2	6	15	0.1049	0.168821
2	6	16	0	0	2	6	16	0.1049	0.168821
2	6	17	0	0	2	6	17	0.1049	0.168821
2	6	18	0	0	2	6	18	0.1049	0.168821
2	6	19	0	0	2	6	19	0.1049	0.168821
2	6	20	0	0	2	6	20	0.1049	0.168821
2	6	21	0	0	2	6	21	0.1049	0.168821
2	6	22	0	0	2	6	22	0.1049	0.168821
2	6	23	0	0	2	6	23	0.1049	0.168821
2	6	24	0	0	2	6	24	0.1049	0.168821
2	7	1	0	0	2	7	1	0.08702	0.140041
2	7	2	0	0	2	7	2	0.08702	0.140041
2	7	3	0	0	2	7	3	0.08702	0.140041
2	7	4	0	0	2	7	4	0.08702	0.140041
2	7	5	0	0	2	7	5	0.08702	0.140041
2	7	6	0	0	2	7	6	0.08702	0.140041
2	7	7	0	0	2	7	7	0.08702	0.140041
2	7	8	0	0	2	7	8	0.08702	0.140041
2	7	9	0	0	2	7	9	0.08702	0.140041
2	7	10	0	0	2	7	10	0.08702	0.140041
2	7	11	0	0	2	7	11	0.08702	0.140041
2	7	12	0	0	2	7	12	0.08702	0.140041

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	13	0	0	2	7	13	0.08702	0.140041
2	7	14	0	0	2	7	14	0.08702	0.140041
2	7	15	0	0	2	7	15	0.08702	0.140041
2	7	16	0	0	2	7	16	0.08702	0.140041
2	7	17	0	0	2	7	17	0.08702	0.140041
2	7	18	0	0	2	7	18	0.08702	0.140041
2	7	19	0	0	2	7	19	0.08702	0.140041
2	7	20	0	0	2	7	20	0.08702	0.140041
2	7	21	0	0	2	7	21	0.08702	0.140041
2	7	22	0	0	2	7	22	0.08702	0.140041
2	7	23	0	0	2	7	23	0.08702	0.140041
2	7	24	0	0	2	7	24	0.08702	0.140041
2	12	1	0	0	2	12	1	0.0413	0.066469
2	12	2	0	0	2	12	2	0.0413	0.066469
2	12	3	0	0	2	12	3	0.0413	0.066469
2	12	4	0	0	2	12	4	0.0413	0.066469
2	12	5	0	0	2	12	5	0.0413	0.066469
2	12	6	0	0	2	12	6	0.0413	0.066469
2	12	7	0	0	2	12	7	0.0413	0.066469
2	12	8	0	0	2	12	8	0.0413	0.066469
2	12	9	0	0	2	12	9	0.0413	0.066469
2	12	10	0	0	2	12	10	0.0413	0.066469
2	12	11	0	0	2	12	11	0.0413	0.066469
2	12	12	0	0	2	12	12	0.0413	0.066469
2	12	13	0	0	2	12	13	0.0413	0.066469
2	12	14	0	0	2	12	14	0.0413	0.066469
2	12	15	0	0	2	12	15	0.0413	0.066469
2	12	16	0	0	2	12	16	0.0413	0.066469
2	12	17	0	0	2	12	17	0.0413	0.066469
2	12	18	0	0	2	12	18	0.0413	0.066469
2	12	19	0	0	2	12	19	0.0413	0.066469
2	12	20	0	0	2	12	20	0.0413	0.066469
2	12	21	0	0	2	12	21	0.0413	0.066469
2	12	22	0	0	2	12	22	0.0413	0.066469
2	12	23	0	0	2	12	23	0.0413	0.066469
2	12	24	0	0	2	12	24	0.0413	0.066469
2	13	1	0	0	2	13	1	0.03589	0.057752
2	13	2	0	0	2	13	2	0.03589	0.057752
2	13	3	0	0	2	13	3	0.03589	0.057752
2	13	4	0	0	2	13	4	0.03589	0.057752
2	13	5	0	0	2	13	5	0.03589	0.057752
2	13	6	0	0	2	13	6	0.03589	0.057752
2	13	7	0	0	2	13	7	0.03589	0.057752
2	13	8	0	0	2	13	8	0.03589	0.057752
2	13	9	0	0	2	13	9	0.03589	0.057752
2	13	10	0	0	2	13	10	0.03589	0.057752
2	13	11	0	0	2	13	11	0.03589	0.057752
2	13	12	0	0	2	13	12	0.03589	0.057752
2	13	13	0	0	2	13	13	0.03589	0.057752
2	13	14	0	0	2	13	14	0.03589	0.057752
2	13	15	0	0	2	13	15	0.03589	0.057752
2	13	16	0	0	2	13	16	0.03589	0.057752
2	13	17	0	0	2	13	17	0.03589	0.057752
2	13	18	0	0	2	13	18	0.03589	0.057752

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	13	19	0	0	2	13	19	0.03589	0.057752
2	13	20	0	0	2	13	20	0.03589	0.057752
2	13	21	0	0	2	13	21	0.03589	0.057752
2	13	22	0	0	2	13	22	0.03589	0.057752
2	13	23	0	0	2	13	23	0.03589	0.057752
2	13	24	0	0	2	13	24	0.03589	0.057752
2	15	1	0	0	2	15	1	0.03073	0.04946
2	15	2	0	0	2	15	2	0.03073	0.04946
2	15	3	0	0	2	15	3	0.03073	0.04946
2	15	4	0	0	2	15	4	0.03073	0.04946
2	15	5	0	0	2	15	5	0.03073	0.04946
2	15	6	0	0	2	15	6	0.03073	0.04946
2	15	7	0	0	2	15	7	0.03073	0.04946
2	15	8	0	0	2	15	8	0.03073	0.04946
2	15	9	0	0	2	15	9	0.03073	0.04946
2	15	10	0	0	2	15	10	0.03073	0.04946
2	15	11	0	0	2	15	11	0.03073	0.04946
2	15	12	0	0	2	15	12	0.03073	0.04946
2	15	13	0	0	2	15	13	0.03073	0.04946
2	15	14	0	0	2	15	14	0.03073	0.04946
2	15	15	0	0	2	15	15	0.03073	0.04946
2	15	16	0	0	2	15	16	0.03073	0.04946
2	15	17	0	0	2	15	17	0.03073	0.04946
2	15	18	0	0	2	15	18	0.03073	0.04946
2	15	19	0	0	2	15	19	0.03073	0.04946
2	15	20	0	0	2	15	20	0.03073	0.04946
2	15	21	0	0	2	15	21	0.03073	0.04946
2	15	22	0	0	2	15	22	0.03073	0.04946
2	15	23	0	0	2	15	23	0.03073	0.04946
2	15	24	0	0	2	15	24	0.03073	0.04946
3	7	1	0	0	3	7	1	0.08611	0.138578
3	7	2	0	0	3	7	2	0.08611	0.138578
3	7	3	0	0	3	7	3	0.08611	0.138578
3	7	4	0	0	3	7	4	0.08611	0.138578
3	7	5	0	0	3	7	5	0.08611	0.138578
3	7	6	0	0	3	7	6	0.08611	0.138578
3	7	7	0	0	3	7	7	0.08611	0.138578
3	7	8	0	0	3	7	8	0.08611	0.138578
3	7	9	0	0	3	7	9	0.08611	0.138578
3	7	10	0	0	3	7	10	0.08611	0.138578
3	7	11	0	0	3	7	11	0.08611	0.138578
3	7	12	0	0	3	7	12	0.08611	0.138578
3	7	13	0	0	3	7	13	0.08611	0.138578
3	7	14	0	0	3	7	14	0.08611	0.138578
3	7	15	0	0	3	7	15	0.08611	0.138578
3	7	16	0	0	3	7	16	0.08611	0.138578
3	7	17	0	0	3	7	17	0.08611	0.138578
3	7	18	0	0	3	7	18	0.08611	0.138578
3	7	19	0	0	3	7	19	0.08611	0.138578
3	7	20	0	0	3	7	20	0.08611	0.138578
3	7	21	0	0	3	7	21	0.08611	0.138578
3	7	22	0	0	3	7	22	0.08611	0.138578
3	7	23	0	0	3	7	23	0.08611	0.138578
3	7	24	0	0	3	7	24	0.08611	0.138578

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	1	0	0	3	8	1	0.07586	0.122082
3	8	2	0	0	3	8	2	0.07586	0.122082
3	8	3	0	0	3	8	3	0.07586	0.122082
3	8	4	0	0	3	8	4	0.07586	0.122082
3	8	5	0	0	3	8	5	0.07586	0.122082
3	8	6	0	0	3	8	6	0.07586	0.122082
3	8	7	0	0	3	8	7	0.07586	0.122082
3	8	8	0	0	3	8	8	0.07586	0.122082
3	8	9	0	0	3	8	9	0.07586	0.122082
3	8	10	0	0	3	8	10	0.07586	0.122082
3	8	11	0	0	3	8	11	0.07586	0.122082
3	8	12	0	0	3	8	12	0.07586	0.122082
3	8	13	0	0	3	8	13	0.07586	0.122082
3	8	14	0	0	3	8	14	0.07586	0.122082
3	8	15	0	0	3	8	15	0.07586	0.122082
3	8	16	0	0	3	8	16	0.07586	0.122082
3	8	17	0	0	3	8	17	0.07586	0.122082
3	8	18	0	0	3	8	18	0.07586	0.122082
3	8	19	0	0	3	8	19	0.07586	0.122082
3	8	20	0	0	3	8	20	0.07586	0.122082
3	8	21	0	0	3	8	21	0.07586	0.122082
3	8	22	0	0	3	8	22	0.07586	0.122082
3	8	23	0	0	3	8	23	0.07586	0.122082
3	8	24	0	0	3	8	24	0.07586	0.122082
3	11	1	0	0	3	11	1	0.04792	0.077122
3	11	2	0	0	3	11	2	0.04792	0.077122
3	11	3	0	0	3	11	3	0.04792	0.077122
3	11	4	0	0	3	11	4	0.04792	0.077122
3	11	5	0	0	3	11	5	0.04792	0.077122
3	11	6	0	0	3	11	6	0.04792	0.077122
3	11	7	0	0	3	11	7	0.04792	0.077122
3	11	8	0	0	3	11	8	0.04792	0.077122
3	11	9	0	0	3	11	9	0.04792	0.077122
3	11	10	0	0	3	11	10	0.04792	0.077122
3	11	11	0	0	3	11	11	0.04792	0.077122
3	11	12	0	0	3	11	12	0.04792	0.077122
3	11	13	0	0	3	11	13	0.04792	0.077122
3	11	14	0	0	3	11	14	0.04792	0.077122
3	11	15	0	0	3	11	15	0.04792	0.077122
3	11	16	0	0	3	11	16	0.04792	0.077122
3	11	17	0	0	3	11	17	0.04792	0.077122
3	11	18	0	0	3	11	18	0.04792	0.077122
3	11	19	0	0	3	11	19	0.04792	0.077122
3	11	20	0	0	3	11	20	0.04792	0.077122
3	11	21	0	0	3	11	21	0.04792	0.077122
3	11	22	0	0	3	11	22	0.04792	0.077122
3	11	23	0	0	3	11	23	0.04792	0.077122
3	11	24	0	0	3	11	24	0.04792	0.077122
5	6	1	0	0	5	6	1	0.10453	0.168217
5	6	2	0	0	5	6	2	0.10453	0.168217
5	6	3	0	0	5	6	3	0.10453	0.168217
5	6	4	0	0	5	6	4	0.10453	0.168217
5	6	5	0	0	5	6	5	0.10453	0.168217
5	6	6	0	0	5	6	6	0.10453	0.168217

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	7	0	0	5	6	7	0.10453	0.168217
5	6	8	0	0	5	6	8	0.10453	0.168217
5	6	9	0	0	5	6	9	0.10453	0.168217
5	6	10	0	0	5	6	10	0.10453	0.168217
5	6	11	0	0	5	6	11	0.10453	0.168217
5	6	12	0	0	5	6	12	0.10453	0.168217
5	6	13	0	0	5	6	13	0.10453	0.168217
5	6	14	0	0	5	6	14	0.10453	0.168217
5	6	15	0	0	5	6	15	0.10453	0.168217
5	6	16	0	0	5	6	16	0.10453	0.168217
5	6	17	0	0	5	6	17	0.10453	0.168217
5	6	18	0	0	5	6	18	0.10453	0.168217
5	6	19	0	0	5	6	19	0.10453	0.168217
5	6	20	0	0	5	6	20	0.10453	0.168217
5	6	21	0	0	5	6	21	0.10453	0.168217
5	6	22	0	0	5	6	22	0.10453	0.168217
5	6	23	0	0	5	6	23	0.10453	0.168217
5	6	24	0	0	5	6	24	0.10453	0.168217
5	8	1	0	0	5	8	1	0.07586	0.122082
5	8	2	0	0	5	8	2	0.07586	0.122082
5	8	3	0	0	5	8	3	0.07586	0.122082
5	8	4	0	0	5	8	4	0.07586	0.122082
5	8	5	0	0	5	8	5	0.07586	0.122082
5	8	6	0	0	5	8	6	0.07586	0.122082
5	8	7	0	0	5	8	7	0.07586	0.122082
5	8	8	0	0	5	8	8	0.07586	0.122082
5	8	9	0	0	5	8	9	0.07586	0.122082
5	8	10	0	0	5	8	10	0.07586	0.122082
5	8	11	0	0	5	8	11	0.07586	0.122082
5	8	12	0	0	5	8	12	0.07586	0.122082
5	8	13	0	0	5	8	13	0.07586	0.122082
5	8	14	0	0	5	8	14	0.07586	0.122082
5	8	15	0	0	5	8	15	0.07586	0.122082
5	8	16	0	0	5	8	16	0.07586	0.122082
5	8	17	0	0	5	8	17	0.07586	0.122082
5	8	18	0	0	5	8	18	0.07586	0.122082
5	8	19	0	0	5	8	19	0.07586	0.122082
5	8	20	0	0	5	8	20	0.07586	0.122082
5	8	21	0	0	5	8	21	0.07586	0.122082
5	8	22	0	0	5	8	22	0.07586	0.122082
5	8	23	0	0	5	8	23	0.07586	0.122082
5	8	24	0	0	5	8	24	0.07586	0.122082
5	11	1	0	0	5	11	1	0.04792	0.077122
5	11	2	0	0	5	11	2	0.04792	0.077122
5	11	3	0	0	5	11	3	0.04792	0.077122
5	11	4	0	0	5	11	4	0.04792	0.077122
5	11	5	0	0	5	11	5	0.04792	0.077122
5	11	6	0	0	5	11	6	0.04792	0.077122
5	11	7	0	0	5	11	7	0.04792	0.077122
5	11	8	0	0	5	11	8	0.04792	0.077122
5	11	9	0	0	5	11	9	0.04792	0.077122
5	11	10	0	0	5	11	10	0.04792	0.077122
5	11	11	0	0	5	11	11	0.04792	0.077122
5	11	12	0	0	5	11	12	0.04792	0.077122

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	24	1,3-Butadiene			PollutantID	25	Formaldehyde		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	13	0	0	5	11	13	0.04792	0.077122
5	11	14	0	0	5	11	14	0.04792	0.077122
5	11	15	0	0	5	11	15	0.04792	0.077122
5	11	16	0	0	5	11	16	0.04792	0.077122
5	11	17	0	0	5	11	17	0.04792	0.077122
5	11	18	0	0	5	11	18	0.04792	0.077122
5	11	19	0	0	5	11	19	0.04792	0.077122
5	11	20	0	0	5	11	20	0.04792	0.077122
5	11	21	0	0	5	11	21	0.04792	0.077122
5	11	22	0	0	5	11	22	0.04792	0.077122
5	11	23	0	0	5	11	23	0.04792	0.077122
5	11	24	0	0	5	11	24	0.04792	0.077122
5	7	1	0	0	5	7	1	0.08611	0.138578
5	7	2	0	0	5	7	2	0.08611	0.138578
5	7	3	0	0	5	7	3	0.08611	0.138578
5	7	4	0	0	5	7	4	0.08611	0.138578
5	7	5	0	0	5	7	5	0.08611	0.138578
5	7	6	0	0	5	7	6	0.08611	0.138578
5	7	7	0	0	5	7	7	0.08611	0.138578
5	7	8	0	0	5	7	8	0.08611	0.138578
5	7	9	0	0	5	7	9	0.08611	0.138578
5	7	10	0	0	5	7	10	0.08611	0.138578
5	7	11	0	0	5	7	11	0.08611	0.138578
5	7	12	0	0	5	7	12	0.08611	0.138578
5	7	13	0	0	5	7	13	0.08611	0.138578
5	7	14	0	0	5	7	14	0.08611	0.138578
5	7	15	0	0	5	7	15	0.08611	0.138578
5	7	16	0	0	5	7	16	0.08611	0.138578
5	7	17	0	0	5	7	17	0.08611	0.138578
5	7	18	0	0	5	7	18	0.08611	0.138578
5	7	19	0	0	5	7	19	0.08611	0.138578
5	7	20	0	0	5	7	20	0.08611	0.138578
5	7	21	0	0	5	7	21	0.08611	0.138578
5	7	22	0	0	5	7	22	0.08611	0.138578
5	7	23	0	0	5	7	23	0.08611	0.138578
5	7	24	0	0	5	7	24	0.08611	0.138578

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	1.048693	1.687707	1	0	1	0.000999	0.001607
1	0	2	1.048693	1.687707	1	0	2	0.000999	0.001607
1	0	3	1.048693	1.687707	1	0	3	0.000999	0.001607
1	0	4	1.048693	1.687707	1	0	4	0.000999	0.001607
1	0	5	1.048693	1.687707	1	0	5	0.000999	0.001607
1	0	6	1.048693	1.687707	1	0	6	0.000999	0.001607
1	0	7	1.048693	1.687707	1	0	7	0.000999	0.001607
1	0	8	1.048693	1.687707	1	0	8	0.000999	0.001607
1	0	9	1.048693	1.687707	1	0	9	0.000999	0.001607
1	0	10	1.048693	1.687707	1	0	10	0.000999	0.001607
1	0	11	1.048693	1.687707	1	0	11	0.000999	0.001607
1	0	12	1.048693	1.687707	1	0	12	0.000999	0.001607
1	0	13	1.048693	1.687707	1	0	13	0.000999	0.001607
1	0	14	1.048693	1.687707	1	0	14	0.000999	0.001607
1	0	15	1.048693	1.687707	1	0	15	0.000999	0.001607
1	0	16	1.048693	1.687707	1	0	16	0.000999	0.001607
1	0	17	1.048693	1.687707	1	0	17	0.000999	0.001607
1	0	18	1.048693	1.687707	1	0	18	0.000999	0.001607
1	0	19	1.048693	1.687707	1	0	19	0.000999	0.001607
1	0	20	1.048693	1.687707	1	0	20	0.000999	0.001607
1	0	21	1.048693	1.687707	1	0	21	0.000999	0.001607
1	0	22	1.048693	1.687707	1	0	22	0.000999	0.001607
1	0	23	1.048693	1.687707	1	0	23	0.000999	0.001607
1	0	24	1.048693	1.687707	1	0	24	0.000999	0.001607
2	1	1	0.621703	1.000535	2	1	1	0.000588	0.000946
2	1	2	0.621703	1.000535	2	1	2	0.000588	0.000946
2	1	3	0.621703	1.000535	2	1	3	0.000588	0.000946
2	1	4	0.621703	1.000535	2	1	4	0.000588	0.000946
2	1	5	0.621703	1.000535	2	1	5	0.000588	0.000946
2	1	6	0.621703	1.000535	2	1	6	0.000588	0.000946
2	1	7	0.621703	1.000535	2	1	7	0.000588	0.000946
2	1	8	0.621703	1.000535	2	1	8	0.000588	0.000946
2	1	9	0.621703	1.000535	2	1	9	0.000588	0.000946
2	1	10	0.621703	1.000535	2	1	10	0.000588	0.000946
2	1	11	0.621703	1.000535	2	1	11	0.000588	0.000946
2	1	12	0.621703	1.000535	2	1	12	0.000588	0.000946
2	1	13	0.621703	1.000535	2	1	13	0.000588	0.000946
2	1	14	0.621703	1.000535	2	1	14	0.000588	0.000946
2	1	15	0.621703	1.000535	2	1	15	0.000588	0.000946
2	1	16	0.621703	1.000535	2	1	16	0.000588	0.000946
2	1	17	0.621703	1.000535	2	1	17	0.000588	0.000946
2	1	18	0.621703	1.000535	2	1	18	0.000588	0.000946
2	1	19	0.621703	1.000535	2	1	19	0.000588	0.000946
2	1	20	0.621703	1.000535	2	1	20	0.000588	0.000946
2	1	21	0.621703	1.000535	2	1	21	0.000588	0.000946
2	1	22	0.621703	1.000535	2	1	22	0.000588	0.000946
2	1	23	0.621703	1.000535	2	1	23	0.000588	0.000946
2	1	24	0.621703	1.000535	2	1	24	0.000588	0.000946
2	5	1	0.110395	0.177663	2	5	1	9.19E-05	0.000148
2	5	2	0.110395	0.177663	2	5	2	9.19E-05	0.000148
2	5	3	0.110395	0.177663	2	5	3	9.19E-05	0.000148
2	5	4	0.110395	0.177663	2	5	4	9.19E-05	0.000148
2	5	5	0.110395	0.177663	2	5	5	9.19E-05	0.000148
2	5	6	0.110395	0.177663	2	5	6	9.19E-05	0.000148

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	7	0.110395	0.177663	2	5	7	9.19E-05	0.000148
2	5	8	0.110395	0.177663	2	5	8	9.19E-05	0.000148
2	5	9	0.110395	0.177663	2	5	9	9.19E-05	0.000148
2	5	10	0.110395	0.177663	2	5	10	9.19E-05	0.000148
2	5	11	0.110395	0.177663	2	5	11	9.19E-05	0.000148
2	5	12	0.110395	0.177663	2	5	12	9.19E-05	0.000148
2	5	13	0.110395	0.177663	2	5	13	9.19E-05	0.000148
2	5	14	0.110395	0.177663	2	5	14	9.19E-05	0.000148
2	5	15	0.110395	0.177663	2	5	15	9.19E-05	0.000148
2	5	16	0.110395	0.177663	2	5	16	9.19E-05	0.000148
2	5	17	0.110395	0.177663	2	5	17	9.19E-05	0.000148
2	5	18	0.110395	0.177663	2	5	18	9.19E-05	0.000148
2	5	19	0.110395	0.177663	2	5	19	9.19E-05	0.000148
2	5	20	0.110395	0.177663	2	5	20	9.19E-05	0.000148
2	5	21	0.110395	0.177663	2	5	21	9.19E-05	0.000148
2	5	22	0.110395	0.177663	2	5	22	9.19E-05	0.000148
2	5	23	0.110395	0.177663	2	5	23	9.19E-05	0.000148
2	5	24	0.110395	0.177663	2	5	24	9.19E-05	0.000148
2	6	1	0.089373	0.143832	2	6	1	7.67E-05	0.000123
2	6	2	0.089373	0.143832	2	6	2	7.67E-05	0.000123
2	6	3	0.089373	0.143832	2	6	3	7.67E-05	0.000123
2	6	4	0.089373	0.143832	2	6	4	7.67E-05	0.000123
2	6	5	0.089373	0.143832	2	6	5	7.67E-05	0.000123
2	6	6	0.089373	0.143832	2	6	6	7.67E-05	0.000123
2	6	7	0.089373	0.143832	2	6	7	7.67E-05	0.000123
2	6	8	0.089373	0.143832	2	6	8	7.67E-05	0.000123
2	6	9	0.089373	0.143832	2	6	9	7.67E-05	0.000123
2	6	10	0.089373	0.143832	2	6	10	7.67E-05	0.000123
2	6	11	0.089373	0.143832	2	6	11	7.67E-05	0.000123
2	6	12	0.089373	0.143832	2	6	12	7.67E-05	0.000123
2	6	13	0.089373	0.143832	2	6	13	7.67E-05	0.000123
2	6	14	0.089373	0.143832	2	6	14	7.67E-05	0.000123
2	6	15	0.089373	0.143832	2	6	15	7.67E-05	0.000123
2	6	16	0.089373	0.143832	2	6	16	7.67E-05	0.000123
2	6	17	0.089373	0.143832	2	6	17	7.67E-05	0.000123
2	6	18	0.089373	0.143832	2	6	18	7.67E-05	0.000123
2	6	19	0.089373	0.143832	2	6	19	7.67E-05	0.000123
2	6	20	0.089373	0.143832	2	6	20	7.67E-05	0.000123
2	6	21	0.089373	0.143832	2	6	21	7.67E-05	0.000123
2	6	22	0.089373	0.143832	2	6	22	7.67E-05	0.000123
2	6	23	0.089373	0.143832	2	6	23	7.67E-05	0.000123
2	6	24	0.089373	0.143832	2	6	24	7.67E-05	0.000123
2	7	1	0.074166	0.119359	2	7	1	6.95E-05	0.000112
2	7	2	0.074166	0.119359	2	7	2	6.95E-05	0.000112
2	7	3	0.074166	0.119359	2	7	3	6.95E-05	0.000112
2	7	4	0.074166	0.119359	2	7	4	6.95E-05	0.000112
2	7	5	0.074166	0.119359	2	7	5	6.95E-05	0.000112
2	7	6	0.074166	0.119359	2	7	6	6.95E-05	0.000112
2	7	7	0.074166	0.119359	2	7	7	6.95E-05	0.000112
2	7	8	0.074166	0.119359	2	7	8	6.95E-05	0.000112
2	7	9	0.074166	0.119359	2	7	9	6.95E-05	0.000112
2	7	10	0.074166	0.119359	2	7	10	6.95E-05	0.000112
2	7	11	0.074166	0.119359	2	7	11	6.95E-05	0.000112
2	7	12	0.074166	0.119359	2	7	12	6.95E-05	0.000112

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	13	0.074166	0.119359	2	7	13	6.95E-05	0.000112
2	7	14	0.074166	0.119359	2	7	14	6.95E-05	0.000112
2	7	15	0.074166	0.119359	2	7	15	6.95E-05	0.000112
2	7	16	0.074166	0.119359	2	7	16	6.95E-05	0.000112
2	7	17	0.074166	0.119359	2	7	17	6.95E-05	0.000112
2	7	18	0.074166	0.119359	2	7	18	6.95E-05	0.000112
2	7	19	0.074166	0.119359	2	7	19	6.95E-05	0.000112
2	7	20	0.074166	0.119359	2	7	20	6.95E-05	0.000112
2	7	21	0.074166	0.119359	2	7	21	6.95E-05	0.000112
2	7	22	0.074166	0.119359	2	7	22	6.95E-05	0.000112
2	7	23	0.074166	0.119359	2	7	23	6.95E-05	0.000112
2	7	24	0.074166	0.119359	2	7	24	6.95E-05	0.000112
2	12	1	0.035138	0.056549	2	12	1	2.44E-05	3.93E-05
2	12	2	0.035138	0.056549	2	12	2	2.44E-05	3.93E-05
2	12	3	0.035138	0.056549	2	12	3	2.44E-05	3.93E-05
2	12	4	0.035138	0.056549	2	12	4	2.44E-05	3.93E-05
2	12	5	0.035138	0.056549	2	12	5	2.44E-05	3.93E-05
2	12	6	0.035138	0.056549	2	12	6	2.44E-05	3.93E-05
2	12	7	0.035138	0.056549	2	12	7	2.44E-05	3.93E-05
2	12	8	0.035138	0.056549	2	12	8	2.44E-05	3.93E-05
2	12	9	0.035138	0.056549	2	12	9	2.44E-05	3.93E-05
2	12	10	0.035138	0.056549	2	12	10	2.44E-05	3.93E-05
2	12	11	0.035138	0.056549	2	12	11	2.44E-05	3.93E-05
2	12	12	0.035138	0.056549	2	12	12	2.44E-05	3.93E-05
2	12	13	0.035138	0.056549	2	12	13	2.44E-05	3.93E-05
2	12	14	0.035138	0.056549	2	12	14	2.44E-05	3.93E-05
2	12	15	0.035138	0.056549	2	12	15	2.44E-05	3.93E-05
2	12	16	0.035138	0.056549	2	12	16	2.44E-05	3.93E-05
2	12	17	0.035138	0.056549	2	12	17	2.44E-05	3.93E-05
2	12	18	0.035138	0.056549	2	12	18	2.44E-05	3.93E-05
2	12	19	0.035138	0.056549	2	12	19	2.44E-05	3.93E-05
2	12	20	0.035138	0.056549	2	12	20	2.44E-05	3.93E-05
2	12	21	0.035138	0.056549	2	12	21	2.44E-05	3.93E-05
2	12	22	0.035138	0.056549	2	12	22	2.44E-05	3.93E-05
2	12	23	0.035138	0.056549	2	12	23	2.44E-05	3.93E-05
2	12	24	0.035138	0.056549	2	12	24	2.44E-05	3.93E-05
2	13	1	0.030524	0.049123	2	13	1	2.23E-05	3.59E-05
2	13	2	0.030524	0.049123	2	13	2	2.23E-05	3.59E-05
2	13	3	0.030524	0.049123	2	13	3	2.23E-05	3.59E-05
2	13	4	0.030524	0.049123	2	13	4	2.23E-05	3.59E-05
2	13	5	0.030524	0.049123	2	13	5	2.23E-05	3.59E-05
2	13	6	0.030524	0.049123	2	13	6	2.23E-05	3.59E-05
2	13	7	0.030524	0.049123	2	13	7	2.23E-05	3.59E-05
2	13	8	0.030524	0.049123	2	13	8	2.23E-05	3.59E-05
2	13	9	0.030524	0.049123	2	13	9	2.23E-05	3.59E-05
2	13	10	0.030524	0.049123	2	13	10	2.23E-05	3.59E-05
2	13	11	0.030524	0.049123	2	13	11	2.23E-05	3.59E-05
2	13	12	0.030524	0.049123	2	13	12	2.23E-05	3.59E-05
2	13	13	0.030524	0.049123	2	13	13	2.23E-05	3.59E-05
2	13	14	0.030524	0.049123	2	13	14	2.23E-05	3.59E-05
2	13	15	0.030524	0.049123	2	13	15	2.23E-05	3.59E-05
2	13	16	0.030524	0.049123	2	13	16	2.23E-05	3.59E-05
2	13	17	0.030524	0.049123	2	13	17	2.23E-05	3.59E-05
2	13	18	0.030524	0.049123	2	13	18	2.23E-05	3.59E-05

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	13	19	0.030524	0.049123	2	13	19	2.23E-05	3.59E-05
2	13	20	0.030524	0.049123	2	13	20	2.23E-05	3.59E-05
2	13	21	0.030524	0.049123	2	13	21	2.23E-05	3.59E-05
2	13	22	0.030524	0.049123	2	13	22	2.23E-05	3.59E-05
2	13	23	0.030524	0.049123	2	13	23	2.23E-05	3.59E-05
2	13	24	0.030524	0.049123	2	13	24	2.23E-05	3.59E-05
2	15	1	0.026156	0.042094	2	15	1	3.58E-05	5.76E-05
2	15	2	0.026156	0.042094	2	15	2	3.58E-05	5.76E-05
2	15	3	0.026156	0.042094	2	15	3	3.58E-05	5.76E-05
2	15	4	0.026156	0.042094	2	15	4	3.58E-05	5.76E-05
2	15	5	0.026156	0.042094	2	15	5	3.58E-05	5.76E-05
2	15	6	0.026156	0.042094	2	15	6	3.58E-05	5.76E-05
2	15	7	0.026156	0.042094	2	15	7	3.58E-05	5.76E-05
2	15	8	0.026156	0.042094	2	15	8	3.58E-05	5.76E-05
2	15	9	0.026156	0.042094	2	15	9	3.58E-05	5.76E-05
2	15	10	0.026156	0.042094	2	15	10	3.58E-05	5.76E-05
2	15	11	0.026156	0.042094	2	15	11	3.58E-05	5.76E-05
2	15	12	0.026156	0.042094	2	15	12	3.58E-05	5.76E-05
2	15	13	0.026156	0.042094	2	15	13	3.58E-05	5.76E-05
2	15	14	0.026156	0.042094	2	15	14	3.58E-05	5.76E-05
2	15	15	0.026156	0.042094	2	15	15	3.58E-05	5.76E-05
2	15	16	0.026156	0.042094	2	15	16	3.58E-05	5.76E-05
2	15	17	0.026156	0.042094	2	15	17	3.58E-05	5.76E-05
2	15	18	0.026156	0.042094	2	15	18	3.58E-05	5.76E-05
2	15	19	0.026156	0.042094	2	15	19	3.58E-05	5.76E-05
2	15	20	0.026156	0.042094	2	15	20	3.58E-05	5.76E-05
2	15	21	0.026156	0.042094	2	15	21	3.58E-05	5.76E-05
2	15	22	0.026156	0.042094	2	15	22	3.58E-05	5.76E-05
2	15	23	0.026156	0.042094	2	15	23	3.58E-05	5.76E-05
2	15	24	0.026156	0.042094	2	15	24	3.58E-05	5.76E-05
3	7	1	0.073391	0.118111	3	7	1	6.86E-05	0.00011
3	7	2	0.073391	0.118111	3	7	2	6.86E-05	0.00011
3	7	3	0.073391	0.118111	3	7	3	6.86E-05	0.00011
3	7	4	0.073391	0.118111	3	7	4	6.86E-05	0.00011
3	7	5	0.073391	0.118111	3	7	5	6.86E-05	0.00011
3	7	6	0.073391	0.118111	3	7	6	6.86E-05	0.00011
3	7	7	0.073391	0.118111	3	7	7	6.86E-05	0.00011
3	7	8	0.073391	0.118111	3	7	8	6.86E-05	0.00011
3	7	9	0.073391	0.118111	3	7	9	6.86E-05	0.00011
3	7	10	0.073391	0.118111	3	7	10	6.86E-05	0.00011
3	7	11	0.073391	0.118111	3	7	11	6.86E-05	0.00011
3	7	12	0.073391	0.118111	3	7	12	6.86E-05	0.00011
3	7	13	0.073391	0.118111	3	7	13	6.86E-05	0.00011
3	7	14	0.073391	0.118111	3	7	14	6.86E-05	0.00011
3	7	15	0.073391	0.118111	3	7	15	6.86E-05	0.00011
3	7	16	0.073391	0.118111	3	7	16	6.86E-05	0.00011
3	7	17	0.073391	0.118111	3	7	17	6.86E-05	0.00011
3	7	18	0.073391	0.118111	3	7	18	6.86E-05	0.00011
3	7	19	0.073391	0.118111	3	7	19	6.86E-05	0.00011
3	7	20	0.073391	0.118111	3	7	20	6.86E-05	0.00011
3	7	21	0.073391	0.118111	3	7	21	6.86E-05	0.00011
3	7	22	0.073391	0.118111	3	7	22	6.86E-05	0.00011
3	7	23	0.073391	0.118111	3	7	23	6.86E-05	0.00011
3	7	24	0.073391	0.118111	3	7	24	6.86E-05	0.00011

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	1	0.064596	0.103957	3	8	1	4.97E-05	8.01E-05
3	8	2	0.064596	0.103957	3	8	2	4.97E-05	8.01E-05
3	8	3	0.064596	0.103957	3	8	3	4.97E-05	8.01E-05
3	8	4	0.064596	0.103957	3	8	4	4.97E-05	8.01E-05
3	8	5	0.064596	0.103957	3	8	5	4.97E-05	8.01E-05
3	8	6	0.064596	0.103957	3	8	6	4.97E-05	8.01E-05
3	8	7	0.064596	0.103957	3	8	7	4.97E-05	8.01E-05
3	8	8	0.064596	0.103957	3	8	8	4.97E-05	8.01E-05
3	8	9	0.064596	0.103957	3	8	9	4.97E-05	8.01E-05
3	8	10	0.064596	0.103957	3	8	10	4.97E-05	8.01E-05
3	8	11	0.064596	0.103957	3	8	11	4.97E-05	8.01E-05
3	8	12	0.064596	0.103957	3	8	12	4.97E-05	8.01E-05
3	8	13	0.064596	0.103957	3	8	13	4.97E-05	8.01E-05
3	8	14	0.064596	0.103957	3	8	14	4.97E-05	8.01E-05
3	8	15	0.064596	0.103957	3	8	15	4.97E-05	8.01E-05
3	8	16	0.064596	0.103957	3	8	16	4.97E-05	8.01E-05
3	8	17	0.064596	0.103957	3	8	17	4.97E-05	8.01E-05
3	8	18	0.064596	0.103957	3	8	18	4.97E-05	8.01E-05
3	8	19	0.064596	0.103957	3	8	19	4.97E-05	8.01E-05
3	8	20	0.064596	0.103957	3	8	20	4.97E-05	8.01E-05
3	8	21	0.064596	0.103957	3	8	21	4.97E-05	8.01E-05
3	8	22	0.064596	0.103957	3	8	22	4.97E-05	8.01E-05
3	8	23	0.064596	0.103957	3	8	23	4.97E-05	8.01E-05
3	8	24	0.064596	0.103957	3	8	24	4.97E-05	8.01E-05
3	11	1	0.040797	0.065656	3	11	1	3.21E-05	5.16E-05
3	11	2	0.040797	0.065656	3	11	2	3.21E-05	5.16E-05
3	11	3	0.040797	0.065656	3	11	3	3.21E-05	5.16E-05
3	11	4	0.040797	0.065656	3	11	4	3.21E-05	5.16E-05
3	11	5	0.040797	0.065656	3	11	5	3.21E-05	5.16E-05
3	11	6	0.040797	0.065656	3	11	6	3.21E-05	5.16E-05
3	11	7	0.040797	0.065656	3	11	7	3.21E-05	5.16E-05
3	11	8	0.040797	0.065656	3	11	8	3.21E-05	5.16E-05
3	11	9	0.040797	0.065656	3	11	9	3.21E-05	5.16E-05
3	11	10	0.040797	0.065656	3	11	10	3.21E-05	5.16E-05
3	11	11	0.040797	0.065656	3	11	11	3.21E-05	5.16E-05
3	11	12	0.040797	0.065656	3	11	12	3.21E-05	5.16E-05
3	11	13	0.040797	0.065656	3	11	13	3.21E-05	5.16E-05
3	11	14	0.040797	0.065656	3	11	14	3.21E-05	5.16E-05
3	11	15	0.040797	0.065656	3	11	15	3.21E-05	5.16E-05
3	11	16	0.040797	0.065656	3	11	16	3.21E-05	5.16E-05
3	11	17	0.040797	0.065656	3	11	17	3.21E-05	5.16E-05
3	11	18	0.040797	0.065656	3	11	18	3.21E-05	5.16E-05
3	11	19	0.040797	0.065656	3	11	19	3.21E-05	5.16E-05
3	11	20	0.040797	0.065656	3	11	20	3.21E-05	5.16E-05
3	11	21	0.040797	0.065656	3	11	21	3.21E-05	5.16E-05
3	11	22	0.040797	0.065656	3	11	22	3.21E-05	5.16E-05
3	11	23	0.040797	0.065656	3	11	23	3.21E-05	5.16E-05
3	11	24	0.040797	0.065656	3	11	24	3.21E-05	5.16E-05
5	6	1	0.089059	0.143327	5	6	1	7.71E-05	0.000124
5	6	2	0.089059	0.143327	5	6	2	7.71E-05	0.000124
5	6	3	0.089059	0.143327	5	6	3	7.71E-05	0.000124
5	6	4	0.089059	0.143327	5	6	4	7.71E-05	0.000124
5	6	5	0.089059	0.143327	5	6	5	7.71E-05	0.000124
5	6	6	0.089059	0.143327	5	6	6	7.71E-05	0.000124

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	7	0.089059	0.143327	5	6	7	7.71E-05	0.000124
5	6	8	0.089059	0.143327	5	6	8	7.71E-05	0.000124
5	6	9	0.089059	0.143327	5	6	9	7.71E-05	0.000124
5	6	10	0.089059	0.143327	5	6	10	7.71E-05	0.000124
5	6	11	0.089059	0.143327	5	6	11	7.71E-05	0.000124
5	6	12	0.089059	0.143327	5	6	12	7.71E-05	0.000124
5	6	13	0.089059	0.143327	5	6	13	7.71E-05	0.000124
5	6	14	0.089059	0.143327	5	6	14	7.71E-05	0.000124
5	6	15	0.089059	0.143327	5	6	15	7.71E-05	0.000124
5	6	16	0.089059	0.143327	5	6	16	7.71E-05	0.000124
5	6	17	0.089059	0.143327	5	6	17	7.71E-05	0.000124
5	6	18	0.089059	0.143327	5	6	18	7.71E-05	0.000124
5	6	19	0.089059	0.143327	5	6	19	7.71E-05	0.000124
5	6	20	0.089059	0.143327	5	6	20	7.71E-05	0.000124
5	6	21	0.089059	0.143327	5	6	21	7.71E-05	0.000124
5	6	22	0.089059	0.143327	5	6	22	7.71E-05	0.000124
5	6	23	0.089059	0.143327	5	6	23	7.71E-05	0.000124
5	6	24	0.089059	0.143327	5	6	24	7.71E-05	0.000124
5	8	1	0.064596	0.103957	5	8	1	4.97E-05	8.01E-05
5	8	2	0.064596	0.103957	5	8	2	4.97E-05	8.01E-05
5	8	3	0.064596	0.103957	5	8	3	4.97E-05	8.01E-05
5	8	4	0.064596	0.103957	5	8	4	4.97E-05	8.01E-05
5	8	5	0.064596	0.103957	5	8	5	4.97E-05	8.01E-05
5	8	6	0.064596	0.103957	5	8	6	4.97E-05	8.01E-05
5	8	7	0.064596	0.103957	5	8	7	4.97E-05	8.01E-05
5	8	8	0.064596	0.103957	5	8	8	4.97E-05	8.01E-05
5	8	9	0.064596	0.103957	5	8	9	4.97E-05	8.01E-05
5	8	10	0.064596	0.103957	5	8	10	4.97E-05	8.01E-05
5	8	11	0.064596	0.103957	5	8	11	4.97E-05	8.01E-05
5	8	12	0.064596	0.103957	5	8	12	4.97E-05	8.01E-05
5	8	13	0.064596	0.103957	5	8	13	4.97E-05	8.01E-05
5	8	14	0.064596	0.103957	5	8	14	4.97E-05	8.01E-05
5	8	15	0.064596	0.103957	5	8	15	4.97E-05	8.01E-05
5	8	16	0.064596	0.103957	5	8	16	4.97E-05	8.01E-05
5	8	17	0.064596	0.103957	5	8	17	4.97E-05	8.01E-05
5	8	18	0.064596	0.103957	5	8	18	4.97E-05	8.01E-05
5	8	19	0.064596	0.103957	5	8	19	4.97E-05	8.01E-05
5	8	20	0.064596	0.103957	5	8	20	4.97E-05	8.01E-05
5	8	21	0.064596	0.103957	5	8	21	4.97E-05	8.01E-05
5	8	22	0.064596	0.103957	5	8	22	4.97E-05	8.01E-05
5	8	23	0.064596	0.103957	5	8	23	4.97E-05	8.01E-05
5	8	24	0.064596	0.103957	5	8	24	4.97E-05	8.01E-05
5	11	1	0.040797	0.065656	5	11	1	3.21E-05	5.16E-05
5	11	2	0.040797	0.065656	5	11	2	3.21E-05	5.16E-05
5	11	3	0.040797	0.065656	5	11	3	3.21E-05	5.16E-05
5	11	4	0.040797	0.065656	5	11	4	3.21E-05	5.16E-05
5	11	5	0.040797	0.065656	5	11	5	3.21E-05	5.16E-05
5	11	6	0.040797	0.065656	5	11	6	3.21E-05	5.16E-05
5	11	7	0.040797	0.065656	5	11	7	3.21E-05	5.16E-05
5	11	8	0.040797	0.065656	5	11	8	3.21E-05	5.16E-05
5	11	9	0.040797	0.065656	5	11	9	3.21E-05	5.16E-05
5	11	10	0.040797	0.065656	5	11	10	3.21E-05	5.16E-05
5	11	11	0.040797	0.065656	5	11	11	3.21E-05	5.16E-05
5	11	12	0.040797	0.065656	5	11	12	3.21E-05	5.16E-05

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	26	Acetaldehyde			PollutantID	27	Acrolein		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	13	0.040797	0.065656	5	11	13	3.21E-05	5.16E-05
5	11	14	0.040797	0.065656	5	11	14	3.21E-05	5.16E-05
5	11	15	0.040797	0.065656	5	11	15	3.21E-05	5.16E-05
5	11	16	0.040797	0.065656	5	11	16	3.21E-05	5.16E-05
5	11	17	0.040797	0.065656	5	11	17	3.21E-05	5.16E-05
5	11	18	0.040797	0.065656	5	11	18	3.21E-05	5.16E-05
5	11	19	0.040797	0.065656	5	11	19	3.21E-05	5.16E-05
5	11	20	0.040797	0.065656	5	11	20	3.21E-05	5.16E-05
5	11	21	0.040797	0.065656	5	11	21	3.21E-05	5.16E-05
5	11	22	0.040797	0.065656	5	11	22	3.21E-05	5.16E-05
5	11	23	0.040797	0.065656	5	11	23	3.21E-05	5.16E-05
5	11	24	0.040797	0.065656	5	11	24	3.21E-05	5.16E-05
5	7	1	0.073391	0.118111	5	7	1	6.86E-05	0.00011
5	7	2	0.073391	0.118111	5	7	2	6.86E-05	0.00011
5	7	3	0.073391	0.118111	5	7	3	6.86E-05	0.00011
5	7	4	0.073391	0.118111	5	7	4	6.86E-05	0.00011
5	7	5	0.073391	0.118111	5	7	5	6.86E-05	0.00011
5	7	6	0.073391	0.118111	5	7	6	6.86E-05	0.00011
5	7	7	0.073391	0.118111	5	7	7	6.86E-05	0.00011
5	7	8	0.073391	0.118111	5	7	8	6.86E-05	0.00011
5	7	9	0.073391	0.118111	5	7	9	6.86E-05	0.00011
5	7	10	0.073391	0.118111	5	7	10	6.86E-05	0.00011
5	7	11	0.073391	0.118111	5	7	11	6.86E-05	0.00011
5	7	12	0.073391	0.118111	5	7	12	6.86E-05	0.00011
5	7	13	0.073391	0.118111	5	7	13	6.86E-05	0.00011
5	7	14	0.073391	0.118111	5	7	14	6.86E-05	0.00011
5	7	15	0.073391	0.118111	5	7	15	6.86E-05	0.00011
5	7	16	0.073391	0.118111	5	7	16	6.86E-05	0.00011
5	7	17	0.073391	0.118111	5	7	17	6.86E-05	0.00011
5	7	18	0.073391	0.118111	5	7	18	6.86E-05	0.00011
5	7	19	0.073391	0.118111	5	7	19	6.86E-05	0.00011
5	7	20	0.073391	0.118111	5	7	20	6.86E-05	0.00011
5	7	21	0.073391	0.118111	5	7	21	6.86E-05	0.00011
5	7	22	0.073391	0.118111	5	7	22	6.86E-05	0.00011
5	7	23	0.073391	0.118111	5	7	23	6.86E-05	0.00011
5	7	24	0.073391	0.118111	5	7	24	6.86E-05	0.00011

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	0.05641579	0.090792	1	0	1	2.5E-06	4.08E-06
1	0	2	0.05641579	0.090792	1	0	2	2.5E-06	4.08E-06
1	0	3	0.05641579	0.090792	1	0	3	2.5E-06	4.08E-06
1	0	4	0.05641579	0.090792	1	0	4	2.5E-06	4.08E-06
1	0	5	0.05641579	0.090792	1	0	5	2.5E-06	4.08E-06
1	0	6	0.05641579	0.090792	1	0	6	2.5E-06	4.08E-06
1	0	7	0.05641579	0.090792	1	0	7	2.5E-06	4.08E-06
1	0	8	0.05641579	0.090792	1	0	8	2.5E-06	4.08E-06
1	0	9	0.05641579	0.090792	1	0	9	2.5E-06	4.08E-06
1	0	10	0.05641579	0.090792	1	0	10	2.5E-06	4.08E-06
1	0	11	0.05641579	0.090792	1	0	11	2.5E-06	4.08E-06
1	0	12	0.05641579	0.090792	1	0	12	2.5E-06	4.08E-06
1	0	13	0.05641579	0.090792	1	0	13	2.5E-06	4.08E-06
1	0	14	0.05641579	0.090792	1	0	14	2.5E-06	4.08E-06
1	0	15	0.05641579	0.090792	1	0	15	2.5E-06	4.08E-06
1	0	16	0.05641579	0.090792	1	0	16	2.5E-06	4.08E-06
1	0	17	0.05641579	0.090792	1	0	17	2.5E-06	4.08E-06
1	0	18	0.05641579	0.090792	1	0	18	2.5E-06	4.08E-06
1	0	19	0.05641579	0.090792	1	0	19	2.5E-06	4.08E-06
1	0	20	0.05641579	0.090792	1	0	20	2.5E-06	4.08E-06
1	0	21	0.05641579	0.090792	1	0	21	2.5E-06	4.08E-06
1	0	22	0.05641579	0.090792	1	0	22	2.5E-06	4.08E-06
1	0	23	0.05641579	0.090792	1	0	23	2.5E-06	4.08E-06
1	0	24	0.05641579	0.090792	1	0	24	2.5E-06	4.08E-06
2	1	1	0.03721058	0.059885	2	1	1	2.8E-06	4.55E-06
2	1	2	0.03721058	0.059885	2	1	2	2.8E-06	4.55E-06
2	1	3	0.03721058	0.059885	2	1	3	2.8E-06	4.55E-06
2	1	4	0.03721058	0.059885	2	1	4	2.8E-06	4.55E-06
2	1	5	0.03721058	0.059885	2	1	5	2.8E-06	4.55E-06
2	1	6	0.03721058	0.059885	2	1	6	2.8E-06	4.55E-06
2	1	7	0.03721058	0.059885	2	1	7	2.8E-06	4.55E-06
2	1	8	0.03721058	0.059885	2	1	8	2.8E-06	4.55E-06
2	1	9	0.03721058	0.059885	2	1	9	2.8E-06	4.55E-06
2	1	10	0.03721058	0.059885	2	1	10	2.8E-06	4.55E-06
2	1	11	0.03721058	0.059885	2	1	11	2.8E-06	4.55E-06
2	1	12	0.03721058	0.059885	2	1	12	2.8E-06	4.55E-06
2	1	13	0.03721058	0.059885	2	1	13	2.8E-06	4.55E-06
2	1	14	0.03721058	0.059885	2	1	14	2.8E-06	4.55E-06
2	1	15	0.03721058	0.059885	2	1	15	2.8E-06	4.55E-06
2	1	16	0.03721058	0.059885	2	1	16	2.8E-06	4.55E-06
2	1	17	0.03721058	0.059885	2	1	17	2.8E-06	4.55E-06
2	1	18	0.03721058	0.059885	2	1	18	2.8E-06	4.55E-06
2	1	19	0.03721058	0.059885	2	1	19	2.8E-06	4.55E-06
2	1	20	0.03721058	0.059885	2	1	20	2.8E-06	4.55E-06
2	1	21	0.03721058	0.059885	2	1	21	2.8E-06	4.55E-06
2	1	22	0.03721058	0.059885	2	1	22	2.8E-06	4.55E-06
2	1	23	0.03721058	0.059885	2	1	23	2.8E-06	4.55E-06
2	1	24	0.03721058	0.059885	2	1	24	2.8E-06	4.55E-06
2	5	1	0.00996897	0.016043	2	5	1	8.5E-07	1.36E-06
2	5	2	0.00996897	0.016043	2	5	2	8.5E-07	1.36E-06
2	5	3	0.00996897	0.016043	2	5	3	8.5E-07	1.36E-06
2	5	4	0.00996897	0.016043	2	5	4	8.5E-07	1.36E-06
2	5	5	0.00996897	0.016043	2	5	5	8.5E-07	1.36E-06
2	5	6	0.00996897	0.016043	2	5	6	8.5E-07	1.36E-06

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	7	0.00996897	0.016043	2	5	7	8.5E-07	1.36E-06
2	5	8	0.00996897	0.016043	2	5	8	8.5E-07	1.36E-06
2	5	9	0.00996897	0.016043	2	5	9	8.5E-07	1.36E-06
2	5	10	0.00996897	0.016043	2	5	10	8.5E-07	1.36E-06
2	5	11	0.00996897	0.016043	2	5	11	8.5E-07	1.36E-06
2	5	12	0.00996897	0.016043	2	5	12	8.5E-07	1.36E-06
2	5	13	0.00996897	0.016043	2	5	13	8.5E-07	1.36E-06
2	5	14	0.00996897	0.016043	2	5	14	8.5E-07	1.36E-06
2	5	15	0.00996897	0.016043	2	5	15	8.5E-07	1.36E-06
2	5	16	0.00996897	0.016043	2	5	16	8.5E-07	1.36E-06
2	5	17	0.00996897	0.016043	2	5	17	8.5E-07	1.36E-06
2	5	18	0.00996897	0.016043	2	5	18	8.5E-07	1.36E-06
2	5	19	0.00996897	0.016043	2	5	19	8.5E-07	1.36E-06
2	5	20	0.00996897	0.016043	2	5	20	8.5E-07	1.36E-06
2	5	21	0.00996897	0.016043	2	5	21	8.5E-07	1.36E-06
2	5	22	0.00996897	0.016043	2	5	22	8.5E-07	1.36E-06
2	5	23	0.00996897	0.016043	2	5	23	8.5E-07	1.36E-06
2	5	24	0.00996897	0.016043	2	5	24	8.5E-07	1.36E-06
2	6	1	0.0089456	0.014397	2	6	1	7.6E-07	1.22E-06
2	6	2	0.0089456	0.014397	2	6	2	7.6E-07	1.22E-06
2	6	3	0.0089456	0.014397	2	6	3	7.6E-07	1.22E-06
2	6	4	0.0089456	0.014397	2	6	4	7.6E-07	1.22E-06
2	6	5	0.0089456	0.014397	2	6	5	7.6E-07	1.22E-06
2	6	6	0.0089456	0.014397	2	6	6	7.6E-07	1.22E-06
2	6	7	0.0089456	0.014397	2	6	7	7.6E-07	1.22E-06
2	6	8	0.0089456	0.014397	2	6	8	7.6E-07	1.22E-06
2	6	9	0.0089456	0.014397	2	6	9	7.6E-07	1.22E-06
2	6	10	0.0089456	0.014397	2	6	10	7.6E-07	1.22E-06
2	6	11	0.0089456	0.014397	2	6	11	7.6E-07	1.22E-06
2	6	12	0.0089456	0.014397	2	6	12	7.6E-07	1.22E-06
2	6	13	0.0089456	0.014397	2	6	13	7.6E-07	1.22E-06
2	6	14	0.0089456	0.014397	2	6	14	7.6E-07	1.22E-06
2	6	15	0.0089456	0.014397	2	6	15	7.6E-07	1.22E-06
2	6	16	0.0089456	0.014397	2	6	16	7.6E-07	1.22E-06
2	6	17	0.0089456	0.014397	2	6	17	7.6E-07	1.22E-06
2	6	18	0.0089456	0.014397	2	6	18	7.6E-07	1.22E-06
2	6	19	0.0089456	0.014397	2	6	19	7.6E-07	1.22E-06
2	6	20	0.0089456	0.014397	2	6	20	7.6E-07	1.22E-06
2	6	21	0.0089456	0.014397	2	6	21	7.6E-07	1.22E-06
2	6	22	0.0089456	0.014397	2	6	22	7.6E-07	1.22E-06
2	6	23	0.0089456	0.014397	2	6	23	7.6E-07	1.22E-06
2	6	24	0.0089456	0.014397	2	6	24	7.6E-07	1.22E-06
2	7	1	0.0086605	0.013938	2	7	1	7.5E-07	1.2E-06
2	7	2	0.0086605	0.013938	2	7	2	7.5E-07	1.2E-06
2	7	3	0.0086605	0.013938	2	7	3	7.5E-07	1.2E-06
2	7	4	0.0086605	0.013938	2	7	4	7.5E-07	1.2E-06
2	7	5	0.0086605	0.013938	2	7	5	7.5E-07	1.2E-06
2	7	6	0.0086605	0.013938	2	7	6	7.5E-07	1.2E-06
2	7	7	0.0086605	0.013938	2	7	7	7.5E-07	1.2E-06
2	7	8	0.0086605	0.013938	2	7	8	7.5E-07	1.2E-06
2	7	9	0.0086605	0.013938	2	7	9	7.5E-07	1.2E-06
2	7	10	0.0086605	0.013938	2	7	10	7.5E-07	1.2E-06
2	7	11	0.0086605	0.013938	2	7	11	7.5E-07	1.2E-06
2	7	12	0.0086605	0.013938	2	7	12	7.5E-07	1.2E-06

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	13	0.0086605	0.013938	2	7	13	7.5E-07	1.2E-06
2	7	14	0.0086605	0.013938	2	7	14	7.5E-07	1.2E-06
2	7	15	0.0086605	0.013938	2	7	15	7.5E-07	1.2E-06
2	7	16	0.0086605	0.013938	2	7	16	7.5E-07	1.2E-06
2	7	17	0.0086605	0.013938	2	7	17	7.5E-07	1.2E-06
2	7	18	0.0086605	0.013938	2	7	18	7.5E-07	1.2E-06
2	7	19	0.0086605	0.013938	2	7	19	7.5E-07	1.2E-06
2	7	20	0.0086605	0.013938	2	7	20	7.5E-07	1.2E-06
2	7	21	0.0086605	0.013938	2	7	21	7.5E-07	1.2E-06
2	7	22	0.0086605	0.013938	2	7	22	7.5E-07	1.2E-06
2	7	23	0.0086605	0.013938	2	7	23	7.5E-07	1.2E-06
2	7	24	0.0086605	0.013938	2	7	24	7.5E-07	1.2E-06
2	12	1	0.00683842	0.011005	2	12	1	6.1E-07	9.89E-07
2	12	2	0.00683842	0.011005	2	12	2	6.1E-07	9.89E-07
2	12	3	0.00683842	0.011005	2	12	3	6.1E-07	9.89E-07
2	12	4	0.00683842	0.011005	2	12	4	6.1E-07	9.89E-07
2	12	5	0.00683842	0.011005	2	12	5	6.1E-07	9.89E-07
2	12	6	0.00683842	0.011005	2	12	6	6.1E-07	9.89E-07
2	12	7	0.00683842	0.011005	2	12	7	6.1E-07	9.89E-07
2	12	8	0.00683842	0.011005	2	12	8	6.1E-07	9.89E-07
2	12	9	0.00683842	0.011005	2	12	9	6.1E-07	9.89E-07
2	12	10	0.00683842	0.011005	2	12	10	6.1E-07	9.89E-07
2	12	11	0.00683842	0.011005	2	12	11	6.1E-07	9.89E-07
2	12	12	0.00683842	0.011005	2	12	12	6.1E-07	9.89E-07
2	12	13	0.00683842	0.011005	2	12	13	6.1E-07	9.89E-07
2	12	14	0.00683842	0.011005	2	12	14	6.1E-07	9.89E-07
2	12	15	0.00683842	0.011005	2	12	15	6.1E-07	9.89E-07
2	12	16	0.00683842	0.011005	2	12	16	6.1E-07	9.89E-07
2	12	17	0.00683842	0.011005	2	12	17	6.1E-07	9.89E-07
2	12	18	0.00683842	0.011005	2	12	18	6.1E-07	9.89E-07
2	12	19	0.00683842	0.011005	2	12	19	6.1E-07	9.89E-07
2	12	20	0.00683842	0.011005	2	12	20	6.1E-07	9.89E-07
2	12	21	0.00683842	0.011005	2	12	21	6.1E-07	9.89E-07
2	12	22	0.00683842	0.011005	2	12	22	6.1E-07	9.89E-07
2	12	23	0.00683842	0.011005	2	12	23	6.1E-07	9.89E-07
2	12	24	0.00683842	0.011005	2	12	24	6.1E-07	9.89E-07
2	13	1	0.00683829	0.011005	2	13	1	6E-07	9.71E-07
2	13	2	0.00683829	0.011005	2	13	2	6E-07	9.71E-07
2	13	3	0.00683829	0.011005	2	13	3	6E-07	9.71E-07
2	13	4	0.00683829	0.011005	2	13	4	6E-07	9.71E-07
2	13	5	0.00683829	0.011005	2	13	5	6E-07	9.71E-07
2	13	6	0.00683829	0.011005	2	13	6	6E-07	9.71E-07
2	13	7	0.00683829	0.011005	2	13	7	6E-07	9.71E-07
2	13	8	0.00683829	0.011005	2	13	8	6E-07	9.71E-07
2	13	9	0.00683829	0.011005	2	13	9	6E-07	9.71E-07
2	13	10	0.00683829	0.011005	2	13	10	6E-07	9.71E-07
2	13	11	0.00683829	0.011005	2	13	11	6E-07	9.71E-07
2	13	12	0.00683829	0.011005	2	13	12	6E-07	9.71E-07
2	13	13	0.00683829	0.011005	2	13	13	6E-07	9.71E-07
2	13	14	0.00683829	0.011005	2	13	14	6E-07	9.71E-07
2	13	15	0.00683829	0.011005	2	13	15	6E-07	9.71E-07
2	13	16	0.00683829	0.011005	2	13	16	6E-07	9.71E-07
2	13	17	0.00683829	0.011005	2	13	17	6E-07	9.71E-07
2	13	18	0.00683829	0.011005	2	13	18	6E-07	9.71E-07

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	13	19	0.00683829	0.011005	2	13	19	6E-07	9.71E-07
2	13	20	0.00683829	0.011005	2	13	20	6E-07	9.71E-07
2	13	21	0.00683829	0.011005	2	13	21	6E-07	9.71E-07
2	13	22	0.00683829	0.011005	2	13	22	6E-07	9.71E-07
2	13	23	0.00683829	0.011005	2	13	23	6E-07	9.71E-07
2	13	24	0.00683829	0.011005	2	13	24	6E-07	9.71E-07
2	15	1	0.00744829	0.011987	2	15	1	5.2E-07	8.36E-07
2	15	2	0.00744829	0.011987	2	15	2	5.2E-07	8.36E-07
2	15	3	0.00744829	0.011987	2	15	3	5.2E-07	8.36E-07
2	15	4	0.00744829	0.011987	2	15	4	5.2E-07	8.36E-07
2	15	5	0.00744829	0.011987	2	15	5	5.2E-07	8.36E-07
2	15	6	0.00744829	0.011987	2	15	6	5.2E-07	8.36E-07
2	15	7	0.00744829	0.011987	2	15	7	5.2E-07	8.36E-07
2	15	8	0.00744829	0.011987	2	15	8	5.2E-07	8.36E-07
2	15	9	0.00744829	0.011987	2	15	9	5.2E-07	8.36E-07
2	15	10	0.00744829	0.011987	2	15	10	5.2E-07	8.36E-07
2	15	11	0.00744829	0.011987	2	15	11	5.2E-07	8.36E-07
2	15	12	0.00744829	0.011987	2	15	12	5.2E-07	8.36E-07
2	15	13	0.00744829	0.011987	2	15	13	5.2E-07	8.36E-07
2	15	14	0.00744829	0.011987	2	15	14	5.2E-07	8.36E-07
2	15	15	0.00744829	0.011987	2	15	15	5.2E-07	8.36E-07
2	15	16	0.00744829	0.011987	2	15	16	5.2E-07	8.36E-07
2	15	17	0.00744829	0.011987	2	15	17	5.2E-07	8.36E-07
2	15	18	0.00744829	0.011987	2	15	18	5.2E-07	8.36E-07
2	15	19	0.00744829	0.011987	2	15	19	5.2E-07	8.36E-07
2	15	20	0.00744829	0.011987	2	15	20	5.2E-07	8.36E-07
2	15	21	0.00744829	0.011987	2	15	21	5.2E-07	8.36E-07
2	15	22	0.00744829	0.011987	2	15	22	5.2E-07	8.36E-07
2	15	23	0.00744829	0.011987	2	15	23	5.2E-07	8.36E-07
2	15	24	0.00744829	0.011987	2	15	24	5.2E-07	8.36E-07
3	7	1	0.00870601	0.014011	3	7	1	7.5E-07	1.2E-06
3	7	2	0.00870601	0.014011	3	7	2	7.5E-07	1.2E-06
3	7	3	0.00870601	0.014011	3	7	3	7.5E-07	1.2E-06
3	7	4	0.00870601	0.014011	3	7	4	7.5E-07	1.2E-06
3	7	5	0.00870601	0.014011	3	7	5	7.5E-07	1.2E-06
3	7	6	0.00870601	0.014011	3	7	6	7.5E-07	1.2E-06
3	7	7	0.00870601	0.014011	3	7	7	7.5E-07	1.2E-06
3	7	8	0.00870601	0.014011	3	7	8	7.5E-07	1.2E-06
3	7	9	0.00870601	0.014011	3	7	9	7.5E-07	1.2E-06
3	7	10	0.00870601	0.014011	3	7	10	7.5E-07	1.2E-06
3	7	11	0.00870601	0.014011	3	7	11	7.5E-07	1.2E-06
3	7	12	0.00870601	0.014011	3	7	12	7.5E-07	1.2E-06
3	7	13	0.00870601	0.014011	3	7	13	7.5E-07	1.2E-06
3	7	14	0.00870601	0.014011	3	7	14	7.5E-07	1.2E-06
3	7	15	0.00870601	0.014011	3	7	15	7.5E-07	1.2E-06
3	7	16	0.00870601	0.014011	3	7	16	7.5E-07	1.2E-06
3	7	17	0.00870601	0.014011	3	7	17	7.5E-07	1.2E-06
3	7	18	0.00870601	0.014011	3	7	18	7.5E-07	1.2E-06
3	7	19	0.00870601	0.014011	3	7	19	7.5E-07	1.2E-06
3	7	20	0.00870601	0.014011	3	7	20	7.5E-07	1.2E-06
3	7	21	0.00870601	0.014011	3	7	21	7.5E-07	1.2E-06
3	7	22	0.00870601	0.014011	3	7	22	7.5E-07	1.2E-06
3	7	23	0.00870601	0.014011	3	7	23	7.5E-07	1.2E-06
3	7	24	0.00870601	0.014011	3	7	24	7.5E-07	1.2E-06

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	1	0.00773666	0.012451	3	8	1	6.8E-07	1.09E-06
3	8	2	0.00773666	0.012451	3	8	2	6.8E-07	1.09E-06
3	8	3	0.00773666	0.012451	3	8	3	6.8E-07	1.09E-06
3	8	4	0.00773666	0.012451	3	8	4	6.8E-07	1.09E-06
3	8	5	0.00773666	0.012451	3	8	5	6.8E-07	1.09E-06
3	8	6	0.00773666	0.012451	3	8	6	6.8E-07	1.09E-06
3	8	7	0.00773666	0.012451	3	8	7	6.8E-07	1.09E-06
3	8	8	0.00773666	0.012451	3	8	8	6.8E-07	1.09E-06
3	8	9	0.00773666	0.012451	3	8	9	6.8E-07	1.09E-06
3	8	10	0.00773666	0.012451	3	8	10	6.8E-07	1.09E-06
3	8	11	0.00773666	0.012451	3	8	11	6.8E-07	1.09E-06
3	8	12	0.00773666	0.012451	3	8	12	6.8E-07	1.09E-06
3	8	13	0.00773666	0.012451	3	8	13	6.8E-07	1.09E-06
3	8	14	0.00773666	0.012451	3	8	14	6.8E-07	1.09E-06
3	8	15	0.00773666	0.012451	3	8	15	6.8E-07	1.09E-06
3	8	16	0.00773666	0.012451	3	8	16	6.8E-07	1.09E-06
3	8	17	0.00773666	0.012451	3	8	17	6.8E-07	1.09E-06
3	8	18	0.00773666	0.012451	3	8	18	6.8E-07	1.09E-06
3	8	19	0.00773666	0.012451	3	8	19	6.8E-07	1.09E-06
3	8	20	0.00773666	0.012451	3	8	20	6.8E-07	1.09E-06
3	8	21	0.00773666	0.012451	3	8	21	6.8E-07	1.09E-06
3	8	22	0.00773666	0.012451	3	8	22	6.8E-07	1.09E-06
3	8	23	0.00773666	0.012451	3	8	23	6.8E-07	1.09E-06
3	8	24	0.00773666	0.012451	3	8	24	6.8E-07	1.09E-06
3	11	1	0.00710143	0.011429	3	11	1	6.3E-07	1.01E-06
3	11	2	0.00710143	0.011429	3	11	2	6.3E-07	1.01E-06
3	11	3	0.00710143	0.011429	3	11	3	6.3E-07	1.01E-06
3	11	4	0.00710143	0.011429	3	11	4	6.3E-07	1.01E-06
3	11	5	0.00710143	0.011429	3	11	5	6.3E-07	1.01E-06
3	11	6	0.00710143	0.011429	3	11	6	6.3E-07	1.01E-06
3	11	7	0.00710143	0.011429	3	11	7	6.3E-07	1.01E-06
3	11	8	0.00710143	0.011429	3	11	8	6.3E-07	1.01E-06
3	11	9	0.00710143	0.011429	3	11	9	6.3E-07	1.01E-06
3	11	10	0.00710143	0.011429	3	11	10	6.3E-07	1.01E-06
3	11	11	0.00710143	0.011429	3	11	11	6.3E-07	1.01E-06
3	11	12	0.00710143	0.011429	3	11	12	6.3E-07	1.01E-06
3	11	13	0.00710143	0.011429	3	11	13	6.3E-07	1.01E-06
3	11	14	0.00710143	0.011429	3	11	14	6.3E-07	1.01E-06
3	11	15	0.00710143	0.011429	3	11	15	6.3E-07	1.01E-06
3	11	16	0.00710143	0.011429	3	11	16	6.3E-07	1.01E-06
3	11	17	0.00710143	0.011429	3	11	17	6.3E-07	1.01E-06
3	11	18	0.00710143	0.011429	3	11	18	6.3E-07	1.01E-06
3	11	19	0.00710143	0.011429	3	11	19	6.3E-07	1.01E-06
3	11	20	0.00710143	0.011429	3	11	20	6.3E-07	1.01E-06
3	11	21	0.00710143	0.011429	3	11	21	6.3E-07	1.01E-06
3	11	22	0.00710143	0.011429	3	11	22	6.3E-07	1.01E-06
3	11	23	0.00710143	0.011429	3	11	23	6.3E-07	1.01E-06
3	11	24	0.00710143	0.011429	3	11	24	6.3E-07	1.01E-06
5	6	1	0.00909261	0.014633	5	6	1	7.9E-07	1.26E-06
5	6	2	0.00909261	0.014633	5	6	2	7.9E-07	1.26E-06
5	6	3	0.00909261	0.014633	5	6	3	7.9E-07	1.26E-06
5	6	4	0.00909261	0.014633	5	6	4	7.9E-07	1.26E-06
5	6	5	0.00909261	0.014633	5	6	5	7.9E-07	1.26E-06
5	6	6	0.00909261	0.014633	5	6	6	7.9E-07	1.26E-06

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	7	0.00909261	0.014633	5	6	7	7.9E-07	1.26E-06
5	6	8	0.00909261	0.014633	5	6	8	7.9E-07	1.26E-06
5	6	9	0.00909261	0.014633	5	6	9	7.9E-07	1.26E-06
5	6	10	0.00909261	0.014633	5	6	10	7.9E-07	1.26E-06
5	6	11	0.00909261	0.014633	5	6	11	7.9E-07	1.26E-06
5	6	12	0.00909261	0.014633	5	6	12	7.9E-07	1.26E-06
5	6	13	0.00909261	0.014633	5	6	13	7.9E-07	1.26E-06
5	6	14	0.00909261	0.014633	5	6	14	7.9E-07	1.26E-06
5	6	15	0.00909261	0.014633	5	6	15	7.9E-07	1.26E-06
5	6	16	0.00909261	0.014633	5	6	16	7.9E-07	1.26E-06
5	6	17	0.00909261	0.014633	5	6	17	7.9E-07	1.26E-06
5	6	18	0.00909261	0.014633	5	6	18	7.9E-07	1.26E-06
5	6	19	0.00909261	0.014633	5	6	19	7.9E-07	1.26E-06
5	6	20	0.00909261	0.014633	5	6	20	7.9E-07	1.26E-06
5	6	21	0.00909261	0.014633	5	6	21	7.9E-07	1.26E-06
5	6	22	0.00909261	0.014633	5	6	22	7.9E-07	1.26E-06
5	6	23	0.00909261	0.014633	5	6	23	7.9E-07	1.26E-06
5	6	24	0.00909261	0.014633	5	6	24	7.9E-07	1.26E-06
5	8	1	0.00773666	0.012451	5	8	1	6.8E-07	1.09E-06
5	8	2	0.00773666	0.012451	5	8	2	6.8E-07	1.09E-06
5	8	3	0.00773666	0.012451	5	8	3	6.8E-07	1.09E-06
5	8	4	0.00773666	0.012451	5	8	4	6.8E-07	1.09E-06
5	8	5	0.00773666	0.012451	5	8	5	6.8E-07	1.09E-06
5	8	6	0.00773666	0.012451	5	8	6	6.8E-07	1.09E-06
5	8	7	0.00773666	0.012451	5	8	7	6.8E-07	1.09E-06
5	8	8	0.00773666	0.012451	5	8	8	6.8E-07	1.09E-06
5	8	9	0.00773666	0.012451	5	8	9	6.8E-07	1.09E-06
5	8	10	0.00773666	0.012451	5	8	10	6.8E-07	1.09E-06
5	8	11	0.00773666	0.012451	5	8	11	6.8E-07	1.09E-06
5	8	12	0.00773666	0.012451	5	8	12	6.8E-07	1.09E-06
5	8	13	0.00773666	0.012451	5	8	13	6.8E-07	1.09E-06
5	8	14	0.00773666	0.012451	5	8	14	6.8E-07	1.09E-06
5	8	15	0.00773666	0.012451	5	8	15	6.8E-07	1.09E-06
5	8	16	0.00773666	0.012451	5	8	16	6.8E-07	1.09E-06
5	8	17	0.00773666	0.012451	5	8	17	6.8E-07	1.09E-06
5	8	18	0.00773666	0.012451	5	8	18	6.8E-07	1.09E-06
5	8	19	0.00773666	0.012451	5	8	19	6.8E-07	1.09E-06
5	8	20	0.00773666	0.012451	5	8	20	6.8E-07	1.09E-06
5	8	21	0.00773666	0.012451	5	8	21	6.8E-07	1.09E-06
5	8	22	0.00773666	0.012451	5	8	22	6.8E-07	1.09E-06
5	8	23	0.00773666	0.012451	5	8	23	6.8E-07	1.09E-06
5	8	24	0.00773666	0.012451	5	8	24	6.8E-07	1.09E-06
5	11	1	0.00710143	0.011429	5	11	1	6.3E-07	1.01E-06
5	11	2	0.00710143	0.011429	5	11	2	6.3E-07	1.01E-06
5	11	3	0.00710143	0.011429	5	11	3	6.3E-07	1.01E-06
5	11	4	0.00710143	0.011429	5	11	4	6.3E-07	1.01E-06
5	11	5	0.00710143	0.011429	5	11	5	6.3E-07	1.01E-06
5	11	6	0.00710143	0.011429	5	11	6	6.3E-07	1.01E-06
5	11	7	0.00710143	0.011429	5	11	7	6.3E-07	1.01E-06
5	11	8	0.00710143	0.011429	5	11	8	6.3E-07	1.01E-06
5	11	9	0.00710143	0.011429	5	11	9	6.3E-07	1.01E-06
5	11	10	0.00710143	0.011429	5	11	10	6.3E-07	1.01E-06
5	11	11	0.00710143	0.011429	5	11	11	6.3E-07	1.01E-06
5	11	12	0.00710143	0.011429	5	11	12	6.3E-07	1.01E-06

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	31	Sulfur Dioxide (SO2)			PollutantID	974	Benzo(a)pyrene		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	13	0.00710143	0.011429	5	11	13	6.3E-07	1.01E-06
5	11	14	0.00710143	0.011429	5	11	14	6.3E-07	1.01E-06
5	11	15	0.00710143	0.011429	5	11	15	6.3E-07	1.01E-06
5	11	16	0.00710143	0.011429	5	11	16	6.3E-07	1.01E-06
5	11	17	0.00710143	0.011429	5	11	17	6.3E-07	1.01E-06
5	11	18	0.00710143	0.011429	5	11	18	6.3E-07	1.01E-06
5	11	19	0.00710143	0.011429	5	11	19	6.3E-07	1.01E-06
5	11	20	0.00710143	0.011429	5	11	20	6.3E-07	1.01E-06
5	11	21	0.00710143	0.011429	5	11	21	6.3E-07	1.01E-06
5	11	22	0.00710143	0.011429	5	11	22	6.3E-07	1.01E-06
5	11	23	0.00710143	0.011429	5	11	23	6.3E-07	1.01E-06
5	11	24	0.00710143	0.011429	5	11	24	6.3E-07	1.01E-06
5	7	1	0.00870601	0.014011	5	7	1	7.5E-07	1.2E-06
5	7	2	0.00870601	0.014011	5	7	2	7.5E-07	1.2E-06
5	7	3	0.00870601	0.014011	5	7	3	7.5E-07	1.2E-06
5	7	4	0.00870601	0.014011	5	7	4	7.5E-07	1.2E-06
5	7	5	0.00870601	0.014011	5	7	5	7.5E-07	1.2E-06
5	7	6	0.00870601	0.014011	5	7	6	7.5E-07	1.2E-06
5	7	7	0.00870601	0.014011	5	7	7	7.5E-07	1.2E-06
5	7	8	0.00870601	0.014011	5	7	8	7.5E-07	1.2E-06
5	7	9	0.00870601	0.014011	5	7	9	7.5E-07	1.2E-06
5	7	10	0.00870601	0.014011	5	7	10	7.5E-07	1.2E-06
5	7	11	0.00870601	0.014011	5	7	11	7.5E-07	1.2E-06
5	7	12	0.00870601	0.014011	5	7	12	7.5E-07	1.2E-06
5	7	13	0.00870601	0.014011	5	7	13	7.5E-07	1.2E-06
5	7	14	0.00870601	0.014011	5	7	14	7.5E-07	1.2E-06
5	7	15	0.00870601	0.014011	5	7	15	7.5E-07	1.2E-06
5	7	16	0.00870601	0.014011	5	7	16	7.5E-07	1.2E-06
5	7	17	0.00870601	0.014011	5	7	17	7.5E-07	1.2E-06
5	7	18	0.00870601	0.014011	5	7	18	7.5E-07	1.2E-06
5	7	19	0.00870601	0.014011	5	7	19	7.5E-07	1.2E-06
5	7	20	0.00870601	0.014011	5	7	20	7.5E-07	1.2E-06
5	7	21	0.00870601	0.014011	5	7	21	7.5E-07	1.2E-06
5	7	22	0.00870601	0.014011	5	7	22	7.5E-07	1.2E-06
5	7	23	0.00870601	0.014011	5	7	23	7.5E-07	1.2E-06
5	7	24	0.00870601	0.014011	5	7	24	7.5E-07	1.2E-06

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
1	0	1	0.046289	0.074495	1	0	1	0.041479	0.066755
1	0	2	0.046289	0.074495	1	0	2	0.041479	0.066755
1	0	3	0.046289	0.074495	1	0	3	0.041479	0.066755
1	0	4	0.046289	0.074495	1	0	4	0.041479	0.066755
1	0	5	0.046289	0.074495	1	0	5	0.041479	0.066755
1	0	6	0.046289	0.074495	1	0	6	0.041479	0.066755
1	0	7	0.046289	0.074495	1	0	7	0.041479	0.066755
1	0	8	0.046289	0.074495	1	0	8	0.041479	0.066755
1	0	9	0.046289	0.074495	1	0	9	0.041479	0.066755
1	0	10	0.046289	0.074495	1	0	10	0.041479	0.066755
1	0	11	0.046289	0.074495	1	0	11	0.041479	0.066755
1	0	12	0.046289	0.074495	1	0	12	0.041479	0.066755
1	0	13	0.046289	0.074495	1	0	13	0.041479	0.066755
1	0	14	0.046289	0.074495	1	0	14	0.041479	0.066755
1	0	15	0.046289	0.074495	1	0	15	0.041479	0.066755
1	0	16	0.046289	0.074495	1	0	16	0.041479	0.066755
1	0	17	0.046289	0.074495	1	0	17	0.041479	0.066755
1	0	18	0.046289	0.074495	1	0	18	0.041479	0.066755
1	0	19	0.046289	0.074495	1	0	19	0.041479	0.066755
1	0	20	0.046289	0.074495	1	0	20	0.041479	0.066755
1	0	21	0.046289	0.074495	1	0	21	0.041479	0.066755
1	0	22	0.046289	0.074495	1	0	22	0.041479	0.066755
1	0	23	0.046289	0.074495	1	0	23	0.041479	0.066755
1	0	24	0.046289	0.074495	1	0	24	0.041479	0.066755
2	1	1	2.861252	4.604739	2	1	1	0.403269	0.648998
2	1	2	2.861252	4.604739	2	1	2	0.403269	0.648998
2	1	3	2.861252	4.604739	2	1	3	0.403269	0.648998
2	1	4	2.861252	4.604739	2	1	4	0.403269	0.648998
2	1	5	2.861252	4.604739	2	1	5	0.403269	0.648998
2	1	6	2.861252	4.604739	2	1	6	0.403269	0.648998
2	1	7	2.861252	4.604739	2	1	7	0.403269	0.648998
2	1	8	2.861252	4.604739	2	1	8	0.403269	0.648998
2	1	9	2.861252	4.604739	2	1	9	0.403269	0.648998
2	1	10	2.861252	4.604739	2	1	10	0.403269	0.648998
2	1	11	2.861252	4.604739	2	1	11	0.403269	0.648998
2	1	12	2.861252	4.604739	2	1	12	0.403269	0.648998
2	1	13	2.861252	4.604739	2	1	13	0.403269	0.648998
2	1	14	2.861252	4.604739	2	1	14	0.403269	0.648998
2	1	15	2.861252	4.604739	2	1	15	0.403269	0.648998
2	1	16	2.861252	4.604739	2	1	16	0.403269	0.648998
2	1	17	2.861252	4.604739	2	1	17	0.403269	0.648998
2	1	18	2.861252	4.604739	2	1	18	0.403269	0.648998
2	1	19	2.861252	4.604739	2	1	19	0.403269	0.648998
2	1	20	2.861252	4.604739	2	1	20	0.403269	0.648998
2	1	21	2.861252	4.604739	2	1	21	0.403269	0.648998
2	1	22	2.861252	4.604739	2	1	22	0.403269	0.648998
2	1	23	2.861252	4.604739	2	1	23	0.403269	0.648998
2	1	24	2.861252	4.604739	2	1	24	0.403269	0.648998
2	5	1	0.758081	1.220013	2	5	1	0.109094	0.175571
2	5	2	0.758081	1.220013	2	5	2	0.109094	0.175571
2	5	3	0.758081	1.220013	2	5	3	0.109094	0.175571
2	5	4	0.758081	1.220013	2	5	4	0.109094	0.175571
2	5	5	0.758081	1.220013	2	5	5	0.109094	0.175571
2	5	6	0.758081	1.220013	2	5	6	0.109094	0.175571

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	5	7	0.758081	1.220013	2	5	7	0.109094	0.175571
2	5	8	0.758081	1.220013	2	5	8	0.109094	0.175571
2	5	9	0.758081	1.220013	2	5	9	0.109094	0.175571
2	5	10	0.758081	1.220013	2	5	10	0.109094	0.175571
2	5	11	0.758081	1.220013	2	5	11	0.109094	0.175571
2	5	12	0.758081	1.220013	2	5	12	0.109094	0.175571
2	5	13	0.758081	1.220013	2	5	13	0.109094	0.175571
2	5	14	0.758081	1.220013	2	5	14	0.109094	0.175571
2	5	15	0.758081	1.220013	2	5	15	0.109094	0.175571
2	5	16	0.758081	1.220013	2	5	16	0.109094	0.175571
2	5	17	0.758081	1.220013	2	5	17	0.109094	0.175571
2	5	18	0.758081	1.220013	2	5	18	0.109094	0.175571
2	5	19	0.758081	1.220013	2	5	19	0.109094	0.175571
2	5	20	0.758081	1.220013	2	5	20	0.109094	0.175571
2	5	21	0.758081	1.220013	2	5	21	0.109094	0.175571
2	5	22	0.758081	1.220013	2	5	22	0.109094	0.175571
2	5	23	0.758081	1.220013	2	5	23	0.109094	0.175571
2	5	24	0.758081	1.220013	2	5	24	0.109094	0.175571
2	6	1	0.625137	1.00606	2	6	1	0.09077	0.14608
2	6	2	0.625137	1.00606	2	6	2	0.09077	0.14608
2	6	3	0.625137	1.00606	2	6	3	0.09077	0.14608
2	6	4	0.625137	1.00606	2	6	4	0.09077	0.14608
2	6	5	0.625137	1.00606	2	6	5	0.09077	0.14608
2	6	6	0.625137	1.00606	2	6	6	0.09077	0.14608
2	6	7	0.625137	1.00606	2	6	7	0.09077	0.14608
2	6	8	0.625137	1.00606	2	6	8	0.09077	0.14608
2	6	9	0.625137	1.00606	2	6	9	0.09077	0.14608
2	6	10	0.625137	1.00606	2	6	10	0.09077	0.14608
2	6	11	0.625137	1.00606	2	6	11	0.09077	0.14608
2	6	12	0.625137	1.00606	2	6	12	0.09077	0.14608
2	6	13	0.625137	1.00606	2	6	13	0.09077	0.14608
2	6	14	0.625137	1.00606	2	6	14	0.09077	0.14608
2	6	15	0.625137	1.00606	2	6	15	0.09077	0.14608
2	6	16	0.625137	1.00606	2	6	16	0.09077	0.14608
2	6	17	0.625137	1.00606	2	6	17	0.09077	0.14608
2	6	18	0.625137	1.00606	2	6	18	0.09077	0.14608
2	6	19	0.625137	1.00606	2	6	19	0.09077	0.14608
2	6	20	0.625137	1.00606	2	6	20	0.09077	0.14608
2	6	21	0.625137	1.00606	2	6	21	0.09077	0.14608
2	6	22	0.625137	1.00606	2	6	22	0.09077	0.14608
2	6	23	0.625137	1.00606	2	6	23	0.09077	0.14608
2	6	24	0.625137	1.00606	2	6	24	0.09077	0.14608
2	7	1	0.488728	0.786532	2	7	1	0.072605	0.116847
2	7	2	0.488728	0.786532	2	7	2	0.072605	0.116847
2	7	3	0.488728	0.786532	2	7	3	0.072605	0.116847
2	7	4	0.488728	0.786532	2	7	4	0.072605	0.116847
2	7	5	0.488728	0.786532	2	7	5	0.072605	0.116847
2	7	6	0.488728	0.786532	2	7	6	0.072605	0.116847
2	7	7	0.488728	0.786532	2	7	7	0.072605	0.116847
2	7	8	0.488728	0.786532	2	7	8	0.072605	0.116847
2	7	9	0.488728	0.786532	2	7	9	0.072605	0.116847
2	7	10	0.488728	0.786532	2	7	10	0.072605	0.116847
2	7	11	0.488728	0.786532	2	7	11	0.072605	0.116847
2	7	12	0.488728	0.786532	2	7	12	0.072605	0.116847

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	7	13	0.488728	0.786532	2	7	13	0.072605	0.116847
2	7	14	0.488728	0.786532	2	7	14	0.072605	0.116847
2	7	15	0.488728	0.786532	2	7	15	0.072605	0.116847
2	7	16	0.488728	0.786532	2	7	16	0.072605	0.116847
2	7	17	0.488728	0.786532	2	7	17	0.072605	0.116847
2	7	18	0.488728	0.786532	2	7	18	0.072605	0.116847
2	7	19	0.488728	0.786532	2	7	19	0.072605	0.116847
2	7	20	0.488728	0.786532	2	7	20	0.072605	0.116847
2	7	21	0.488728	0.786532	2	7	21	0.072605	0.116847
2	7	22	0.488728	0.786532	2	7	22	0.072605	0.116847
2	7	23	0.488728	0.786532	2	7	23	0.072605	0.116847
2	7	24	0.488728	0.786532	2	7	24	0.072605	0.116847
2	12	1	0.093734	0.150851	2	12	1	0.017879	0.028774
2	12	2	0.093734	0.150851	2	12	2	0.017879	0.028774
2	12	3	0.093734	0.150851	2	12	3	0.017879	0.028774
2	12	4	0.093734	0.150851	2	12	4	0.017879	0.028774
2	12	5	0.093734	0.150851	2	12	5	0.017879	0.028774
2	12	6	0.093734	0.150851	2	12	6	0.017879	0.028774
2	12	7	0.093734	0.150851	2	12	7	0.017879	0.028774
2	12	8	0.093734	0.150851	2	12	8	0.017879	0.028774
2	12	9	0.093734	0.150851	2	12	9	0.017879	0.028774
2	12	10	0.093734	0.150851	2	12	10	0.017879	0.028774
2	12	11	0.093734	0.150851	2	12	11	0.017879	0.028774
2	12	12	0.093734	0.150851	2	12	12	0.017879	0.028774
2	12	13	0.093734	0.150851	2	12	13	0.017879	0.028774
2	12	14	0.093734	0.150851	2	12	14	0.017879	0.028774
2	12	15	0.093734	0.150851	2	12	15	0.017879	0.028774
2	12	16	0.093734	0.150851	2	12	16	0.017879	0.028774
2	12	17	0.093734	0.150851	2	12	17	0.017879	0.028774
2	12	18	0.093734	0.150851	2	12	18	0.017879	0.028774
2	12	19	0.093734	0.150851	2	12	19	0.017879	0.028774
2	12	20	0.093734	0.150851	2	12	20	0.017879	0.028774
2	12	21	0.093734	0.150851	2	12	21	0.017879	0.028774
2	12	22	0.093734	0.150851	2	12	22	0.017879	0.028774
2	12	23	0.093734	0.150851	2	12	23	0.017879	0.028774
2	12	24	0.093734	0.150851	2	12	24	0.017879	0.028774
2	13	1	0.065847	0.10597	2	13	1	0.014055	0.022619
2	13	2	0.065847	0.10597	2	13	2	0.014055	0.022619
2	13	3	0.065847	0.10597	2	13	3	0.014055	0.022619
2	13	4	0.065847	0.10597	2	13	4	0.014055	0.022619
2	13	5	0.065847	0.10597	2	13	5	0.014055	0.022619
2	13	6	0.065847	0.10597	2	13	6	0.014055	0.022619
2	13	7	0.065847	0.10597	2	13	7	0.014055	0.022619
2	13	8	0.065847	0.10597	2	13	8	0.014055	0.022619
2	13	9	0.065847	0.10597	2	13	9	0.014055	0.022619
2	13	10	0.065847	0.10597	2	13	10	0.014055	0.022619
2	13	11	0.065847	0.10597	2	13	11	0.014055	0.022619
2	13	12	0.065847	0.10597	2	13	12	0.014055	0.022619
2	13	13	0.065847	0.10597	2	13	13	0.014055	0.022619
2	13	14	0.065847	0.10597	2	13	14	0.014055	0.022619
2	13	15	0.065847	0.10597	2	13	15	0.014055	0.022619
2	13	16	0.065847	0.10597	2	13	16	0.014055	0.022619
2	13	17	0.065847	0.10597	2	13	17	0.014055	0.022619
2	13	18	0.065847	0.10597	2	13	18	0.014055	0.022619

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
2	13	19	0.065847	0.10597	2	13	19	0.014055	0.022619
2	13	20	0.065847	0.10597	2	13	20	0.014055	0.022619
2	13	21	0.065847	0.10597	2	13	21	0.014055	0.022619
2	13	22	0.065847	0.10597	2	13	22	0.014055	0.022619
2	13	23	0.065847	0.10597	2	13	23	0.014055	0.022619
2	13	24	0.065847	0.10597	2	13	24	0.014055	0.022619
2	15	1	0.050539	0.081335	2	15	1	0.012201	0.019635
2	15	2	0.050539	0.081335	2	15	2	0.012201	0.019635
2	15	3	0.050539	0.081335	2	15	3	0.012201	0.019635
2	15	4	0.050539	0.081335	2	15	4	0.012201	0.019635
2	15	5	0.050539	0.081335	2	15	5	0.012201	0.019635
2	15	6	0.050539	0.081335	2	15	6	0.012201	0.019635
2	15	7	0.050539	0.081335	2	15	7	0.012201	0.019635
2	15	8	0.050539	0.081335	2	15	8	0.012201	0.019635
2	15	9	0.050539	0.081335	2	15	9	0.012201	0.019635
2	15	10	0.050539	0.081335	2	15	10	0.012201	0.019635
2	15	11	0.050539	0.081335	2	15	11	0.012201	0.019635
2	15	12	0.050539	0.081335	2	15	12	0.012201	0.019635
2	15	13	0.050539	0.081335	2	15	13	0.012201	0.019635
2	15	14	0.050539	0.081335	2	15	14	0.012201	0.019635
2	15	15	0.050539	0.081335	2	15	15	0.012201	0.019635
2	15	16	0.050539	0.081335	2	15	16	0.012201	0.019635
2	15	17	0.050539	0.081335	2	15	17	0.012201	0.019635
2	15	18	0.050539	0.081335	2	15	18	0.012201	0.019635
2	15	19	0.050539	0.081335	2	15	19	0.012201	0.019635
2	15	20	0.050539	0.081335	2	15	20	0.012201	0.019635
2	15	21	0.050539	0.081335	2	15	21	0.012201	0.019635
2	15	22	0.050539	0.081335	2	15	22	0.012201	0.019635
2	15	23	0.050539	0.081335	2	15	23	0.012201	0.019635
2	15	24	0.050539	0.081335	2	15	24	0.012201	0.019635
3	7	1	0.464081	0.746866	3	7	1	0.069378	0.111654
3	7	2	0.464081	0.746866	3	7	2	0.069378	0.111654
3	7	3	0.464081	0.746866	3	7	3	0.069378	0.111654
3	7	4	0.464081	0.746866	3	7	4	0.069378	0.111654
3	7	5	0.464081	0.746866	3	7	5	0.069378	0.111654
3	7	6	0.464081	0.746866	3	7	6	0.069378	0.111654
3	7	7	0.464081	0.746866	3	7	7	0.069378	0.111654
3	7	8	0.464081	0.746866	3	7	8	0.069378	0.111654
3	7	9	0.464081	0.746866	3	7	9	0.069378	0.111654
3	7	10	0.464081	0.746866	3	7	10	0.069378	0.111654
3	7	11	0.464081	0.746866	3	7	11	0.069378	0.111654
3	7	12	0.464081	0.746866	3	7	12	0.069378	0.111654
3	7	13	0.464081	0.746866	3	7	13	0.069378	0.111654
3	7	14	0.464081	0.746866	3	7	14	0.069378	0.111654
3	7	15	0.464081	0.746866	3	7	15	0.069378	0.111654
3	7	16	0.464081	0.746866	3	7	16	0.069378	0.111654
3	7	17	0.464081	0.746866	3	7	17	0.069378	0.111654
3	7	18	0.464081	0.746866	3	7	18	0.069378	0.111654
3	7	19	0.464081	0.746866	3	7	19	0.069378	0.111654
3	7	20	0.464081	0.746866	3	7	20	0.069378	0.111654
3	7	21	0.464081	0.746866	3	7	21	0.069378	0.111654
3	7	22	0.464081	0.746866	3	7	22	0.069378	0.111654
3	7	23	0.464081	0.746866	3	7	23	0.069378	0.111654
3	7	24	0.464081	0.746866	3	7	24	0.069378	0.111654

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
3	8	1	0.36217	0.582856	3	8	1	0.054608	0.087882
3	8	2	0.36217	0.582856	3	8	2	0.054608	0.087882
3	8	3	0.36217	0.582856	3	8	3	0.054608	0.087882
3	8	4	0.36217	0.582856	3	8	4	0.054608	0.087882
3	8	5	0.36217	0.582856	3	8	5	0.054608	0.087882
3	8	6	0.36217	0.582856	3	8	6	0.054608	0.087882
3	8	7	0.36217	0.582856	3	8	7	0.054608	0.087882
3	8	8	0.36217	0.582856	3	8	8	0.054608	0.087882
3	8	9	0.36217	0.582856	3	8	9	0.054608	0.087882
3	8	10	0.36217	0.582856	3	8	10	0.054608	0.087882
3	8	11	0.36217	0.582856	3	8	11	0.054608	0.087882
3	8	12	0.36217	0.582856	3	8	12	0.054608	0.087882
3	8	13	0.36217	0.582856	3	8	13	0.054608	0.087882
3	8	14	0.36217	0.582856	3	8	14	0.054608	0.087882
3	8	15	0.36217	0.582856	3	8	15	0.054608	0.087882
3	8	16	0.36217	0.582856	3	8	16	0.054608	0.087882
3	8	17	0.36217	0.582856	3	8	17	0.054608	0.087882
3	8	18	0.36217	0.582856	3	8	18	0.054608	0.087882
3	8	19	0.36217	0.582856	3	8	19	0.054608	0.087882
3	8	20	0.36217	0.582856	3	8	20	0.054608	0.087882
3	8	21	0.36217	0.582856	3	8	21	0.054608	0.087882
3	8	22	0.36217	0.582856	3	8	22	0.054608	0.087882
3	8	23	0.36217	0.582856	3	8	23	0.054608	0.087882
3	8	24	0.36217	0.582856	3	8	24	0.054608	0.087882
3	11	1	0.143614	0.231125	3	11	1	0.024848	0.039989
3	11	2	0.143614	0.231125	3	11	2	0.024848	0.039989
3	11	3	0.143614	0.231125	3	11	3	0.024848	0.039989
3	11	4	0.143614	0.231125	3	11	4	0.024848	0.039989
3	11	5	0.143614	0.231125	3	11	5	0.024848	0.039989
3	11	6	0.143614	0.231125	3	11	6	0.024848	0.039989
3	11	7	0.143614	0.231125	3	11	7	0.024848	0.039989
3	11	8	0.143614	0.231125	3	11	8	0.024848	0.039989
3	11	9	0.143614	0.231125	3	11	9	0.024848	0.039989
3	11	10	0.143614	0.231125	3	11	10	0.024848	0.039989
3	11	11	0.143614	0.231125	3	11	11	0.024848	0.039989
3	11	12	0.143614	0.231125	3	11	12	0.024848	0.039989
3	11	13	0.143614	0.231125	3	11	13	0.024848	0.039989
3	11	14	0.143614	0.231125	3	11	14	0.024848	0.039989
3	11	15	0.143614	0.231125	3	11	15	0.024848	0.039989
3	11	16	0.143614	0.231125	3	11	16	0.024848	0.039989
3	11	17	0.143614	0.231125	3	11	17	0.024848	0.039989
3	11	18	0.143614	0.231125	3	11	18	0.024848	0.039989
3	11	19	0.143614	0.231125	3	11	19	0.024848	0.039989
3	11	20	0.143614	0.231125	3	11	20	0.024848	0.039989
3	11	21	0.143614	0.231125	3	11	21	0.024848	0.039989
3	11	22	0.143614	0.231125	3	11	22	0.024848	0.039989
3	11	23	0.143614	0.231125	3	11	23	0.024848	0.039989
3	11	24	0.143614	0.231125	3	11	24	0.024848	0.039989
5	6	1	0.602087	0.968964	5	6	1	0.08792	0.141494
5	6	2	0.602087	0.968964	5	6	2	0.08792	0.141494
5	6	3	0.602087	0.968964	5	6	3	0.08792	0.141494
5	6	4	0.602087	0.968964	5	6	4	0.08792	0.141494
5	6	5	0.602087	0.968964	5	6	5	0.08792	0.141494
5	6	6	0.602087	0.968964	5	6	6	0.08792	0.141494

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	6	7	0.602087	0.968964	5	6	7	0.08792	0.141494
5	6	8	0.602087	0.968964	5	6	8	0.08792	0.141494
5	6	9	0.602087	0.968964	5	6	9	0.08792	0.141494
5	6	10	0.602087	0.968964	5	6	10	0.08792	0.141494
5	6	11	0.602087	0.968964	5	6	11	0.08792	0.141494
5	6	12	0.602087	0.968964	5	6	12	0.08792	0.141494
5	6	13	0.602087	0.968964	5	6	13	0.08792	0.141494
5	6	14	0.602087	0.968964	5	6	14	0.08792	0.141494
5	6	15	0.602087	0.968964	5	6	15	0.08792	0.141494
5	6	16	0.602087	0.968964	5	6	16	0.08792	0.141494
5	6	17	0.602087	0.968964	5	6	17	0.08792	0.141494
5	6	18	0.602087	0.968964	5	6	18	0.08792	0.141494
5	6	19	0.602087	0.968964	5	6	19	0.08792	0.141494
5	6	20	0.602087	0.968964	5	6	20	0.08792	0.141494
5	6	21	0.602087	0.968964	5	6	21	0.08792	0.141494
5	6	22	0.602087	0.968964	5	6	22	0.08792	0.141494
5	6	23	0.602087	0.968964	5	6	23	0.08792	0.141494
5	6	24	0.602087	0.968964	5	6	24	0.08792	0.141494
5	8	1	0.36217	0.582856	5	8	1	0.054608	0.087882
5	8	2	0.36217	0.582856	5	8	2	0.054608	0.087882
5	8	3	0.36217	0.582856	5	8	3	0.054608	0.087882
5	8	4	0.36217	0.582856	5	8	4	0.054608	0.087882
5	8	5	0.36217	0.582856	5	8	5	0.054608	0.087882
5	8	6	0.36217	0.582856	5	8	6	0.054608	0.087882
5	8	7	0.36217	0.582856	5	8	7	0.054608	0.087882
5	8	8	0.36217	0.582856	5	8	8	0.054608	0.087882
5	8	9	0.36217	0.582856	5	8	9	0.054608	0.087882
5	8	10	0.36217	0.582856	5	8	10	0.054608	0.087882
5	8	11	0.36217	0.582856	5	8	11	0.054608	0.087882
5	8	12	0.36217	0.582856	5	8	12	0.054608	0.087882
5	8	13	0.36217	0.582856	5	8	13	0.054608	0.087882
5	8	14	0.36217	0.582856	5	8	14	0.054608	0.087882
5	8	15	0.36217	0.582856	5	8	15	0.054608	0.087882
5	8	16	0.36217	0.582856	5	8	16	0.054608	0.087882
5	8	17	0.36217	0.582856	5	8	17	0.054608	0.087882
5	8	18	0.36217	0.582856	5	8	18	0.054608	0.087882
5	8	19	0.36217	0.582856	5	8	19	0.054608	0.087882
5	8	20	0.36217	0.582856	5	8	20	0.054608	0.087882
5	8	21	0.36217	0.582856	5	8	21	0.054608	0.087882
5	8	22	0.36217	0.582856	5	8	22	0.054608	0.087882
5	8	23	0.36217	0.582856	5	8	23	0.054608	0.087882
5	8	24	0.36217	0.582856	5	8	24	0.054608	0.087882
5	11	1	0.143614	0.231125	5	11	1	0.024848	0.039989
5	11	2	0.143614	0.231125	5	11	2	0.024848	0.039989
5	11	3	0.143614	0.231125	5	11	3	0.024848	0.039989
5	11	4	0.143614	0.231125	5	11	4	0.024848	0.039989
5	11	5	0.143614	0.231125	5	11	5	0.024848	0.039989
5	11	6	0.143614	0.231125	5	11	6	0.024848	0.039989
5	11	7	0.143614	0.231125	5	11	7	0.024848	0.039989
5	11	8	0.143614	0.231125	5	11	8	0.024848	0.039989
5	11	9	0.143614	0.231125	5	11	9	0.024848	0.039989
5	11	10	0.143614	0.231125	5	11	10	0.024848	0.039989
5	11	11	0.143614	0.231125	5	11	11	0.024848	0.039989
5	11	12	0.143614	0.231125	5	11	12	0.024848	0.039989

TRK Travel Emission Rate Calculation: CAC (2051)

PollutantID	9100	PM10			PollutantID	9110	PM2.5		
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	G/VMT TRK
5	11	13	0.143614	0.231125	5	11	13	0.024848	0.039989
5	11	14	0.143614	0.231125	5	11	14	0.024848	0.039989
5	11	15	0.143614	0.231125	5	11	15	0.024848	0.039989
5	11	16	0.143614	0.231125	5	11	16	0.024848	0.039989
5	11	17	0.143614	0.231125	5	11	17	0.024848	0.039989
5	11	18	0.143614	0.231125	5	11	18	0.024848	0.039989
5	11	19	0.143614	0.231125	5	11	19	0.024848	0.039989
5	11	20	0.143614	0.231125	5	11	20	0.024848	0.039989
5	11	21	0.143614	0.231125	5	11	21	0.024848	0.039989
5	11	22	0.143614	0.231125	5	11	22	0.024848	0.039989
5	11	23	0.143614	0.231125	5	11	23	0.024848	0.039989
5	11	24	0.143614	0.231125	5	11	24	0.024848	0.039989
5	7	1	0.464081	0.746866	5	7	1	0.069378	0.111654
5	7	2	0.464081	0.746866	5	7	2	0.069378	0.111654
5	7	3	0.464081	0.746866	5	7	3	0.069378	0.111654
5	7	4	0.464081	0.746866	5	7	4	0.069378	0.111654
5	7	5	0.464081	0.746866	5	7	5	0.069378	0.111654
5	7	6	0.464081	0.746866	5	7	6	0.069378	0.111654
5	7	7	0.464081	0.746866	5	7	7	0.069378	0.111654
5	7	8	0.464081	0.746866	5	7	8	0.069378	0.111654
5	7	9	0.464081	0.746866	5	7	9	0.069378	0.111654
5	7	10	0.464081	0.746866	5	7	10	0.069378	0.111654
5	7	11	0.464081	0.746866	5	7	11	0.069378	0.111654
5	7	12	0.464081	0.746866	5	7	12	0.069378	0.111654
5	7	13	0.464081	0.746866	5	7	13	0.069378	0.111654
5	7	14	0.464081	0.746866	5	7	14	0.069378	0.111654
5	7	15	0.464081	0.746866	5	7	15	0.069378	0.111654
5	7	16	0.464081	0.746866	5	7	16	0.069378	0.111654
5	7	17	0.464081	0.746866	5	7	17	0.069378	0.111654
5	7	18	0.464081	0.746866	5	7	18	0.069378	0.111654
5	7	19	0.464081	0.746866	5	7	19	0.069378	0.111654
5	7	20	0.464081	0.746866	5	7	20	0.069378	0.111654
5	7	21	0.464081	0.746866	5	7	21	0.069378	0.111654
5	7	22	0.464081	0.746866	5	7	22	0.069378	0.111654
5	7	23	0.464081	0.746866	5	7	23	0.069378	0.111654
5	7	24	0.464081	0.746866	5	7	24	0.069378	0.111654

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Appendix D

Ambient Air Data

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Background Ambient Air Quality Calculations

Criteria Air Contaminant	Station ID	Averaging Period (hr)	Units	90th Percentile Concentrations				
				2017	2018	2019	2020	2021
NO2	60104	1	ppb	15.00	17.00	15.00	13.00	13.00
		24	ppb	13.64	15.03	14.02	12.10	11.97
		Annual	ppb	7.05	7.27	6.70	5.92	5.72
CO	60104	1	ppm	0.25	0.26	0.25	0.26	0.23
		8	ppm	0.25	0.26	0.25	0.26	0.27
SO2	60104	1	ppb	0.40	0.40	0.30	0.30	0.30
		0.16667	ppb	0.66	0.66	0.50	0.50	0.50
		Annual	ppb	0.18	0.18	0.17	0.12	0.16
		1	ppb	-	-	-	-	-
PM10	60104	24	µg/m3	19.2	18.5	18.8	18.6	20.9
PM2.5	60104	24	µg/m3	10.4	10.0	10.2	10.0	11.3
		Annual	µg/m3	5.93	5.93	5.93	6.04	6.26
Benzo(a)pyrene	50129	24	ng/m3	0.06	0.20	0.11	0.07	0.09
		Annual	ng/m3	0.03	0.08	0.07	0.03	0.07
Benzene	60104	24	µg/m3	0.63	0.69	0.71	0.54	0.90
		Annual	µg/m3	0.38	0.39	0.41	0.34	0.53
1,3-Butadiene	60104	24	µg/m3	0.05	0.04	0.06	0.04	0.08
		Annual	µg/m3	0.03	0.03	0.03	0.02	0.04
Ozone	60104	1	ppb	41.00	39.00	39.00	40.00	40.00
		24	ppb	38.22	35.88	35.79	36.40	35.89
		Annual	ppb	26.40	25.92	25.22	25.78	26.06
				2015	**2016**	**2017**	**2018**	**2019**
Acetaldehyde	50129	0.5	µg/m3	4.97	5.64	4.51	4.42	3.99
		24	µg/m3	1.68	1.91	1.52	1.50	1.35
Formaldehyde	50129	24	µg/m3	2.76	2.79	1.50	2.48	2.16
				2014	**2015**	**2016**	**2017**	**2018**
Acrolein	50129	1	µg/m3	0.27	0.29	0.10	0.02	ND
		24	µg/m3	0.11	0.12	0.04	0.01	ND

Parameters	
R (L.kPa/K.mol)	8.3
TEMP (K)	283.2
Pressure (Pa)	101325
Molecular Weights (g/mol)	
NO2	46
CO	28
SO2	64
O3	48
Conversion Factor	
ppb - ug/m3	24.5
ppm - ug/m3	0.02

Criteria Air Contaminant	Averaging Period (hr)	Units	98th Percentile Concentrations					99th Percentile Concentrations				
			2017	2018	2019	2020	2021	2017	2018	2019	2020	2021
NO2	1	ppb	41.00	40.72	42.72	39.40	37.72	-	-	-	-	-
	24	ppb	-	-	-	-	-	-	-	-	-	-
	Annual	ppb	7.05	7.27	6.70	5.92	5.72	-	-	-	-	-
CO	1	ppm	-	-	-	-	-	-	-	-	-	-
	8	ppm	-	-	-	-	-	-	-	-	-	-
SO2	1	ppb	-	-	-	-	-	-	-	-	-	-
	0.16667	ppb	-	-	-	-	-					
	Annual	ppb	-	-	-	-	-	-	-	-	-	-
	1	ppb	-	-	-	-	-	2.6	1.98	1.5	1.94	2.738
PM10	24	µg/m3	-	-	-	-	-	-	-	-	-	-
PM2.5	24	µg/m3	14.8	16.0	14.9	17.0	17.5	-	-	-	-	-
	Annual	µg/m3	5.93	5.93	5.93	6.04	6.26	-	-	-	-	-
Benzo(a)pyrene	24	ng/m3	-	-	-	-	-	-	-	-	-	-
	Annual	ng/m3	-	-	-	-	-	-	-	-	-	-
Benzene	24	µg/m3	-	-	-	-	-	-	-	-	-	-
	Annual	µg/m3	-	-	-	-	-	-	-	-	-	-
1,3-Butadiene	24	µg/m3	-	-	-	-	-	-	-	-	-	-
	Annual	µg/m3	-	-	-	-	-	-	-	-	-	-
Ozone	1	ppb										
	24	ppb	-	-	-	-	-	-	-	-	-	-
	Annual	ppb	-	-	-	-	-	-	-	-	-	-
Acetaldehyde	0.5	µg/m3	-	-	-	-	-					
	24	µg/m3	-	-	-	-	-	-	-	-	-	-
Formaldehyde	24	µg/m3	-	-	-	-	-	-	-	-	-	-
Acrolein	1	µg/m3	-	-	-	-	-	-	-	-	-	-
	24	µg/m3	-	-	-	-	-	-	-	-	-	-

Parameters	
R (L.kPa/K.mol)	8.3
TEMP (K)	283.2
Pressure (Pa)	101325
Molecular Weights (g/mol)	
NO2	46
CO	28
SO2	64
O3	48
Conversion Factor	
ppb - ug/m3	24.5
ppm - ug/m3	0.02

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Appendix E

Input Traffic Data

Interchange Traffic Data Summary - Annual Averaged Daily Traffic (AADT)					Existing Conditions	Future No Build Conditions	Future Build Conditions
Source Location	**Description**	**Modeling ID**	**HELPER Veh. Type**		**2021 AADT**	**2036 AADT**	**2051 AADT**
Travelling Vehicle Traffic Sources							
HWY 401	Between Sharpe's Ln and County Rd 15 - EB	G1	G1A	AUTO	22,247	27,119	36,498
			G1C	CAR	16,729	20,393	27,446
			G1T	TRK	5,517	6,725	9,052
HWY 401	Between Sharpe's Ln and County Rd 15 - WB	G2	G2A	AUTO	22,247	27,119	36,498
			G2C	CAR	16,729	20,393	27,446
			G2T	TRK	5,517	6,725	9,052
HWY 401	Between ON/OFF Ramps on Maitland Rd - EB	G3	G3A	AUTO	20,907	25,234	33,847
			G3C	CAR	15,523	18,697	25,061
			G3T	TRK	5,383	6,537	8,786
HWY 401	Between ON/OFF Ramps on Maitland Rd - WB	G4	G4A	AUTO	18,836	22,623	29,921
			G4C	CAR	13,958	16,746	22,135
			G4T	TRK	4,878	5,877	7,786
HWY 401	Between County Rd 15 and Blue Church Rd - EB	G5	G5A	AUTO	23,768	28,690	38,049
			G5C	CAR	17,731	21,402	28,385
			G5T	TRK	6,037	7,287	9,664
HWY 401	Between County Rd 15 and Blue Church Rd - WB	G6	G6A	AUTO	19,446	23,473	31,131
			G6C	CAR	14,507	17,511	23,224
			G6T	TRK	4,939	5,962	7,907
HWY 401	Between Blue Church Rd and Edward St N - EB	G7	G7A	AUTO	20,446	24,439	31,937
			G7C	CAR	15,252	18,231	23,825
			G7T	TRK	5,193	6,207	8,112
HWY 401	Between Blue Church Rd and Edward St N - WB	G8	G8A	AUTO	16,728	19,995	26,130
			G8C	CAR	12,479	14,916	19,493
			G8T	TRK	4,249	5,079	6,637
HWY 401	Between ON/OFF Ramps - EB	G9	G9A	AUTO	16,970	19,478	24,857
			G9C	CAR	13,090	14,795	18,515
			G9T	TRK	3,880	4,683	6,342
HWY 401	Between ON/OFF Ramps - WB	G10	G10A	AUTO	13,618	14,874	16,556
			G10C	CAR	12,491	13,688	15,179
			G10T	TRK	1,127	1,186	1,377
HWY 401	Between Edward St N and Hwy 16 - EB	G11	G11A	AUTO	10,021	11,069	12,851
			G11C	CAR	7,486	8,269	9,600
			G11T	TRK	2,535	2,801	3,251
HWY 401	Between Edward St N and Hwy 16 - WB	G12	G12A	AUTO	8,537	9,430	10,948
			G12C	CAR	6,377	7,044	8,178
			G12T	TRK	2,160	2,386	2,770
HWY 401	Between Hwy 416 OFF Ramps - EB	G13	G13A	AUTO	2,896	2,548	2,660
			G13C	CAR	2,172	1,911	1,995
			G13T	TRK	724	637	665
HWY 401	After Hwy 416 ON Ramps - WB	G14	G14A	AUTO	16,352	18,776	22,126
			G14C	CAR	12,264	14,082	16,594
			G14T	TRK	4,088	4,694	5,531
HWY 401	Between HWY 16 and Rooney Rd (End of Boundary) - EB	G15	G15A	AUTO	10,986	12,378	14,803
			G15C	CAR	6,866	7,736	9,252
			G15T	TRK	4,120	4,642	5,551
HWY 401	Between HWY 16 and Rooney Rd (End of Boundary) - WB	G16	G16A	AUTO	11,435	12,884	15,408
			G16C	CAR	7,147	8,052	9,630
			G16T	TRK	4,288	4,831	5,778
HWY 401	Between Hwy 401 & Hwy 16 ON/OFF Ramps - EB	G17	G17A	AUTO	2,102	1,626	1,590
			G17C	CAR	1,497	1,128	1,086
			G17T	TRK	605	499	505
HWY 401	Between Hwy 16 Off Ramp (E-N) and Hwy 401 On Ramp (S-W)	G18	G18A	AUTO	11,323	12,754	15,258
			G18C	CAR	7,063	7,955	9,517
			G18T	TRK	4,260	4,799	5,740
HWY 401 & Maitland Rd	Off Ramp - W-N/S to County Rd 15 (Maitland Rd)	G19	G19A	AUTO	1,340	1,885	2,651
			G19C	CAR	1,206	1,696	2,386
			G19T	TRK	134	188	265

Interchange Traffic Data Summary - Annual Averaged Daily Traffic (AADT)					Existing Conditions	Future No Build Conditions	Future Build Conditions
Source Location	**Description**	**Modeling ID**	**HELPER Veh. Type**		**2021 AADT**	**2036 AADT**	**2051 AADT**
HWY 401 & Maitland Rd	On Ramp - Coming from County Rd 15 (Maitland Rd) (S-E)	G20	G20A	AUTO	1,180	1,660	
			G20C	CAR	1,062	1,494	
			G20T	TRK	118	166	
HWY 401 & 2nd Concession Rd	Off Ramp - HWY 401 East to 2nd Concession Rd	G21	G21A	AUTO	610	850	1,210
			G21C	CAR	549	765	1,089
			G21T	TRK	61	85	121
HWY 401 & 2nd Concession Rd	On Ramp - 2nd Concession Rd to HWY 401 West	G22	G22A	AUTO	1,560	2,200	3,080
			G22C	CAR	1,404	1,980	2,772
			G22T	TRK	156	220	308
County Rd 15	At HWY 401 - NB/SB	G23	G23A	AUTO	15,290	4,570	5,700
			G23C	CAR	13,761	4,113	5,130
			G23T	TRK	1,529	457	570
Edward St N	Between Hwy 401 ON/OFF Ramps - NB	G24	G24A	AUTO	3,314	4,729	6,750
			G24C	CAR	3,148	4,493	6,412
			G24T	TRK	166	236	338
Edward St N	Between Hwy 401 ON/OFF Ramps - SB	G25	G25A	AUTO	7,202	10,279	14,670
			G25C	CAR	5,402	7,709	11,002
			G25T	TRK	1,800	2,570	3,668
HWY 401 & Edward St	Off Ramp - W-N/S	G26	G26A	AUTO	3,476	4,961	7,080
			G26C	CAR	2,162	3,436	5,310
			G26T	TRK	1,313	1,525	1,770
HWY 401 & Edward St	On Ramp - N/S-E	G27	G27A	AUTO	2,018	2,880	4,110
			G27C	CAR	1,255	1,995	3,083
			G27T	TRK	762	885	1,028
HWY 401 & Edward St	Off Ramp - E-N/S	G28	G28A	AUTO	2,734	3,903	5,570
			G28C	CAR	1,701	2,703	4,178
			G28T	TRK	1,033	1,199	1,393
HWY 401 & Edward St	On Ramp - N/S-W	G29	G29A	AUTO	4,521	6,453	9,210
			G29C	CAR	4,024	5,743	8,197
			G29T	TRK	497	710	1,013
Edward St N	At the intersection of HWY 401 & Edward St (Northbound)	G30	G30A	AUTO	4,418	6,306	9,000
			G30C	CAR	3,313	4,730	6,750
			G30T	TRK	1,105	1,576	2,250
Edward St N	At the intersection of HWY 401 & Edward St (Southbound)	G31	G31A	AUTO	5,950	8,492	12,120
			G31C	CAR	5,653	8,067	11,514
			G31T	TRK	297	425	606
HWY 401 & HWY 416	Off Ramp from HWY 401 EB to HWY 416	G32	G32A	AUTO	7,125	8,521	10,191
			G32C	CAR	6,342	7,584	9,070
			G32T	TRK	784	937	1,121
HWY 416 & HWY 401	On Ramp from HWY 416 to HWY 401 WB	G33	G33A	AUTO	7,816	9,347	11,178
			G33C	CAR	6,956	8,319	9,949
			G33T	TRK	860	1,028	1,230
HWY 401 & HWY 16	Off Ramp - West of Hwy 401 to North/South of Hwy 16 (W-N/S)	G34	G34A	AUTO	794	922	1,070
			G34C	CAR	675	783	910
			G34T	TRK	119	138	161
HWY 16 & HWY 401	On Ramp - North of Hwy 16 to West of Hwy 401 (N-W)	G35	G35A	AUTO	237	276	320
			G35C	CAR	202	234	272
			G35T	TRK	36	41	48
HWY 16 & HWY 401	ON Ramp - South of Hwy 16 to West of Hwy 401 (S-W)	G36	G36A	AUTO	512	594	690
			G36C	CAR	410	475	552
			G36T	TRK	102	119	138
HWY 16 & HWY 401	On Ramp - North of Hwy 16 to East of Hwy 401 (N-E)	G37	G37A	AUTO	556	646	750
			G37C	CAR	506	588	683
			G37T	TRK	50	58	68
HWY 401 & HWY 16	ON Ramp - East of Hwy 401 to North/South of Hwy 16 (E-N/S)	G38	G38A	AUTO	111	129	150
			G38C	CAR	83	97	113
			G38T	TRK	28	32	38
HWY 401 & HWY 16	ON Ramp - East of Hwy 401 to North of Hwy 16 (E-N)	G39	G39A	AUTO	453	525	610
			G39C	CAR	290	336	390
			G39T	TRK	163	189	220
HWY 16 & HWY 401	OFF Ramp - South of Hwy 16 to East of Hwy 401 (S-E)	G40	G40A	AUTO	312	362	420
			G40C	CAR	209	242	281
			G40T	TRK	103	119	139
HWY 16	Northbound Approach	G41	G41A	AUTO	1,981	2,300	2,670
			G41C	CAR	1,743	2,024	2,350
			G41T	TRK	238	276	320
HWY 16	Southbound Approach	G42	G42A	AUTO	1,899	2,205	2,560
			G42C	CAR	1,462	1,698	1,971
			G42T	TRK	437	507	589

Interchange Traffic Data Summary - Annual Averaged Daily Traffic (AADT)					Existing Conditions	Future No Build Conditions	Future Build Conditions
Source Location	**Description**	**Modeling ID**	**HELPER**	**Veh. Type**	**2021 AADT**	**2036 AADT**	**2051 AADT**
HWY 16	Northbound Approach - Between Off Ramp (S-W) and Off Ramp (S-E)	G43	G43A	AUTO	1,669	1,938	2,250
			G43C	CAR	1,534	1,781	2,068
			G43T	TRK	135	157	182
HWY 16	Northbound Approach - Between On Ramp (E-N/S) and Off Ramp (S-W)	G44	G44A	AUTO	1,157	1,344	1,560
			G44C	CAR	1,125	1,306	1,516
			G44T	TRK	32	38	44
HWY 16	Northbound Approach - Between On Ramp (E-N/S) and On Ramp (E-N)	G45	G45A	AUTO	1,610	1,869	2,170
			G45C	CAR	1,415	1,642	1,907
			G45T	TRK	195	227	263
HWY 16	Northbound Approach - Between On Ramp (E-N) and Rooney Rd	G46	G46A	AUTO	1,721	1,998	2,320
			G46C	CAR	1,498	1,739	2,019
			G46T	TRK	223	259	301
HWY 16	Southbound - Between Hwy 16 and Off Ramp (N-W)	G47	G47A	AUTO	1,662	1,929	2,240
			G47C	g24	1,261	1,464	1,699
			G47T	TRK	401	466	541
HWY 16	Southbound - Between On Ramp (N-E) and On Ramp (W-N/S)	G48	G48A	AUTO	1,105	1,283	1,490
			G48C	CAR	754	876	1,017
			G48T	TRK	351	408	473
HWY 401	Westbound - Between On Ramp (S-W) and On Ramp (N-W)	G49	G49A	AUTO	11,835	13,349	15,948
			G49C	CAR	7,473	8,431	10,069
			G49T	TRK	4,363	4,918	5,878
HWY 401	Eastbound - Between On Ramp (N-E) and On Ramp (S-E)	G50	G50A	AUTO	2,659	2,272	2,340
			G50C	CAR	2,004	1,715	1,768
			G50T	TRK	655	557	572
HWY 16	Southbound - From Hwy 401 Off Ramp (W-N/S) till end of study area	G51	G51A	AUTO	1,899	2,205	2,560
			G51C	CAR	1,429	1,659	1,926
			G51T	TRK	470	546	634
Edward St N	North of ramps/Development Dr- At the intersection of HWY 401 & Edward St (Northbound)	G52	G52A	AUTO	3,838	5,090	6,750
			G52C	CAR	3,646	4,835	6,413
			G52T	TRK	192	254	338
Edward St N	North of ramps/Development Dr-At the intersection of HWY 401 & Edward St (Southbound)	G53	G53A	AUTO	5,163	6,847	9,080
			G53C	CAR	4,904	6,504	8,626
			G53T	TRK	258	342	454
Signalized Vehicle Traffic Sources							
HWY 401 & Edward St	At the intersection of Edward St N and Hwy 401 - Westbound	G54	G54A	AUTO	2,852	4,071	5,810
			G54C	CAR	2,567	3,664	5,229
			G54T	TRK	285	407	581
HWY 401 & Edward St	At the intersection of Edward St N and Hwy 401 - Eastbound	G55	G55A	AUTO	2,685	3,833	5,470
			G55C	CAR	1,880	2,683	3,829
			G55T	TRK	806	1,150	1,641
HWY 401 & Edward St	At the intersection of Edward St N and Hwy 401 - Southbound	G56	G56A	AUTO	5,042	7,196	10,270
			G56C	CAR	4,790	6,836	9,757
			G56T	TRK	252	360	514
HWY 401 & Edward St	At the intersection of Edward St N and Hwy 401 - Northbound	G57	G57A	AUTO	6,991	9,977	14,240
			G57C	CAR	6,641	9,478	13,528
			G57T	TRK	350	499	712
FBO Ramps							
HWY 401 & Edward St	ON Ramp N-W	G58	G58A	AUTO			5,450
			G58C	CAR			4,088
			G58T	TRK			1,363
HWY 401 & Edward St	ON Ramp S-E	G59	G59A	AUTO			3,760
			G59C	CAR			2,820
			G59T	TRK			940
HWY 401 & Maitland Rd	On Ramp - Coming from County Rd 15 (Maitland Rd) (S-E)	G60	G60A	AUTO			580
			G60C	CAR			522
			G60T	TRK			58
HWY 401 & Maitland Rd	On Ramp - Coming from County Rd 15 (Maitland Rd) (N-E)	G61	G61A	AUTO			600
			G61C	CAR			540
			G61T	TRK			60
HWY 401 & Edward St	Between ON/OFF Ramps on HWY 401 - EB	G62	G62A	AUTO			24,857
			G62C	CAR			24,789
			G62T	TRK			68
HWY 401 & Edward St	Between ON/OFF Ramps on HWY 401 - WB	G63	G63A	AUTO			25,766
			G63C	CAR			25,156
			G63T	TRK			610

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Appendix F

AADT 24-hr Distribution Tables

AADT 24-HR Distribution Tables

		Edward St N	
AADT	Hour	Volume	Community %
12032	1	96	0.0080
	2	84	0.0070
	3	60	0.0050
	4	84	0.0070
	5	205	0.0170
	6	614	0.0510
	7	939	0.0780
	8	758	0.0630
	9	626	0.0520
	10	566	0.0470
	11	638	0.0530
	12	674	0.0560
	13	686	0.0570
	14	710	0.0590
	15	770	0.0640
	16	951	0.0790
	17	1023	0.0850
	18	710	0.0590
	19	469	0.0390
	20	397	0.0330
	21	337	0.0280
	22	277	0.0230
	23	205	0.0170
	24	144	0.0120
			100%

	2016	HWY 401	
ADDT	Hour	Volume	HWY %
27594	1	560	0.020
	2	367	0.013
	3	301	0.011
	4	328	0.012
	5	267	0.010
	6	351	0.013
	7	500	0.018
	8	777	0.028
	9	929	0.034
	10	1177	0.043
	11	1412	0.051
	12	1531	0.055
	13	1576	0.057
	14	1358	0.049
	15	1779	0.064
	16	2764	0.100
	17	2389	0.087
	18	1996	0.072
	19	1661	0.060
	20	1473	0.053
	21	1357	0.049
	22	1246	0.045
	23	922	0.033
	24	573	0.021
			100%

		County Rd 15	
AADT	Hour	Volume	Rural %
15290	1	229	0.01500
	2	199	0.01300
	3	199	0.01300
	4	229	0.01500
	5	275	0.01800
	6	382	0.02500
	7	535	0.03500
	8	642	0.04200
	9	765	0.05000
	10	826	0.05400
	11	856	0.05600
	12	872	0.05700
	13	979	0.06400
	14	1040	0.06800
	15	1116	0.07300
	16	1422	0.09300
	17	1070	0.07000
	18	841	0.05500
	19	719	0.04700
	20	581	0.03800
	21	489	0.03200
	22	398	0.02600
	23	352	0.02300
	24	275	0.01800
			100%

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Appendix G

Source ID Tables

Existing Conditions - Source Identification

Source ID	Source Type	Heavy Vehicle %	Source Description
G1	Free Flow	24.8%	HWY 401 Between Sharpe's Ln and County Rd 15 - EB
G2	Free Flow	24.8%	HWY 401 Between Sharpe's Ln and County Rd 15 - WB
G3	Free Flow	25.7%	HWY 401 Between ON/OFF Ramps on Maitland Rd - EB
G4	Free Flow	25.9%	HWY 401 Between ON/OFF Ramps on Maitland Rd - WB
G5	Free Flow	25.4%	HWY 401 Between County Rd 15 and Blue Church Rd - EB
G6	Free Flow	25.4%	HWY 401 Between County Rd 15 and Blue Church Rd - WB
G7	Free Flow	25.4%	HWY 401 Between Blue Church Rd and Edward St N - EB
G8	Free Flow	25.4%	HWY 401 Between Blue Church Rd and Edward St N - WB
G9	Free Flow	22.9%	HWY 401 Between ON/OFF Ramps - EB
G10	Free Flow	8.3%	HWY 401 Between ON/OFF Ramps - WB
G11	Free Flow	25.3%	HWY 401 Between Edward St N and Hwy 16 - EB
G12	Free Flow	25.3%	HWY 401 Between Edward St N and Hwy 16 - WB
G13	Free Flow	25.0%	HWY 401 Between Hwy 416 OFF Ramps - EB
G14	Free Flow	25.0%	HWY 401 After Hwy 416 ON Ramps - WB
G15	Free Flow	37.5%	HWY 401 Between HWY 16 and Rooney Rd (End of Boundary) - EB
G16	Free Flow	37.5%	HWY 401 Between HWY 16 and Rooney Rd (End of Boundary) - WB
G17	Free Flow	28.8%	HWY 401 Between Hwy 401 & Hwy 16 ON/OFF Ramps - EB
G18	Free Flow	37.6%	HWY 401 Between Hwy 16 Off Ramp (E-N) and Hwy 401 On Ramp (S-W)
G19	Free Flow	10.0%	HWY 401 & Maitland Rd Off Ramp - W-N/S to County Rd 15 (Maitland Rd)
G20	Free Flow	10.0%	HWY 401 & Maitland Rd On Ramp - Coming from County Rd 15 (Maitland Rd) (S-E)
G21	Free Flow	10.0%	HWY 401 & 2nd Concession Rd Off Ramp - HWY 401 East to 2nd Concession Rd
G22	Free Flow	10.0%	HWY 401 & 2nd Concession Rd On Ramp - 2nd Concession Rd to HWY 401 West
G23	Free Flow	10.0%	County Rd 15 At HWY 401 - NB/SB
G24	Free Flow	5.0%	Edward St N Between Hwy 401 ON/OFF Ramps - NB
G25	Free Flow	25.0%	Edward St N Between Hwy 401 ON/OFF Ramps - SB
G26	Free Flow	37.8%	HWY 401 & Edward St Off Ramp - W-N/S
G27	Free Flow	37.8%	HWY 401 & Edward St On Ramp - N/S-E
G28	Free Flow	37.8%	HWY 401 & Edward St Off Ramp - E-N/S
G29	Free Flow	11.0%	HWY 401 & Edward St On Ramp - N/S-W
G30	Free Flow	25.0%	Edward St N At the intersection of HWY 401 & Edward St (Northbound)
G31	Free Flow	5.0%	Edward St N At the intersection of HWY 401 & Edward St (Southbound)
G32	Free Flow	11.0%	HWY 401 & HWY 416 Off Ramp from HWY 401 EB to HWY 416
G33	Free Flow	11.0%	HWY 416 & HWY 401 On Ramp from HWY 416 to HWY 401 WB
G34	Free Flow	15.0%	HWY 401 & HWY 16 Off Ramp - West of Hwy 401 to North/South of Hwy 16 (W-N/S)
G35	Free Flow	15.0%	HWY 16 & HWY 401 On Ramp - North of Hwy 16 to West of Hwy 401 (N-W)
G36	Free Flow	20.0%	HWY 16 & HWY 401 ON Ramp - South of Hwy 16 to West of Hwy 401 (S-W)
G37	Free Flow	9.0%	HWY 16 & HWY 401 On Ramp - North of Hwy 16 to East of Hwy 401 (N-E)
G38	Free Flow	25.0%	HWY 401 & HWY 16 ON Ramp - East of Hwy 401 to North/South of Hwy 16 (E-N/S)
G39	Free Flow	36.0%	HWY 401 & HWY 16 ON Ramp - East of Hwy 401 to North of Hwy 16 (E-N)
G40	Free Flow	33.0%	HWY 16 & HWY 401 OFF Ramp - South of Hwy 16 to East of Hwy 401 (S-E)
G41	Free Flow	12.0%	HWY 16 Northbound Approach
G42	Free Flow	23.0%	HWY 16 Southbound Approach
G43	Free Flow	8.1%	HWY 16 Northbound Approach - Between Off Ramp (S-W) and Off Ramp (S-E)
G44	Free Flow	2.8%	HWY 16 Northbound Approach - Between On Ramp (E-N/S) and Off Ramp (S-W)
G45	Free Flow	12.1%	HWY 16 Northbound Approach - Between On Ramp (E-N/S) and On Ramp (E-N)
G46	Free Flow	13.0%	HWY 16 Northbound Approach - Between On Ramp (E-N) and Rooney Rd
G47	Free Flow	24.1%	HWY 16 Southbound - Between Hwy 16 and Off Ramp (N-W)
G48	Free Flow	31.8%	HWY 16 Southbound - Between On Ramp (N-E) and On Ramp (W-N/S)
G49	Free Flow	36.9%	HWY 401 Westbound - Between On Ramp (S-W) and On Ramp (N-W)
G50	Free Flow	24.6%	HWY 401 Eastbound - Between On Ramp (N-E) and On Ramp (S-E)
G51	Free Flow	24.8%	HWY 16 Southbound - From Hwy 401 Off Ramp (W-N/S) till end of study area
G52	Free Flow	5.0%	Edward St N North of ramps/Development Dr- At the intersection of HWY 401 & Edward St (Northbound)
G53	Free Flow	5.0%	Edward St N North of ramps/Development Dr-At the intersection of HWY 401 & Edward St (Southbound)
G54	Queue	10.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Westbound
G55	Queue	30.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Eastbound
G56	Queue	5.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Southbound
G57	Queue	5.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Northbound

Future No-Build Conditions - Source Identification

Source ID	Source Type	Heavy Vehicle %	Source Description
G1	Free Flow	24.8%	HWY 401 Between Sharpe's Ln and County Rd 15 - EB
G2	Free Flow	24.8%	HWY 401 Between Sharpe's Ln and County Rd 15 - WB
G3	Free Flow	25.7%	HWY 401 Between ON/OFF Ramps on Maitland Rd - EB
G4	Free Flow	25.9%	HWY 401 Between ON/OFF Ramps on Maitland Rd - WB
G5	Free Flow	25.4%	HWY 401 Between County Rd 15 and Blue Church Rd - EB
G6	Free Flow	25.4%	HWY 401 Between County Rd 15 and Blue Church Rd - WB
G7	Free Flow	25.4%	HWY 401 Between Blue Church Rd and Edward St N - EB
G8	Free Flow	25.4%	HWY 401 Between Blue Church Rd and Edward St N - WB
G9	Free Flow	22.9%	HWY 401 Between ON/OFF Ramps - EB
G10	Free Flow	8.3%	HWY 401 Between ON/OFF Ramps - WB
G11	Free Flow	25.3%	HWY 401 Between Edward St N and Hwy 16 - EB
G12	Free Flow	25.3%	HWY 401 Between Edward St N and Hwy 16 - WB
G13	Free Flow	25.0%	HWY 401 Between Hwy 416 OFF Ramps - EB
G14	Free Flow	25.0%	HWY 401 After Hwy 416 ON Ramps - WB
G15	Free Flow	37.5%	HWY 401 Between HWY 16 and Rooney Rd (End of Boundary) - EB
G16	Free Flow	37.5%	HWY 401 Between HWY 16 and Rooney Rd (End of Boundary) - WB
G17	Free Flow	28.8%	HWY 401 Between Hwy 401 & Hwy 16 ON/OFF Ramps - EB
G18	Free Flow	37.6%	HWY 401 Between Hwy 16 Off Ramp (E-N) and Hwy 401 On Ramp (S-W)
G19	Free Flow	10.0%	HWY 401 & Maitland Rd Off Ramp - W-N/S to County Rd 15 (Maitland Rd)
G20	Free Flow	10.0%	HWY 401 & Maitland Rd On Ramp - Coming from County Rd 15 (Maitland Rd) (S-E)
G21	Free Flow	10.0%	HWY 401 & 2nd Concession Rd Off Ramp - HWY 401 East to 2nd Concession Rd
G22	Free Flow	10.0%	HWY 401 & 2nd Concession Rd On Ramp - 2nd Concession Rd to HWY 401 West
G23	Free Flow	10.0%	County Rd 15 At HWY 401 - NB/SB
G24	Free Flow	5.0%	Edward St N Between Hwy 401 ON/OFF Ramps - NB
G25	Free Flow	25.0%	Edward St N Between Hwy 401 ON/OFF Ramps - SB
G26	Free Flow	37.8%	HWY 401 & Edward St Off Ramp - W-N/S
G27	Free Flow	37.8%	HWY 401 & Edward St On Ramp - N/S-E
G28	Free Flow	37.8%	HWY 401 & Edward St Off Ramp - E-N/S
G29	Free Flow	11.0%	HWY 401 & Edward St On Ramp - N/S-W
G30	Free Flow	25.0%	Edward St N At the intersection of HWY 401 & Edward St (Northbound)
G31	Free Flow	5.0%	Edward St N At the intersection of HWY 401 & Edward St (Southbound)
G32	Free Flow	11.0%	HWY 401 & HWY 416 Off Ramp from HWY 401 EB to HWY 416
G33	Free Flow	11.0%	HWY 416 & HWY 401 On Ramp from HWY 416 to HWY 401 WB
G34	Free Flow	15.0%	HWY 401 & HWY 16 Off Ramp - West of Hwy 401 to North/South of Hwy 16 (W-N/S)
G35	Free Flow	15.0%	HWY 16 & HWY 401 On Ramp - North of Hwy 16 to West of Hwy 401 (N-W)
G36	Free Flow	20.0%	HWY 16 & HWY 401 ON Ramp - South of Hwy 16 to West of Hwy 401 (S-W)
G37	Free Flow	9.0%	HWY 16 & HWY 401 On Ramp - North of Hwy 16 to East of Hwy 401 (N-E)
G38	Free Flow	25.0%	HWY 401 & HWY 16 ON Ramp - East of Hwy 401 to North/South of Hwy 16 (E-N/S)
G39	Free Flow	36.0%	HWY 401 & HWY 16 ON Ramp - East of Hwy 401 to North of Hwy 16 (E-N)
G40	Free Flow	33.0%	HWY 16 & HWY 401 OFF Ramp - South of Hwy 16 to East of Hwy 401 (S-E)
G41	Free Flow	12.0%	HWY 16 Northbound Approach
G42	Free Flow	23.0%	HWY 16 Southbound Approach
G43	Free Flow	8.1%	HWY 16 Northbound Approach - Between Off Ramp (S-W) and Off Ramp (S-E)
G44	Free Flow	2.8%	HWY 16 Northbound Approach - Between On Ramp (E-N/S) and Off Ramp (S-W)
G45	Free Flow	12.1%	HWY 16 Northbound Approach - Between On Ramp (E-N/S) and On Ramp (E-N)
G46	Free Flow	13.0%	HWY 16 Northbound Approach - Between On Ramp (E-N) and Rooney Rd
G47	Free Flow	24.1%	HWY 16 Southbound - Between Hwy 16 and Off Ramp (N-W)
G48	Free Flow	31.8%	HWY 16 Southbound - Between On Ramp (N-E) and On Ramp (W-N/S)
G49	Free Flow	36.9%	HWY 401 Westbound - Between On Ramp (S-W) and On Ramp (N-W)
G50	Free Flow	24.6%	HWY 401 Eastbound - Between On Ramp (N-E) and On Ramp (S-E)
G51	Free Flow	24.8%	HWY 16 Southbound - From Hwy 401 Off Ramp (W-N/S) till end of study area
G52	Free Flow	5.0%	Edward St N North of ramps/Development Dr- At the intersection of HWY 401 & Edward St (Northbound)
G53	Free Flow	5.0%	Edward St N North of ramps/Development Dr-At the intersection of HWY 401 & Edward St (Southbound)
G54	Queue	10.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Westbound
G55	Queue	30.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Eastbound
G56	Queue	5.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Southbound
G57	Queue	5.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Northbound

Future Build Conditions - Source Identification

Source ID	Source Type	Heavy Vehicle %	Source Description
G1	Free Flow	24.8%	HWY 401 Between Sharpe's Ln and County Rd 15 - EB
G2	Free Flow	24.8%	HWY 401 Between Sharpe's Ln and County Rd 15 - WB
G3	Free Flow	26.0%	HWY 401 Between ON/OFF Ramps on Maitland Rd - EB
G4	Free Flow	26.0%	HWY 401 Between ON/OFF Ramps on Maitland Rd - WB
G5	Free Flow	25.4%	HWY 401 Between County Rd 15 and Blue Church Rd - EB
G6	Free Flow	25.4%	HWY 401 Between County Rd 15 and Blue Church Rd - WB
G7	Free Flow	25.4%	HWY 401 Between Blue Church Rd and Edward St N - EB
G8	Free Flow	25.4%	HWY 401 Between Blue Church Rd and Edward St N - WB
G9	Free Flow	25.5%	HWY 401 Between ON/OFF Ramps - EB
G10	Free Flow	8.3%	HWY 401 Between ON/OFF Ramps - WB
G11	Free Flow	25.3%	HWY 401 Between Edward St N and Hwy 16 - EB
G12	Free Flow	25.3%	HWY 401 Between Edward St N and Hwy 16 - WB
G13	Free Flow	25.0%	HWY 401 Between Hwy 416 OFF Ramps - EB
G14	Free Flow	25.0%	HWY 401 After Hwy 416 ON Ramps - WB
G15	Free Flow	37.5%	HWY 401 Between HWY 16 and Rooney Rd (End of Boundary) - EB
G16	Free Flow	37.5%	HWY 401 Between HWY 16 and Rooney Rd (End of Boundary) - WB
G17	Free Flow	31.7%	HWY 401 Between Hwy 401 & Hwy 16 ON/OFF Ramps - EB
G18	Free Flow	37.6%	HWY 401 Between Hwy 16 Off Ramp (E-N) and Hwy 401 On Ramp (S-W)
G19	Free Flow	10.0%	HWY 401 & Maitland Rd Off Ramp - W-N/S to County Rd 15 (Maitland Rd)
G20	Free Flow	-	HWY 401 & Maitland Rd On Ramp - Coming from County Rd 15 (Maitland Rd) (S-E)
G21	Free Flow	10.0%	HWY 401 & 2nd Concession Rd Off Ramp - HWY 401 East to 2nd Concession Rd
G22	Free Flow	10.0%	HWY 401 & 2nd Concession Rd On Ramp - 2nd Concession Rd to HWY 401 West
G23	Free Flow	10.0%	County Rd 15 At HWY 401 - NB/SB
G24	Free Flow	5.0%	Edward St N Between Hwy 401 ON/OFF Ramps - NB
G25	Free Flow	25.0%	Edward St N Between Hwy 401 ON/OFF Ramps - SB
G26	Free Flow	25.0%	HWY 401 & Edward St Off Ramp - W-N/S
G27	Free Flow	25.0%	HWY 401 & Edward St On Ramp - N/S-E
G28	Free Flow	25.0%	HWY 401 & Edward St Off Ramp - E-N/S
G29	Free Flow	11.0%	HWY 401 & Edward St On Ramp - N/S-W
G30	Free Flow	25.0%	Edward St N At the intersection of HWY 401 & Edward St (Northbound)
G31	Free Flow	5.0%	Edward St N At the intersection of HWY 401 & Edward St (Southbound)
G32	Free Flow	11.0%	HWY 401 & HWY 416 Off Ramp from HWY 401 EB to HWY 416
G33	Free Flow	11.0%	HWY 416 & HWY 401 On Ramp from HWY 416 to HWY 401 WB
G34	Free Flow	15.0%	HWY 401 & HWY 16 Off Ramp - West of Hwy 401 to North/South of Hwy 16 (W-N/S)
G35	Free Flow	15.0%	HWY 16 & HWY 401 On Ramp - North of Hwy 16 to West of Hwy 401 (N-W)
G36	Free Flow	20.0%	HWY 16 & HWY 401 ON Ramp - South of Hwy 16 to West of Hwy 401 (S-W)
G37	Free Flow	9.0%	HWY 16 & HWY 401 On Ramp - North of Hwy 16 to East of Hwy 401 (N-E)
G38	Free Flow	25.0%	HWY 401 & HWY 16 ON Ramp - East of Hwy 401 to North/South of Hwy 16 (E-N/S)
G39	Free Flow	36.0%	HWY 401 & HWY 16 ON Ramp - East of Hwy 401 to North of Hwy 16 (E-N)
G40	Free Flow	33.0%	HWY 16 & HWY 401 OFF Ramp - South of Hwy 16 to East of Hwy 401 (S-E)
G41	Free Flow	12.0%	HWY 16 Northbound Approach
G42	Free Flow	23.0%	HWY 16 Southbound Approach
G43	Free Flow	8.1%	HWY 16 Northbound Approach - Between Off Ramp (S-W) and Off Ramp (S-E)
G44	Free Flow	2.8%	HWY 16 Northbound Approach - Between On Ramp (E-N/S) and Off Ramp (S-W)
G45	Free Flow	12.1%	HWY 16 Northbound Approach - Between On Ramp (E-N/S) and On Ramp (E-N)
G46	Free Flow	13.0%	HWY 16 Northbound Approach - Between On Ramp (E-N) and Rooney Rd
G47	Free Flow	24.1%	HWY 16 Southbound - Between Hwy 16 and Off Ramp (N-W)
G48	Free Flow	31.8%	HWY 16 Southbound - Between On Ramp (N-E) and On Ramp (W-N/S)
G49	Free Flow	36.9%	HWY 401 Westbound - Between On Ramp (S-W) and On Ramp (N-W)
G50	Free Flow	24.4%	HWY 401 Eastbound - Between On Ramp (N-E) and On Ramp (S-E)
G51	Free Flow	24.8%	HWY 16 Southbound - From Hwy 401 Off Ramp (W-N/S) till end of study area
G52	Free Flow	5.0%	Edward St N North of ramps/Development Dr- At the intersection of HWY 401 & Edward St (Northbound)
G53	Free Flow	5.0%	Edward St N North of ramps/Development Dr-At the intersection of HWY 401 & Edward St (Southbound)
G54	Queue	10.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Westbound
G55	Queue	30.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Eastbound
G56	Queue	5.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Southbound
G57	Queue	5.0%	HWY 401 & Edward St At the intersection of Edward St N and Hwy 401 - Northbound
G58	Free Flow	25.0%	HWY 401 & Edward St ON Ramp N-W
G59	Free Flow	25.0%	HWY 401 & Edward St ON Ramp S-E
G60	Free Flow	10.0%	HWY 401 & Maitland Rd On Ramp - Coming from County Rd 15 (Maitland Rd) (S-E)
G61	Free Flow	10.0%	HWY 401 & Maitland Rd On Ramp - Coming from County Rd 15 (Maitland Rd) (N-E)
G62	Free Flow	0.3%	HWY 401 & Edward St Between ON/OFF Ramps on HWY 401 - EB
G63	Free Flow	2.4%	HWY 401 & Edward St Between ON/OFF Ramps on HWY 401 - WB

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Appendix H

OLM Calculations at Sensitive and Critical Receptors

OLM Method for NOx conversion to NO2

MW	46.0055

Table F-1: Conversion of atmospheric NOx to NO_2 using the OLM Method: Maximum Concentration

Modelling Scenario	Averaging Period (hr)	Modelled NOx Concentration (ppb)	Background O_3 Concentration (ppb)	OLM NO_2 Concentration (ppb)	OLM NO_2 Concentration ($\mu g/m^3$)	Receptor Location at Max Concentration
Existing Conditions	1	284	40.0	68.4	135	SR63
	24	48.4	36.6	41.5	82.1	SR38
	Annual	15.4	25.9	15.4	30.5	SR21
Future No-Build	1	58.3	40.0	45.8	90.7	SR68
	24	12.3	36.6	12.3	24.3	SR68
	Annual	2.03	25.9	2.03	4.02	SR68
Future Build	1	159	40.0	55.9	111	SR30
	24	27.2	36.6	27.2	53.8	SR47
	Annual	7.68	25.9	7.68	15.2	SR31

Table F-2: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 68

Modelling Scenario	Averaging Period (hr)	Modelled NOx Concentration (ppb)	Background O_3 Concentration (ppb)	OLM NO_2 Concentration (ppb)	OLM NO_2 Concentration ($\mu g/m^3$)	Receptor ID
Existing Conditions	1	139	40.0	53.9	107	SR68
	24	34.9	36.6	34.9	69.2	SR68
	Annual	7.48	25.9	7.48	14.8	SR68
Future No-Build	1	58.3	40.0	45.8	90.7	SR68
	24	12.3	36.6	12.3	24.3	SR68
	Annual	2.03	25.9	2.03	4.02	SR68
Future Build	1	79.7	40.0	48.0	95.0	SR68
	24	9.50	36.6	9.50	18.8	SR68
	Annual	2.72	25.9	2.72	5.39	SR68

Table F-3: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 38

Modelling Scenario	Averaging Period (hr)	Modelled NOx Concentration (ppb)	Background O_3 Concentration (ppb)	OLM NO_2 Concentration (ppb)	OLM NO_2 Concentration ($\mu g/m^3$)	Receptor ID
Existing Conditions	1	243	40.0	64.3	127	SR38
	24	48.4	36.6	41.5	82.1	SR38
	Annual	13.4	25.9	13.4	26.6	SR38
Future No-Build	1	34.4	40.0	34.4	68.2	SR38
	24	6.86	36.6	6.86	13.6	SR38
	Annual	1.91	25.9	1.91	3.77	SR38
Future Build	1	127	40.0	52.7	104	SR38
	24	26.0	36.6	26.0	51.5	SR38
	Annual	7.31	25.9	7.31	14.5	SR38

Table F-3: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 30

Modelling Scenario	Averaging Period (hr)	Modelled NOx Concentration (ppb)	Background O_3 Concentration (ppb)	OLM NO_2 Concentration (ppb)	OLM NO_2 Concentration ($\mu g/m^3$)	Receptor ID
Existing Conditions	1	258	40.0	65.8	130	SR30
	24	43.9	36.6	41.0	81.2	SR30
	Annual	10.7	25.9	10.7	21.2	SR30
Future No-Build	1	36.6	40.0	36.6	72.4	SR30
	24	6.15	36.6	6.15	12.2	SR30
	Annual	1.46	25.9	1.46	2.89	SR30
Future Build	1	159	40.0	55.9	111	SR30
	24	27.2	36.6	27.2	53.8	SR30
	Annual	7.68	25.9	7.68	15.2	SR30

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Appendix I

Maximum Concentrations at Sensitive and Critical Receptors

2021 - Existing Conditions

Carbon Monoxide (CO)

Conversion Factor: 1
MW 28.01

	First Highest 1-Hour Average (ppm)					5-year Maximum	
	2018	2019	2020	2021	2022		
Receptor ID						ppm	(µg/m^3)
SR1	0.4862798	0.6157888	0.6386252	0.8312549	0.7420192	0.8312549	1002.09920
SR2	0.5083363	0.6203315	0.6373006	0.8470359	0.7475032	0.8470359	1021.12360
SR3	0.5388684	0.5678056	0.5896342	0.8084441	0.7088285	0.8084441	974.60019
SR4	0.6104014	0.766054	0.8008133	1.0358	0.922455	1.0358	1248.68358
SR5	0.6601495	0.8413174	0.8823081	1.1289216	1.0127826	1.1289216	1360.94407
SR6	0.7051735	0.6515974	0.7712417	0.9521904	0.8495929	0.9521904	1147.89006
SR7	0.913672	1.1009556	1.1501572	1.502985	1.3243526	1.502985	1811.88714
SR8	0.6817815	0.7333622	0.7235839	0.8671679	0.8686162	0.8686162	1047.13921
SR9	1.0225018	1.0964638	1.4070323	1.2342476	1.1397429	1.4070323	1696.21368
SR10	1.0459526	1.3082743	1.3278991	1.230419	1.2759596	1.3278991	1600.81657
SR11	0.8918708	0.944082	0.9782354	0.9432549	1.3551803	1.3551803	1633.70476
SR12	1.0260001	1.1674396	0.9856711	1.259038	1.4785283	1.4785283	1782.40395
SR13	0.9993783	1.1371474	0.9271078	1.2459351	1.4023941	1.4023941	1690.62221
SR14	0.8801087	0.8894946	0.7567282	0.8894946	1.0691224	1.0691224	1288.85459
SR15	0.7502227	0.7770582	0.750694	0.8659301	1.000939	1.000939	1206.65775
SR16	0.6545733	0.6888455	0.6574911	0.7647577	0.9123468	0.9123468	1099.85757
SR17	0.6191718	0.6164722	0.658596	0.8036328	0.9114779	0.9114779	1098.81009
SR18	0.5580682	0.5327581	0.5752645	0.6807851	0.8019675	0.8019675	966.79248
SR19	0.8455452	1.0650429	1.2923366	1.0933417	0.9752231	1.2923366	1557.94506
SR20	0.951555	1.3018519	1.5373001	1.3011121	1.0982519	1.5373001	1853.25487
SR21	1.1657915	1.5281795	1.6641051	1.4086808	1.1963869	1.6641051	2006.12157
SR22	0.8005136	0.7951413	0.7035707	0.8005136	0.9615726	0.9615726	1159.20054
SR23	1.2317202	1.1864705	1.082577	1.2317202	1.4347879	1.4347879	1729.67378
SR24	0.6135446	0.6481881	0.667386	0.825897	0.7111124	0.825897	995.64011
SR25	0.6698337	0.7711042	0.8199544	0.779219	1.0001853	1.0001853	1205.74914
SR26	0.9314954	1.0784121	0.9683201	1.1698941	1.3631697	1.3631697	1643.33619
SR27	1.0503453	1.2047838	1.0646816	1.3808593	1.395551	1.395551	1682.37268
SR28	1.1418589	1.1050016	1.0035943	1.1418589	1.3362706	1.3362706	1610.90863
SR29	0.994897	1.1392195	1.1172674	1.407402	1.3032675	1.407402	1696.65937
SR30	1.261095	1.2145176	1.1083962	1.261095	1.4687046	1.4687046	1770.56123
SR31	0.9495314	1.0678867	1.1405201	1.4375973	1.2412699	1.4375973	1733.06058
SR32	0.8168802	0.8530152	0.9499837	1.1381854	1.0074538	1.1381854	1372.11182
SR33	0.7960298	0.8444625	0.9292681	1.0986626	0.982513	1.0986626	1324.46607
SR34	0.7926913	0.8719341	0.9329941	1.0893041	0.9811311	1.0893041	1313.18415
SR35	0.8835059	1.0334588	1.0542852	1.2534795	1.1729617	1.2534795	1511.10183
SR36	0.8691831	1.0429962	1.0679345	1.2314414	1.1918026	1.2314414	1484.53433
SR37	0.8908728	1.0860419	1.1173462	1.2704015	1.2587339	1.2704015	1531.50174
SR38	0.9723134	1.1780514	1.219846	1.3749197	1.3999192	1.3999192	1687.63866
SR39	0.9620189	1.1651036	1.2069284	1.3523529	1.383909	1.383909	1668.33795
SR40	0.9057093	1.1050611	1.1427283	1.2687232	1.2977875	1.2977875	1564.51626
SR41	0.9360341	1.1239569	1.1690446	1.2580061	1.3428481	1.3428481	1618.83798
SR42	0.7455645	0.9224948	0.9485312	1.0600209	1.0380327	1.0600209	1277.88250
SR43	0.668893	0.8248544	0.8446841	0.9476722	0.8988797	0.9476722	1142.44325
SR44	0.911205	1.0823454	1.1311733	1.2004422	1.3046695	1.3046695	1572.81269
SR45	0.8755852	1.0395715	1.0875931	1.1456158	1.2505996	1.2505996	1507.63003
SR46	0.9702724	1.1265981	1.1856428	1.2242628	1.3977385	1.3977385	1685.00977
SR47	1.0054991	1.1577474	1.2211759	1.2490437	1.4527225	1.4527225	1751.29440
SR48	0.8969097	1.0470915	1.101418	1.1177896	1.2849928	1.2849928	1549.09192
SR49	0.866463	1.0057409	1.0604483	0.9861113	1.2401327	1.2401327	1495.01192
SR50	0.9844649	1.1046754	1.1750194	1.0295081	1.4279133	1.4279133	1721.38627
SR51	0.944576	1.0214179	1.1033429	0.944576	1.3779273	1.3779273	1661.12686
SR52	0.9182835	0.9842532	1.0664345	0.9182835	1.341747	1.341747	1617.51057
SR53	0.9404637	0.9919372	1.0785308	0.9404637	1.384313	1.384313	1668.82498
SR54	0.8795076	0.9047474	0.9603457	0.8196329	1.188078	1.188078	1432.25864
SR55	0.8050733	0.8246589	0.8034209	0.7018019	0.9076471	0.9076471	1094.19196
SR56	0.7644044	0.7296815	0.6712577	0.5922204	0.7599198	0.7644044	921.50920
SR57	0.6535738	0.5572029	0.5794411	0.736238	0.5746356	0.736238	887.55388
SR58	0.9008279	0.9023288	0.7191989	0.9078643	1.0232038	1.0232038	1233.49854

2021 - Existing Conditions

SR59	1.0806096	0.9575815	0.8982977	1.2367086	1.3182082	1.3182082	1589.13394
SR60	1.0402659	0.9402192	0.8947745	1.2318548	1.29431	1.29431	1560.32405
SR61	0.9444776	1.0754787	0.969322	1.3344022	1.2435302	1.3344022	1608.65623
SR62	1.33204	0.9980192	0.9080256	0.9980192	0.9211242	1.33204	1605.80853
SR63	1.6181755	1.0763292	0.9792734	1.0763292	1.1233696	1.6181755	1950.75225
SR64	1.3205782	1.0307441	1.0307441	1.1242189	1.0033194	1.3205782	1591.99104
SR65	1.2972951	0.845142	0.768933	0.857882	0.8976523	1.2972951	1563.92266
SR66	1.1982852	0.8251446	0.750739	0.8251446	0.8268399	1.1982852	1444.56368
SR67	0.9832219	0.7275648	0.6619583	0.7323264	0.744202	0.9832219	1185.29933
SR68	0.9072895	0.9842079	0.8072403	0.875017	1.0107979	1.0107979	1218.54291
SR69	0.9113714	0.9383921	0.9678954	0.8044488	1.1222204	1.1222204	1352.86560
SR70	0.3632649	0.3823997	0.2947072	0.4025068	0.420563	0.420563	506.99953
SR71	0.5022812	0.4972148	0.4130491	0.5785506	0.598453	0.598453	721.45051
SR72	0.2962143	0.291118	0.2572973	0.2865982	0.3097864	0.3097864	373.45549
SR73	0.3385205	0.2884106	0.2690328	0.3403668	0.3867205	0.3867205	466.20153
SR74	0.3181941	0.2858654	0.2549694	0.2858654	0.3181941	0.3181941	383.59118
CR1	0.5644388	0.5051292	0.5465098	0.5387316	0.6291714	0.6291714	758.48233
CR2	0.4602402	0.3356816	0.3570516	0.3641028	0.3071521	0.4602402	554.83142

Maximum : 2006.122 SR21

First Highest 8-Hour Average (ppm)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.238556988	0.192411575	0.202470538	0.2480237	0.2348958	0.2480237	298.99896
SR2	0.23041795	0.195725088	0.197974325	0.24968975	0.233895313	0.24968975	301.00743
SR3	0.2062133	0.193309163	0.1839909	0.2505424	0.21114585	0.2505424	302.03532
SR4	0.232337325	0.242971138	0.2261272	0.294724788	0.256051938	0.294724788	355.29832
SR5	0.233975188	0.267541588	0.24562955	0.319820875	0.2803531	0.319820875	385.55230
SR6	0.210533225	0.260425975	0.251420688	0.344816325	0.25047955	0.344816325	415.68496
SR7	0.284670413	0.366631038	0.333819063	0.438633613	0.3675824	0.438633613	528.78412
SR8	0.236281825	0.2616108	0.279897225	0.3631883	0.271496813	0.3631883	437.83285
SR9	0.419536188	0.364545575	0.4904553	0.402464063	0.421963588	0.4904553	591.25650
SR10	0.434757113	0.37977335	0.66611605	0.43085375	0.4444512	0.66611605	803.02006
SR11	0.376527325	0.358619338	0.63525705	0.37441235	0.415668338	0.63525705	765.81874
SR12	0.4080872	0.404229313	0.686034638	0.4132065	0.460642163	0.686034638	827.03243
SR13	0.391437838	0.393083613	0.6537951	0.416734363	0.443319325	0.6537951	788.16684
SR14	0.299623425	0.395355213	0.3528108	0.374622788	0.47722345	0.47722345	575.30516
SR15	0.288587975	0.37369205	0.356337213	0.35908365	0.442824538	0.442824538	533.83639
SR16	0.264147538	0.331417213	0.324393575	0.322604725	0.396140575	0.396140575	477.55767
SR17	0.251027388	0.3165754	0.318047338	0.31204815	0.36819325	0.36819325	443.86645
SR18	0.222567988	0.272285963	0.2828174	0.268809913	0.31663945	0.31663945	381.71701
SR19	0.473463788	0.375439863	0.427371125	0.454578163	0.454093863	0.473463788	570.77279
SR20	0.513012338	0.429385613	0.496093188	0.522987638	0.518667325	0.522987638	630.47507
SR21	0.554666363	0.467916975	0.537001863	0.5858924	0.57830795	0.5858924	706.30838
SR22	0.391299313	0.335070488	0.29846695	0.312602475	0.3888876	0.391299313	471.72140
SR23	0.351816088	0.5001954	0.392030613	0.462883988	0.552054138	0.552054138	665.51548
SR24	0.342675625	0.275461875	0.3383899	0.335396438	0.315067613	0.342675625	413.10429
SR25	0.349821513	0.375287325	0.527225063	0.3648446	0.387241663	0.527225063	635.58339
SR26	0.437798763	0.459508063	0.678328225	0.45806735	0.473466488	0.678328225	817.74215
SR27	0.438274238	0.465088425	0.668661275	0.467268313	0.470660563	0.668661275	806.08839
SR28	0.353718263	0.458419188	0.354615625	0.427306988	0.512645238	0.512645238	618.00704
SR29	0.424508063	0.45174945	0.659672438	0.4933853	0.468129088	0.659672438	795.25212
SR30	0.373442725	0.53867625	0.394783213	0.474499125	0.566065875	0.566065875	682.40699
SR31	0.447034725	0.43918755	0.6612676	0.505251513	0.492654838	0.6612676	797.17513
SR32	0.386915088	0.355850338	0.552595863	0.410913475	0.411147725	0.552595863	666.16855
SR33	0.376724813	0.345270738	0.539206175	0.399858375	0.399569538	0.539206175	650.02693
SR34	0.377455075	0.344932513	0.545308375	0.400308225	0.400238525	0.545308375	657.38329
SR35	0.4341456	0.397180663	0.644778113	0.458392713	0.463278425	0.644778113	777.29662
SR36	0.432333338	0.393924275	0.64850835	0.455757913	0.460672825	0.64850835	781.79352
SR37	0.447758763	0.407655188	0.677701875	0.471489713	0.477928625	0.677701875	816.98707
SR38	0.48451755	0.4417508	0.742434863	0.510027238	0.519453038	0.742434863	895.02435
SR39	0.478319175	0.4357914	0.733405713	0.503476388	0.512467413	0.733405713	884.13948

2021 - Existing Conditions

SR40	0.452617375	0.4113963	0.691340688	0.476347225	0.483202238	0.691340688	833.42901
SR41	0.457615338	0.415523475	0.706262925	0.481282313	0.488705663	0.706262925	851.41815
SR42	0.373921025	0.3361708	0.563845963	0.395267113	0.393980788	0.563845963	679.73083
SR43	0.33112935	0.298124788	0.4946398	0.354028525	0.346917375	0.4946398	596.30102
SR44	0.437723963	0.39667075	0.680486663	0.460480625	0.466175263	0.680486663	820.34420
SR45	0.418982638	0.379129125	0.6518681	0.44136695	0.445226638	0.6518681	785.84379
SR46	0.455670913	0.413711388	0.717154988	0.478830213	0.487136238	0.717154988	864.54881
SR47	0.46880535	0.426306838	0.741067575	0.492386088	0.502402075	0.741067575	893.37605
SR48	0.4217104	0.381928875	0.6620915	0.442756625	0.44885535	0.6620915	798.16836
SR49	0.4041064	0.36529685	0.636493275	0.412775963	0.429479	0.636493275	767.30904
SR50	0.431776475	0.395968288	0.702272363	0.418844963	0.4657499	0.702272363	846.60742
SR51	0.3914108	0.362619125	0.657224288	0.40534035	0.423571563	0.657224288	792.30081
SR52	0.380181288	0.35196225	0.638990038	0.400048438	0.411391488	0.638990038	770.31895
SR53	0.392238063	0.362280788	0.658872075	0.4155828	0.423661763	0.658872075	794.28726
SR54	0.342664213	0.314342413	0.571809763	0.361249725	0.367833638	0.571809763	689.33140
SR55	0.280745088	0.254408938	0.45515665	0.274565063	0.29557895	0.45515665	548.70307
SR56	0.229151588	0.205318213	0.353905425	0.19878575	0.237237388	0.353905425	426.64211
SR57	0.186932013	0.160661288	0.246976438	0.157206338	0.178339425	0.246976438	297.73646
SR58	0.26440605	0.357665025	0.218810925	0.20059335	0.2046353	0.357665025	431.17440
SR59	0.293495038	0.313977175	0.254460513	0.23147235	0.243727363	0.313977175	378.50757
SR60	0.28457515	0.286656038	0.25356395	0.226348038	0.236083575	0.286656038	345.57124
SR61	0.2843274	0.21577285	0.32211645	0.237148638	0.22502275	0.32211645	388.31968
SR62	0.375036063	0.3640767	0.325822388	0.323001125	0.4320668	0.4320668	520.86766
SR63	0.4990384	0.379018225	0.343656775	0.3866338	0.437094738	0.4990384	601.60365
SR64	0.538601725	0.367288875	0.29780795	0.383214788	0.408896563	0.538601725	649.29825
SR65	0.402033813	0.313702238	0.28768795	0.346600813	0.369684763	0.402033813	484.66212
SR66	0.319956213	0.301033425	0.280852875	0.30891215	0.360755663	0.360755663	434.90024
SR67	0.268699463	0.3546467	0.351933013	0.351098475	0.432151138	0.432151138	520.96933
SR68	0.415304888	0.3565891	0.395901263	0.3268495	0.409459838	0.415304888	500.66074
SR69	0.2517184	0.2487519	0.37126045	0.302905263	0.355798675	0.37126045	447.56404
SR70	0.132146013	0.158954463	0.179462738	0.114957113	0.125889513	0.179462738	216.34695
SR71	0.193005825	0.220976438	0.240562988	0.143358225	0.165442625	0.240562988	290.00488
SR72	0.072255338	0.088477088	0.077270988	0.072884013	0.087647988	0.088477088	106.66141
SR73	0.099734563	0.105947638	0.132498588	0.0981892	0.098956113	0.132498588	159.73046
SR74	0.100560863	0.112358525	0.086181825	0.089778188	0.090617088	0.112358525	135.45110
CR1	0.311119313	0.230402325	0.2230476	0.241695938	0.22563725	0.311119313	375.06235
CR2	0.2112578	0.167263963	0.1513072	0.14895075	0.152090613	0.2112578	254.67672

Maximum : **895.024** **SR38**

Nitrogen Oxides (NOx)

Conversion Factor: 1

	First Highest 1-Hour Average (ppm)						
	2018	**2019**	**2020**	**2021**	**2022**	**5-year Maximum**	
Receptor ID						**ppm**	**ppb**
SR1	0.0859216	0.1093365	0.1131745	0.1435608	0.1296046	0.1435608	143.5608
SR2	0.0898391	0.1101468	0.1129347	0.1463057	0.1305661	0.1463057	146.3057
SR3	0.0952761	0.1008155	0.104277	0.1396198	0.1236386	0.1396198	139.6198
SR4	0.1079743	0.1360816	0.1420029	0.1790799	0.1612386	0.1790799	179.0799
SR5	0.1168252	0.1494914	0.156504	0.1952639	0.1770946	0.1952639	195.2639
SR6	0.1247984	0.1157038	0.1361036	0.1645027	0.1479101	0.1645027	164.5027
SR7	0.1619879	0.1957823	0.2041914	0.2603559	0.2318261	0.2603559	260.3559
SR8	0.1171983	0.1261084	0.1275199	0.1496447	0.149339	0.1496447	149.6447
SR9	0.1801398	0.1930202	0.2440602	0.2154908	0.1976969	0.2440602	244.0602
SR10	0.1866344	0.2284154	0.2318417	0.2148224	0.2227734	0.2318417	231.8417
SR11	0.1591408	0.16483	0.1707929	0.1636146	0.2350661	0.2350661	235.0661
SR12	0.1807561	0.2038266	0.1744093	0.2183895	0.2564617	0.2564617	256.4617
SR13	0.176066	0.1985379	0.1654283	0.2161167	0.2432557	0.2432557	243.2557
SR14	0.1396315	0.14121	0.1221208	0.14121	0.1689747	0.1689747	168.9747
SR15	0.1148661	0.1194358	0.0999669	0.1194358	0.1427336	0.1427336	142.7336
SR16	0.0989221	0.10484	0.0859315	0.10484	0.1252419	0.1252419	125.2419
SR17	0.0848174	0.0918371	0.0771166	0.0918371	0.1096132	0.1096132	109.6132
SR18	0.0682096	0.0789217	0.0679471	0.0773724	0.0923761	0.0923761	92.3761
SR19	0.0936638	0.1162025	0.1389978	0.1183045	0.1098244	0.1389978	138.9978

2021 - Existing Conditions

SR20	0.1043392	0.1407721	0.1638184	0.1395142	0.1230066	0.1638184	163.8184
SR21	0.1189595	0.1644537	0.1766061	0.1504447	0.128185	0.1766061	176.6061
SR22	0.1415191	0.1405861	0.1254995	0.1415191	0.1689152	0.1689152	168.9152
SR23	0.2177728	0.2097837	0.1931231	0.2177728	0.2520545	0.2520545	252.0545
SR24	0.085716	0.0943903	0.0988889	0.1315681	0.1151705	0.1315681	131.5681
SR25	0.1092116	0.1210085	0.1294506	0.1371977	0.1573236	0.1573236	157.3236
SR26	0.1516446	0.1728616	0.1541688	0.185328	0.2177387	0.2177387	217.7387
SR27	0.1772684	0.2008617	0.1919118	0.2359286	0.2297887	0.2359286	235.9286
SR28	0.2018827	0.1953782	0.1790314	0.2018827	0.2347465	0.2347465	234.7465
SR29	0.1692181	0.1915354	0.201407	0.2483045	0.2172561	0.2483045	248.3045
SR30	0.2229674	0.2147432	0.1977296	0.2229674	0.2580133	0.2580133	258.0133
SR31	0.1596114	0.1887897	0.205604	0.2536393	0.2143196	0.2536393	253.6393
SR32	0.1403651	0.1538856	0.1675994	0.2007105	0.1791698	0.2007105	200.7105
SR33	0.1368578	0.149345	0.1626556	0.1937274	0.1747175	0.1937274	193.7274
SR34	0.1365333	0.1509704	0.161825	0.1920726	0.1744643	0.1920726	192.0726
SR35	0.1529457	0.1799232	0.1838446	0.2210851	0.2017922	0.2210851	221.0851
SR36	0.151076	0.1818998	0.1861046	0.2171914	0.205493	0.2171914	217.1914
SR37	0.1565647	0.1896525	0.1949877	0.2240786	0.2174133	0.2240786	224.0786
SR38	0.1735865	0.2060405	0.2132356	0.2425507	0.2423367	0.2425507	242.5507
SR39	0.1717707	0.2038083	0.211009	0.2385618	0.2395957	0.2395957	239.5957
SR40	0.161643	0.1932502	0.1997152	0.2237836	0.224549	0.224549	224.549
SR41	0.1673474	0.1968557	0.2046514	0.2218969	0.2328153	0.2328153	232.8153
SR42	0.1314333	0.161208	0.1656326	0.1866885	0.1793074	0.1866885	186.6885
SR43	0.1192854	0.1440862	0.1474129	0.1668379	0.1551043	0.1668379	166.8379
SR44	0.1631214	0.1898249	0.1982736	0.2114953	0.2265445	0.2265445	226.5445
SR45	0.1567836	0.1824091	0.1907024	0.2018092	0.2172108	0.2172108	217.2108
SR46	0.1739763	0.1979364	0.2081681	0.2157094	0.2431851	0.2431851	243.1851
SR47	0.18039	0.2035213	0.2145237	0.2200925	0.2529192	0.2529192	252.9192
SR48	0.1608028	0.1840088	0.1933959	0.1969102	0.2235176	0.2235176	223.5176
SR49	0.1554348	0.1769154	0.1863565	0.1736792	0.2158525	0.2158525	215.8525
SR50	0.1769396	0.1946814	0.2068938	0.181593	0.2491289	0.2491289	249.1289
SR51	0.1697955	0.1800382	0.1943043	0.1697955	0.2404468	0.2404468	240.4468
SR52	0.1650656	0.1734914	0.1878054	0.1650656	0.2341262	0.2341262	234.1262
SR53	0.1691018	0.1748866	0.1899851	0.1691018	0.2416476	0.2416476	241.6476
SR54	0.1536734	0.1581592	0.1690601	0.1472563	0.2071644	0.2071644	207.1644
SR55	0.1405343	0.1440645	0.1412164	0.1236697	0.1578486	0.1578486	157.8486
SR56	0.1333929	0.1274255	0.1182359	0.1041996	0.132625	0.1333929	133.3929
SR57	0.1130888	0.0965591	0.1019285	0.127536	0.1011856	0.127536	127.536
SR58	0.1583941	0.1590549	0.1293067	0.1582526	0.1785536	0.1785536	178.5536
SR59	0.1902905	0.1700492	0.1593952	0.2160287	0.2304567	0.2304567	230.4567
SR60	0.1831736	0.1669634	0.1587746	0.2151872	0.226275	0.226275	226.275
SR61	0.1676323	0.1891166	0.1720976	0.2332359	0.2174233	0.2332359	233.2359
SR62	0.2340127	0.1780519	0.1640563	0.1780519	0.1618231	0.2340127	234.0127
SR63	0.284281	0.1920228	0.1769289	0.1933345	0.1973536	0.284281	284.281
SR64	0.2319992	0.1865503	0.1865503	0.2031168	0.1789975	0.2319992	231.9992
SR65	0.2279087	0.1507778	0.138926	0.1549967	0.1576995	0.2279087	227.9087
SR66	0.2105147	0.1472102	0.1356388	0.1472102	0.1452592	0.2105147	210.5147
SR67	0.1727324	0.1298014	0.1195985	0.1298014	0.118826	0.1727324	172.7324
SR68	0.1392193	0.1102986	0.1039154	0.1271738	0.1185875	0.1392193	139.2193
SR69	0.0976397	0.0891675	0.1060432	0.1051795	0.1345329	0.1345329	134.5329
SR70	0.061961	0.0655516	0.0519019	0.0680884	0.0710994	0.0710994	71.0994
SR71	0.0822101	0.0812837	0.0681477	0.0937543	0.0971197	0.0971197	97.1197
SR72	0.0514418	0.0514418	0.0456048	0.0505533	0.0540716	0.0540716	54.0716
SR73	0.0565892	0.048826	0.0460901	0.0554137	0.0636438	0.0636438	63.6438
SR74	0.0539601	0.0490831	0.0438355	0.0490831	0.0539601	0.0539601	53.9601
CR1	0.0897691	0.0711519	0.0689965	0.0717691	0.0749744	0.0897691	89.7691
CR2	0.0748047	0.0529855	0.0590757	0.0603837	0.0489845	0.0748047	74.8047
					Maximum :	**284.281**	**SR63**

First Highest 24-Hour Average (ppm)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ppb
SR1	0.014413738	0.016704671	0.014888029	0.021075421	0.0159536	0.021075421	21.07542083
SR2	0.015707108	0.016857954	0.015892917	0.02113945	0.01581695	0.02113945	21.13945
SR3	0.015331063	0.016447046	0.014893488	0.020255879	0.016616617	0.020255879	20.25587917
SR4	0.018266242	0.020879592	0.016877646	0.023766363	0.021160396	0.023766363	23.7663625
SR5	0.018665183	0.023042917	0.01758655	0.025531329	0.023062017	0.025531329	25.53132917
SR6	0.016738608	0.022521846	0.018799346	0.026763413	0.021839363	0.026763413	26.7634125

2021 - Existing Conditions

SR7	0.023375104	0.031869221	0.023815125	0.0346947	0.029847892	0.0346947	34.6947
SR8	0.018515938	0.023215575	0.0212309	0.029180833	0.023603879	0.029180833	29.18083333
SR9	0.028312538	0.029183438	0.029825596	0.034860088	0.041191117	0.041191117	41.19111667
SR10	0.031241663	0.032095179	0.039172075	0.0374601	0.043007267	0.043007267	43.00726667
SR11	0.030161275	0.030026592	0.037405767	0.032794488	0.037199921	0.037405767	37.40576667
SR12	0.033956929	0.034118329	0.040394683	0.036260671	0.040866438	0.040866438	40.8664375
SR13	0.030958304	0.033099417	0.038492996	0.035166279	0.039303571	0.039303571	39.30357083
SR14	0.0269482	0.032377804	0.031304475	0.028908792	0.035307183	0.035307183	35.30718333
SR15	0.025827738	0.030530217	0.030364842	0.026950621	0.03509955	0.03509955	35.09955
SR16	0.022573475	0.026963842	0.026462196	0.023376546	0.030957654	0.030957654	30.95765417
SR17	0.021113825	0.025150104	0.024992833	0.021954346	0.030106579	0.030106579	30.10657917
SR18	0.017725392	0.0215561	0.021335708	0.019070408	0.026324758	0.026324758	26.32475833
SR19	0.033261633	0.031449333	0.027250796	0.028965888	0.027785967	0.033261633	33.26163333
SR20	0.037712608	0.03488505	0.0311594	0.032995454	0.034092367	0.037712608	37.71260833
SR21	0.04093905	0.037450196	0.033861808	0.036449121	0.038895225	0.04093905	40.93905
SR22	0.024777938	0.030037483	0.023267379	0.024069625	0.027523146	0.030037483	30.03748333
SR23	0.032035396	0.043304163	0.034938808	0.036591067	0.038664458	0.043304163	43.3041625
SR24	0.021158804	0.026902554	0.020967742	0.028712692	0.025478879	0.028712692	28.71269167
SR25	0.0284655	0.031762525	0.032299571	0.028033154	0.032360163	0.032360163	32.3601625
SR26	0.0372186	0.039010088	0.041482125	0.036086267	0.040936296	0.041482125	41.482125
SR27	0.038396171	0.038247721	0.038956967	0.040681558	0.043605988	0.043605988	43.6059875
SR28	0.029097138	0.039923521	0.031909525	0.033464746	0.035895042	0.039923521	39.92352083
SR29	0.038181346	0.038107963	0.037897625	0.042917254	0.045180017	0.045180017	45.18001667
SR30	0.032459208	0.043911408	0.035693675	0.037178792	0.039562992	0.043911408	43.91140833
SR31	0.037878213	0.037950025	0.037925817	0.043968825	0.046322658	0.046322658	46.32265833
SR32	0.029129058	0.030130479	0.032021858	0.035431383	0.038474963	0.038474963	38.4749625
SR33	0.028293638	0.029188654	0.031307408	0.034420033	0.037531858	0.037531858	37.53185833
SR34	0.028242579	0.029131221	0.031788683	0.0344362	0.037670783	0.037670783	37.67078333
SR35	0.032260013	0.033736179	0.037802275	0.039644258	0.043279879	0.043279879	43.27987917
SR36	0.032008475	0.033405479	0.038105163	0.039374817	0.043066333	0.043066333	43.06633333
SR37	0.033167963	0.034622942	0.039879658	0.040781971	0.04461795	0.04461795	44.61795
SR38	0.036091921	0.037663371	0.043765233	0.044231546	0.048393546	0.048393546	48.39354583
SR39	0.035584554	0.03710685	0.043241188	0.043637496	0.047744908	0.047744908	47.74490833
SR40	0.033486933	0.034884571	0.040748467	0.041183854	0.045079896	0.045079896	45.07989583
SR41	0.033792888	0.035093121	0.041705183	0.041577763	0.045558992	0.045558992	45.55899167
SR42	0.027511846	0.028019483	0.033214275	0.033794763	0.037323713	0.037323713	37.3237125
SR43	0.024063571	0.024285317	0.029127142	0.030091354	0.033244058	0.033244058	33.24405833
SR44	0.032054771	0.033037713	0.040242017	0.039606521	0.043498788	0.043498788	43.4987875
SR45	0.030580675	0.031239504	0.038561617	0.037839067	0.041623667	0.041623667	41.62366667
SR46	0.033310608	0.034165221	0.042474996	0.041205354	0.045284517	0.045284517	45.28451667
SR47	0.034336508	0.035172571	0.043912279	0.042413363	0.046631342	0.046631342	46.63134167
SR48	0.030568921	0.031084208	0.039211817	0.03793725	0.041826538	0.041826538	41.8265375
SR49	0.028897696	0.029651721	0.037715963	0.035548758	0.039672079	0.039672079	39.67207917
SR50	0.028293596	0.030562563	0.041691946	0.035985842	0.039887817	0.041691946	41.69194583
SR51	0.027053096	0.028724938	0.039034367	0.034976046	0.037406421	0.039034367	39.03436667
SR52	0.026431396	0.027926125	0.0379509	0.034571717	0.036428463	0.0379509	37.9509
SR53	0.027674142	0.029011483	0.039139138	0.036049375	0.037673179	0.039139138	39.1391375
SR54	0.023658838	0.025429283	0.033944383	0.031297621	0.032545417	0.033944383	33.94438333
SR55	0.0189491	0.021027167	0.026972938	0.024158513	0.025502392	0.026972938	26.9729375
SR56	0.015236958	0.019198167	0.020920154	0.016505338	0.018804492	0.020920154	20.92015417
SR57	0.012319308	0.014101021	0.014521992	0.012535371	0.013119842	0.014521992	14.52199167
SR58	0.016283046	0.021235896	0.015261158	0.0155961	0.014857358	0.021235896	21.23589583
SR59	0.017687263	0.018542404	0.015915208	0.014949742	0.016718804	0.018542404	18.54240417
SR60	0.01710755	0.016914904	0.0153282	0.014214342	0.016046563	0.01710755	17.10755
SR61	0.017026133	0.015505688	0.019203817	0.0139204	0.014639008	0.019203817	19.20381667
SR62	0.027405525	0.031036888	0.026370438	0.024922963	0.029975329	0.031036888	31.0368875
SR63	0.03502125	0.034501808	0.028799196	0.028669879	0.031015608	0.03502125	35.02125
SR64	0.037525608	0.034453788	0.029326175	0.028301233	0.031484258	0.037525608	37.52560833
SR65	0.028163067	0.029547204	0.027300908	0.025644858	0.028213079	0.029547204	29.54720417
SR66	0.023142571	0.028394483	0.026652154	0.024011246	0.028896592	0.028896592	28.89659167
SR67	0.027771229	0.03049455	0.032856896	0.028003358	0.033524883	0.033524883	33.52488333
SR68	0.034940254	0.027341013	0.030069804	0.0260215	0.034715196	0.034940254	34.94025417
SR69	0.026606196	0.0230789	0.023841113	0.021457771	0.027913542	0.027913542	27.91354167
SR70	0.007758771	0.009146054	0.010313092	0.008166008	0.008844963	0.010313092	10.31309167
SR71	0.0117946	0.012645592	0.013437075	0.010874563	0.010204813	0.013437075	13.437075
SR72	0.006153046	0.008452071	0.006091763	0.005450079	0.008377596	0.008452071	8.452070833
SR73	0.005531117	0.00623035	0.006959629	0.005318467	0.005802658	0.006959629	6.959629167
SR74	0.006959088	0.008140633	0.006016683	0.006142296	0.006299429	0.008140633	8.140633333
CR1	0.018445763	0.019290754	0.0173428	0.018689913	0.015291029	0.019290754	19.29075417
CR2	0.0124289	0.013138413	0.011622246	0.011775525	0.009904283	0.013138413	13.1384125

2021 - Existing Conditions

Maximum : **48.394** **SR38**

	First Highest Annual Average (ppm)					5-year Maximum	
	2018	2019	2020	2021	2022		
Receptor ID						**ppm**	**ppb**
SR1	0.002486	0.002425	0.002689	0.002538	0.002363	0.002689368	2.689367908
SR2	0.00295236	0.002804	0.003066	0.003091	0.002827	0.003091236	3.091236096
SR3	0.003053027	0.002884	0.003091	0.003215	0.003016	0.003215374	3.215374144
SR4	0.004900798	0.004605	0.004853	0.005101	0.004836	0.005100685	5.100685205
SR5	0.005279508	0.004982	0.005243	0.005518	0.005219	0.005517871	5.517870582
SR6	0.004753828	0.004493	0.004731	0.004945	0.004698	0.004945045	4.945044623
SR7	0.006844207	0.006511	0.006865	0.007194	0.006805	0.00719361	7.19361032
SR8	0.005442475	0.005139	0.005405	0.005630	0.005377	0.005630407	5.630406553
SR9	0.010082156	0.009609	0.010020	0.010545	0.010032	0.010544756	10.5447561
SR10	0.010879806	0.010436	0.011007	0.011460	0.010957	0.011459889	11.45988935
SR11	0.010076621	0.009704	0.010171	0.010574	0.010156	0.010574395	10.57439542
SR12	0.011369788	0.010984	0.011435	0.011918	0.011453	0.011918027	11.91802703
SR13	0.010848933	0.010495	0.010896	0.011393	0.010957	0.011392798	11.39279782
SR14	0.007588661	0.008076	0.007602	0.007986	0.007744	0.008075796	8.075795594
SR15	0.007541697	0.007991	0.007549	0.007923	0.007642	0.007990794	7.990793756
SR16	0.006550553	0.006962	0.006575	0.006870	0.006646	0.006961567	6.961566815
SR17	0.00618354	0.006581	0.006203	0.006463	0.006263	0.006580595	6.580594977
SR18	0.00495642	0.005350	0.004984	0.005169	0.005036	0.005349501	5.349501256
SR19	0.011119026	0.011272	0.010974	0.011988	0.011676	0.011988321	11.98832051
SR20	0.012849893	0.012974	0.012647	0.013900	0.013475	0.013900438	13.90043847
SR21	0.014203646	0.014320	0.013957	0.015381	0.014878	0.015381153	15.38115342
SR22	0.008222724	0.008704	0.008225	0.008803	0.008635	0.008802677	8.802676667
SR23	0.010360096	0.011057	0.010353	0.010995	0.010888	0.011057152	11.05715217
SR24	0.007526534	0.007378	0.007582	0.007878	0.007470	0.007878265	7.878264532
SR25	0.010219067	0.009931	0.010228	0.010900	0.010488	0.010900424	10.90042361
SR26	0.013365737	0.013043	0.013394	0.014206	0.013673	0.014205767	14.20576742
SR27	0.012924928	0.012556	0.012887	0.013588	0.013031	0.013588464	13.5884635
SR28	0.009105344	0.009798	0.009119	0.009645	0.009566	0.009797965	9.79796468
SR29	0.012965756	0.012530	0.012910	0.013535	0.012992	0.013535345	13.53534466
SR30	0.009937545	0.010725	0.009954	0.010503	0.010423	0.010725186	10.7251865
SR31	0.013097258	0.012649	0.013021	0.013656	0.013094	0.013655611	13.65561147
SR32	0.010047328	0.009648	0.010041	0.010549	0.010053	0.010549385	10.54938461
SR33	0.009721872	0.009332	0.009725	0.010218	0.009733	0.01021797	10.21796953
SR34	0.009707485	0.009317	0.009723	0.010214	0.009727	0.010214482	10.21448204
SR35	0.011318261	0.010886	0.011348	0.011907	0.011345	0.011906601	11.9066005
SR36	0.011217459	0.010788	0.011259	0.011810	0.011252	0.011810047	11.810047
SR37	0.011657161	0.011217	0.011707	0.012274	0.011697	0.012274492	12.27449236
SR38	0.012762828	0.012294	0.012821	0.013433	0.012804	0.013433125	13.43312523
SR39	0.01256456	0.012101	0.012625	0.013228	0.012608	0.013227636	13.22763572
SR40	0.011768369	0.011325	0.011829	0.012397	0.011814	0.012396823	12.3968228
SR41	0.011872062	0.011427	0.011944	0.012513	0.011927	0.012512678	12.51267832
SR42	0.009425024	0.009043	0.009489	0.009955	0.009477	0.009954905	9.954904612
SR43	0.008195589	0.007845	0.008264	0.008667	0.008248	0.00866685	8.666850148
SR44	0.011203022	0.010775	0.011285	0.011821	0.011269	0.011820692	11.82069204
SR45	0.010622357	0.010208	0.010707	0.011216	0.010693	0.011215942	11.21594197
SR46	0.011674217	0.011234	0.011768	0.012319	0.011752	0.012318788	12.31878837
SR47	0.01205619	0.011606	0.012155	0.012719	0.012137	0.012719248	12.71924833
SR48	0.010631479	0.010217	0.010723	0.011228	0.010713	0.011228249	11.22824937
SR49	0.010026787	0.009626	0.010115	0.010592	0.010115	0.010591876	10.59187595
SR50	0.010187303	0.009820	0.010310	0.010773	0.010298	0.010772597	10.77259707
SR51	0.009540958	0.009185	0.009674	0.010071	0.009646	0.010071442	10.07144201
SR52	0.009305131	0.008949	0.009433	0.009809	0.009404	0.009809266	9.809266221
SR53	0.009709046	0.009337	0.009833	0.010215	0.009803	0.010214534	10.21453397
SR54	0.008292169	0.007955	0.008403	0.008720	0.008377	0.008719682	8.719682477
SR55	0.006458679	0.006183	0.006538	0.006785	0.006530	0.00678499	6.78499032
SR56	0.005069163	0.004823	0.005095	0.005265	0.005083	0.005265448	5.265448368
SR57	0.003688798	0.003458	0.003686	0.003808	0.003678	0.003807814	3.807814201
SR58	0.00458604	0.004471	0.004486	0.004742	0.004684	0.004741978	4.741978493
SR59	0.003938668	0.003838	0.003870	0.004117	0.004021	0.004117445	4.117444658
SR60	0.003692389	0.003599	0.003638	0.003871	0.003775	0.003871217	3.871216895
SR61	0.003479166	0.003400	0.003510	0.003702	0.003599	0.003701702	3.701701849
SR62	0.006433258	0.007032	0.006624	0.006917	0.006635	0.007032064	7.032063858
SR63	0.00718782	0.007903	0.007356	0.007679	0.007379	0.007902666	7.902665502
SR64	0.0075139	0.008288	0.007683	0.008043	0.007709	0.008287666	8.287666199

2021 - Existing Conditions

SR65	0.006735	0.007332	0.006853	0.007107	0.006871	0.007332015	7.332014886
SR66	0.006632549	0.007177	0.006754	0.006966	0.006790	0.007176646	7.176645696
SR67	0.007363778	0.007893	0.007536	0.007792	0.007641	0.007893392	7.893392021
SR68	0.006943914	0.007424	0.007005	0.007475	0.007277	0.007475369	7.475369281
SR69	0.006201024	0.006634	0.006336	0.006731	0.006491	0.006730811	6.730810947
SR70	0.002751256	0.002679	0.002735	0.002861	0.002798	0.002861078	2.861078345
SR71	0.003242226	0.003232	0.003265	0.003396	0.003315	0.003396147	3.396147454
SR72	0.00175468	0.001899	0.001755	0.001824	0.001810	0.00189919	1.899189737
SR73	0.0015286	0.001473	0.001504	0.001635	0.001545	0.001635008	1.635007922
SR74	0.001762872	0.001896	0.001801	0.001925	0.001887	0.001925398	1.925398231
CR1	0.004956198	0.005165	0.004936	0.005401	0.005196	0.005401459	5.401459189
CR2	0.002798696	0.002996	0.002828	0.003046	0.002930	0.003046374	3.046374064

Maximum : **15.381** **SR21**

Particulate Matter (PM_{10})

Conversion Factor: 100

First Highest 24-Hour Average ($\mu g/m^3$)*(10^2)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ($\mu g/m^3$)
SR1	210.823075	226.3487225	201.8576217	268.081925	217.9340315	2.68081925
SR2	212.1023799	228.8815858	223.3613787	268.9991807	224.4831485	2.689991807
SR3	206.1023068	224.1006986	207.7791009	255.2069044	230.5015067	2.552069044
SR4	250.631345	287.5137447	239.5844669	307.9513415	285.1541866	3.079513415
SR5	257.1058983	319.3225619	254.4080054	334.0120188	311.1996171	3.340120188
SR6	229.3479017	315.1663222	266.3808503	350.6598145	290.9659631	3.506598145
SR7	328.3597334	451.7448833	351.2053875	469.6411736	408.6411464	4.696411736
SR8	260.8971068	327.8646252	304.0265654	389.3940212	317.5601842	3.893940212
SR9	409.3909283	428.8441962	421.996037	490.750789	574.9511999	5.749511999
SR10	453.8223715	474.2284508	519.4188703	534.5446715	606.2350629	6.062350629
SR11	442.6788763	444.1858555	486.6366911	494.6191223	537.3162289	5.373162289
SR12	505.8238025	509.3253036	533.7363379	571.7776817	605.9010601	6.059010601
SR13	533.2771825	531.2696396	506.8240802	571.3677216	643.7843793	6.437843793
SR14	577.4205558	627.6582196	688.40183	600.7145824	807.3800488	8.073800488
SR15	613.3121602	642.6286703	724.9107272	635.9262466	859.087505	8.59087505
SR16	535.7548545	562.7586299	633.4069042	564.9656817	754.2540414	7.542540414
SR17	530.7783654	547.1319315	615.2136399	552.352526	745.3505866	7.453505866
SR18	440.5443398	460.9896208	525.0537758	476.7850857	641.4393897	6.414393897
SR19	993.2800279	920.3387477	775.9757532	813.3386917	799.3321102	9.932800279
SR20	1131.731879	1047.735888	914.9237375	966.1882992	997.4514457	11.31731879
SR21	1228.364014	1121.061362	1019.669107	1071.432858	1146.810093	12.28364014
SR22	623.7655355	589.2539444	492.8764874	470.7014742	512.3192666	6.237655355
SR23	569.1570416	621.1727645	511.4375579	488.0520058	591.532194	6.211727645
SR24	496.5694688	638.5930532	488.1790716	569.5488567	501.6412269	6.385930532
SR25	597.5665646	773.6924483	606.7634003	640.8413677	605.073799	7.736924483
SR26	767.9901193	941.2226429	788.4842013	811.6480573	775.6665382	9.412226429
SR27	651.5896371	730.6459116	661.587866	654.345487	723.0094694	7.306459116
SR28	478.4453678	553.6987314	440.7796831	426.3417867	495.0492797	5.536987314
SR29	605.6941374	653.4897537	597.3942695	596.0603625	707.8881327	7.078881327
SR30	504.9548518	609.4462922	495.5197643	476.9849845	532.7577453	6.094462922
SR31	583.0124519	622.7624725	572.5817714	612.0753728	705.8587901	7.058587901
SR32	418.068226	429.1934945	423.8408811	483.6116026	542.9970907	5.429970907
SR33	404.8873671	414.124409	409.8169017	468.5395643	526.7532444	5.267532444
SR34	403.6522895	411.6162291	411.1007262	469.0776852	526.3436654	5.263436654
SR35	465.2480368	479.2034814	491.1880351	548.1018802	610.464585	6.10464585
SR36	460.9896185	474.7355898	490.1860359	544.476922	605.527518	6.05527518
SR37	478.7135499	493.8902094	512.9391663	566.0946542	628.7229322	6.287229322
SR38	523.6172761	540.9295485	566.4261005	618.651671	686.282678	6.86282678
SR39	515.7217641	532.6689035	557.8709541	609.7555956	675.9973144	6.759973144
SR40	483.3355732	498.8377137	521.216308	572.6460216	634.5519625	6.345519625
SR41	487.7534646	503.6553363	529.8082922	579.481997	640.8197034	6.408197034
SR42	391.4019217	399.9204206	410.6525359	462.0167953	514.1074429	5.141074429
SR43	339.0015149	350.018354	351.7707011	407.4540702	451.3296483	4.513296483
SR44	460.795166	476.0586545	502.8131782	551.3712878	607.7241243	6.077241243
SR45	438.2010746	451.1681401	476.6407737	525.7813885	578.4062767	5.784062767
SR46	480.0636643	496.8035008	529.7171369	577.7293691	634.4579379	6.344579379
SR47	495.8319483	513.5313343	548.9435258	596.7124473	655.0811513	6.550811513

2021 - Existing Conditions

SR48	438.3124898	452.3100942	481.4879409	529.928082	581.0481809	5.810481809	
SR49	413.7920532	429.4148588	457.0352656	499.2366666	548.8692811	5.488692811	
SR50	406.6235844	432.1248249	507.9082444	513.4041824	555.3712107	5.553712107	
SR51	388.3109534	404.5795547	468.9557764	501.8127872	520.3217659	5.203217659	
SR52	379.0763999	396.918755	453.5494572	497.4894076	506.5777957	5.065777957	
SR53	398.0792928	416.5604994	470.1239616	521.7003611	526.7846038	5.267846038	
SR54	341.1824872	370.980289	397.7657547	452.2261011	449.8102824	4.522261011	
SR55	272.6089707	310.7590108	304.3928528	349.3093902	345.5402177	3.493093902	
SR56	215.8685861	278.6647785	227.2265307	245.7807818	252.3525182	2.786647785	
SR57	178.9062565	205.4437892	166.7870483	154.992545	188.7806061	2.054437892	
SR58	220.9428298	245.8694985	199.479733	214.3748123	196.0692035	2.458694985	
SR59	206.4969046	214.7216001	198.4103698	187.5291125	199.0573193	2.147216001	
SR60	202.8492841	198.6486912	188.7227679	180.6308372	188.9637305	2.028492841	
SR61	194.2819873	199.2891045	216.5973009	184.1209198	168.1539101	2.165973009	
SR62	704.5380459	760.9599472	702.4615777	714.7845948	846.0218	8.460218	
SR63	800.2443384	914.1763376	866.9979693	821.9919939	959.4985813	9.594985813	
SR64	912.5705242	1013.528044	948.488781	924.8812399	1110.013688	11.10013688	
SR65	888.7626451	987.5314223	1047.696847	994.0904417	1259.873316	12.59873316	
SR66	928.2409426	1033.042201	1135.192302	1062.457188	1376.326652	13.76326652	
SR67	1280.251298	1302.297047	1602.929106	1315.666232	1687.712872	16.87712872	
SR68	1915.675996	1202.815278	1120.138074	1170.835576	1366.132832	19.15675996	
SR69	1249.330098	1080.095901	1128.840029	954.6794343	1309.97205	13.0997205	
SR70	264.5798507	296.3372583	229.0229368	243.5876768	270.0727698	2.963372583	
SR71	370.8312766	339.3943122	394.0680208	336.7720942	371.5976483	3.940680208	
SR72	276.4598109	320.1055932	359.9374763	305.7613361	390.4409639	3.904409639	
SR73	184.6761247	192.500012	201.0040164	177.9010379	179.0656754	2.010040164	
SR74	390.2656668	381.8272665	336.1611039	348.4187735	301.6083407	3.902656668	
CR1	884.5840266	808.1423545	700.3385344	806.4116839	638.7776629	8.845840266	
CR2	507.6323402	468.6099212	411.7740024	466.387983	368.2396805	5.076323402	

Maximum : **19.157** **SR68**

Fine Particulate Matter ($PM_{2.5}$)

Conversion Factor 100

First Highest 24-Hour Average ($\mu g/m^3$)*(10^2)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ($\mu g/m^3$)
SR1	85.89126443	99.73627473	87.16034326	122.7922023	91.78508905	1.2279220
SR2	91.96952978	100.7313664	94.42706561	123.2429783	94.55656921	1.2324298
SR3	89.68024684	98.49299815	88.45558815	118.0268433	97.96255868	1.1802684
SR4	107.3777718	124.9150113	100.5829488	139.23746	123.9982668	1.3923746
SR5	109.8525294	137.9147427	105.7071525	149.894694	135.1649011	1.4989469
SR6	98.48107857	135.4081705	112.138877	157.4512659	127.7356938	1.5745127
SR7	138.2333308	191.1433529	144.0420662	205.0145478	175.4811695	2.0501455
SR8	109.831703	140.0759301	127.0264158	172.5509093	138.4265841	1.7255091
SR9	168.7307027	174.9505765	176.0719299	210.3164637	243.5859165	2.4358592
SR10	186.4039381	192.8833877	227.1161504	227.0406546	255.1414337	2.5514143
SR11	181.9220815	177.8104691	215.7543889	205.5916355	223.8308601	2.2383086
SR12	206.1321847	202.4800161	233.9374435	232.4103781	248.5832675	2.4858327
SR13	206.3619656	198.842185	222.7125646	229.3192736	254.4692933	2.5446929
SR14	207.562611	235.1425262	244.1960006	213.179489	280.8786213	2.8087862
SR15	210.1455089	233.2551222	249.8370091	215.7045638	292.5511838	2.9255118
SR16	184.4941451	205.310088	218.4621132	191.6617468	257.9672537	2.5796725
SR17	176.9214028	195.7289916	210.2435695	185.632164	253.8111454	2.5381115
SR18	149.384376	167.2767123	179.9638992	160.5751379	220.2477681	2.2024777
SR19	317.2668523	295.4834893	252.0043289	266.161423	258.3297362	3.1726685
SR20	360.6157347	328.228357	295.1000124	306.6794966	321.0177109	3.6061573
SR21	391.2974294	351.4502055	321.9572571	341.3602316	368.2000367	3.9129743
SR22	211.3783144	198.507133	172.0287684	164.1807551	181.1500099	2.1137831
SR23	213.77013	261.0930777	205.2479983	212.4180436	239.6185767	2.6109308
SR24	169.9729585	218.9998277	168.9186459	212.5121142	181.3790644	2.1899983
SR25	215.0907814	265.0498358	230.9527036	224.4541364	227.6450939	2.6504984
SR26	276.6085777	321.6857373	296.9999741	284.4726702	289.0714455	3.2168574
SR27	251.4172975	269.2157311	261.5370688	246.0817078	282.6720489	2.8267205
SR28	184.8086446	236.7378941	186.2681164	192.2471213	205.2166329	2.3673789
SR29	239.6611948	249.7738646	243.738579	252.3232253	282.7250293	2.8272503
SR30	200.2890665	258.7266471	208.7526965	213.5047023	226.8434593	2.5872665

2021 - Existing Conditions

SR31	233.2209438	241.6541835	237.8761188	258.6452867	284.9984175	2.8499842
SR32	172.8456865	178.6656713	188.5616595	208.1414699	228.5081088	2.2850811
SR33	167.7272899	173.1684044	183.497009	202.2029792	222.4737199	2.2247372
SR34	167.2808554	173.0021317	185.1458193	202.4585315	222.7770049	2.2277700
SR35	191.3513691	200.5466067	219.536417	233.7073331	256.0277224	2.5602772
SR36	189.7364898	198.8226224	220.289722	232.325672	254.4464035	2.5444640
SR37	196.6709463	206.203588	230.2691353	240.8592749	263.6413139	2.6364131
SR38	214.2095724	224.4227617	252.791623	261.5719087	286.1907908	2.8619079
SR39	211.1434101	221.1729491	249.5059528	258.0857217	282.2523	2.8225230
SR40	198.5237219	208.0176513	234.6173373	243.5013162	266.1969325	2.6619693
SR41	200.2920651	209.6549003	239.3156785	246.2529919	268.9304832	2.6893048
SR42	162.5772885	167.7064126	189.5110825	199.8815538	219.5006269	2.1950063
SR43	141.8781571	146.015112	165.1448839	178.2476458	195.0129105	1.9501291
SR44	189.7643063	198.1481421	229.5827551	235.2412926	256.4317093	2.5643171
SR45	180.8810133	187.8726803	219.277189	225.1329082	245.1509008	2.4515090
SR46	197.2381253	205.5881164	241.8904359	245.591642	267.1247981	2.6712480
SR47	203.3796262	211.7902633	250.1367784	253.0388759	275.218866	2.7521887
SR48	180.7704122	186.6896274	222.3494214	226.5958798	246.372344	2.4637234
SR49	170.7980007	174.8652703	212.9815191	213.5632144	233.5574907	2.3355749
SR50	167.3330869	177.9395889	235.4833806	217.7669078	235.1342096	2.3548338
SR51	160.0888845	167.0930351	219.6240316	212.5110504	220.4593992	2.2045940
SR52	156.429399	164.8184451	213.2162886	210.4453833	214.6775977	2.1467760
SR53	163.9111747	172.5754643	220.1358077	219.673415	222.2417466	2.2224175
SR54	142.4772038	152.5501977	189.7349879	191.4959476	191.5711854	1.9157119
SR55	115.7201882	129.7282397	149.399217	149.113463	149.587021	1.4958702
SR56	93.26510976	118.4210398	114.830726	104.4377302	110.243097	1.1842104
SR57	76.96842438	88.32760467	79.07602692	70.88737351	80.80048768	0.8832760
SR58	93.04192803	118.2022817	87.59032916	90.9252735	82.87574314	1.1820228
SR59	97.40323372	103.2857359	90.24137362	82.63108928	92.95086106	1.0328574
SR60	93.94086888	94.03093003	86.63528503	78.38857863	88.98548602	0.9403093
SR61	93.26926604	90.26119153	106.1967109	79.79627467	81.00907219	1.0619671
SR62	232.8140926	265.0487754	236.0164297	237.3968482	289.3799374	2.8937994
SR63	257.7811127	308.8742887	279.9013413	263.470477	318.2500075	3.1825001
SR64	283.7034877	330.7571262	299.2866866	281.6273735	341.8895043	3.4188950
SR65	269.5883319	310.6777513	315.3880101	292.0929858	369.6750442	3.6967504
SR66	276.7057699	316.8306244	333.6675157	309.8526913	398.5395217	3.9853952
SR67	371.4752986	383.5114796	459.3007729	383.1454824	481.0541712	4.8105417
SR68	529.5134681	338.4133675	354.8564157	334.5428328	441.0499188	5.2951347
SR69	368.3051486	321.0856641	341.9335853	291.6582549	401.4555203	4.0145552
SR70	86.29021394	96.25445083	74.86677615	82.14078875	93.73476459	0.9625445
SR71	122.0241852	116.3632325	142.2537872	111.1532909	122.9202875	1.4225379
SR72	86.10444247	102.7216342	105.2162493	92.45544853	119.8395881	1.1983959
SR73	64.57192125	62.59431559	65.00707354	60.61889335	54.80831762	0.6500707
SR74	118.6109337	120.8777305	101.9032575	107.6140176	91.65338278	1.2087773
CR1	261.3672956	245.2001374	213.3491512	246.064244	193.7667802	2.6136730
CR2	156.8905986	149.1951524	130.4326714	146.9818811	116.3604003	1.5689060

Maximum : **5.295** **SR68**

First Highest Annual Average (µg/m^3)*(10^2)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum (µg/m^3)
SR1	14.871233	14.515370	16.046284	15.120278	14.061817	0.1604628
SR2	17.66875001	16.790632	18.305659	18.433066	16.841287	0.1843307
SR3	18.25972835	17.256128	18.448311	19.161623	17.957341	0.1916162
SR4	29.32784421	27.561505	29.009859	30.442531	28.862300	0.3044253
SR5	31.59552656	29.819154	31.345106	32.931897	31.152924	0.3293190
SR6	28.43750278	26.888294	28.277632	29.490342	28.023227	0.2949034
SR7	41.01264268	39.019757	41.101795	42.989110	40.685699	0.4298911
SR8	32.58676276	30.780617	32.339922	33.614977	32.110979	0.3361498
SR9	60.71233163	57.861481	60.315037	63.338829	60.314716	0.6333883
SR10	65.6390767	62.961422	66.341002	68.945379	65.979302	0.6894538
SR11	61.62314343	59.361888	62.135645	64.320145	61.899655	0.6432015
SR12	70.15956407	67.796163	70.544832	73.112819	70.399885	0.7311282
SR13	68.91694094	66.845560	69.315737	71.846183	69.202870	0.7184618
SR14	61.97498778	65.345766	62.074654	65.093454	62.730777	0.6534577
SR15	64.04209114	67.271078	64.026365	67.005362	64.376546	0.6727108
SR16	55.38357331	58.356818	55.517936	57.792715	55.723207	0.5835682
SR17	53.02888216	55.997769	53.136341	55.073100	53.236033	0.5599777

2021 - Existing Conditions

SR18	41.91147759	44.961476	42.100787	43.324276	42.186329	0.4496148	
SR19	104.2443526	104.761488	102.699010	112.368205	109.400072	1.1236821	
SR20	120.8450843	120.962187	118.683200	130.771122	126.635533	1.3077112	
SR21	133.4034629	133.340299	130.795464	144.575678	139.670491	1.4457568	
SR22	64.61351955	67.925315	64.617743	69.292461	67.599942	0.6929246	
SR23	71.91150074	76.169715	71.809951	76.375689	75.507720	0.7637569	
SR24	58.1707206	57.464109	58.242295	60.600879	57.516540	0.6060088	
SR25	80.77522276	78.534549	80.115485	86.158359	83.146637	0.8615836	
SR26	104.271178	101.753975	103.629450	110.986063	107.150418	1.1098606	
SR27	88.30152663	85.796126	87.694091	92.831118	89.306075	0.9283112	
SR28	60.20170206	64.390010	60.292298	63.713228	63.211153	0.6439001	
SR29	83.69221575	80.943520	83.149278	87.252440	83.933483	0.8725244	
SR30	63.54082276	68.273106	63.664047	67.066691	66.599145	0.6827311	
SR31	82.35563855	79.640025	81.801635	85.746749	82.390374	0.8574675	
SR32	60.55636638	58.151524	60.490412	63.452980	60.540272	0.6345298	
SR33	58.47731527	56.131586	58.467174	61.335098	58.491664	0.6133510	
SR34	58.23800241	55.894838	58.301231	61.155290	58.296432	0.6115529	
SR35	67.80826805	65.207322	67.946706	71.199582	67.902487	0.7119958	
SR36	67.10866532	64.524889	67.316085	70.517434	67.246222	0.7051743	
SR37	69.71504894	67.065346	69.967916	73.266558	69.877210	0.7326656	
SR38	76.33546346	73.510003	76.632524	80.197507	76.501544	0.8019751	
SR39	75.13045375	72.336506	75.440662	78.948050	75.308898	0.7894805	
SR40	70.33168786	67.663071	70.639884	73.942617	70.527363	0.7394262	
SR41	70.90574267	68.221302	71.280339	74.580652	71.147482	0.7458065	
SR42	56.20948287	53.920171	56.546855	59.232219	56.444506	0.5923222	
SR43	48.8158486	46.724812	49.182321	51.490744	49.053442	0.5149074	
SR44	66.84900524	64.271831	67.280346	70.379486	67.153552	0.7037949	
SR45	63.3572335	60.869310	63.801848	66.741873	63.688008	0.6674187	
SR46	69.67362317	67.024228	70.166360	73.355999	70.042557	0.7335600	
SR47	71.96969509	69.259552	72.486502	75.759872	72.354598	0.7575987	
SR48	63.41995994	60.931536	63.902255	66.816550	63.811205	0.6681655	
SR49	59.82457597	57.424012	60.282665	63.025851	60.249210	0.6302585	
SR50	60.90060684	58.690917	61.551298	64.197593	61.440025	0.6419759	
SR51	57.09664862	54.944874	57.803523	60.049701	57.591883	0.6004970	
SR52	55.70799069	53.559208	56.388774	58.499970	56.159512	0.5849997	
SR53	58.16189941	55.910007	58.820457	60.956730	58.580962	0.6095673	
SR54	49.66615496	47.628513	50.256106	52.000018	50.034882	0.5200002	
SR55	38.66015506	36.997934	39.077672	40.404977	38.965837	0.4040498	
SR56	30.34672808	28.868999	30.472141	31.335195	30.328060	0.3133520	
SR57	22.09393536	20.719405	22.071240	22.637304	21.952433	0.2263730	
SR58	28.63783777	27.918690	28.142851	29.383905	29.037047	0.2938390	
SR59	24.60231598	23.986495	24.283760	25.480637	24.925589	0.2548064	
SR60	23.15842735	22.602514	22.937075	24.042561	23.492637	0.2404256	
SR61	21.77862936	21.308018	22.022074	22.902816	22.335893	0.2290282	
SR62	50.19411519	54.203276	51.411238	52.979068	51.327708	0.5420328	
SR63	60.62623575	65.666248	61.691904	63.576506	61.976242	0.6566625	
SR64	71.36366487	76.990912	72.371883	74.674256	72.702376	0.7699091	
SR65	71.70314155	76.472691	72.194964	73.827263	72.484474	0.7647269	
SR66	76.42883816	81.112114	77.067924	78.473549	77.659677	0.8111211	
SR67	95.08956201	100.431371	96.615827	99.654536	98.669617	1.0043137	
SR68	87.70140895	92.066370	87.669673	94.128370	91.384781	0.9412837	
SR69	83.71903608	87.976105	84.700697	90.056057	87.138331	0.9005606	
SR70	27.37420406	26.310820	27.192273	28.222779	27.309534	0.2822278	
SR71	38.05221411	37.497232	38.067889	40.094993	38.787633	0.4009499	
SR72	26.9875057	28.677390	27.100490	27.608803	27.061307	0.2867739	
SR73	15.39211225	14.414558	14.959454	16.802820	15.686868	0.1680282	
SR74	30.86082951	32.477449	31.652324	33.725475	32.703877	0.3372548	
CR1	69.62174511	70.724745	68.190624	75.249223	72.688716	0.7524922	
CR2	33.79783594	35.391482	33.982911	36.542238	35.411731	0.3654224	

Maximum : **1.446** **SR21**

Acetaldehyde

Conversion Factor	1000
Molecular Weight	44.05

	First Highest 24-Hour Average (ppm)*(10^3)						
	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						ppm	($\mu g/m^3$)
SR1	0.101706879	0.11909355	0.1052384	0.149890883	0.113371317	0.149890883	0.284174116

2021 - Existing Conditions

SR2	0.111027621	0.120203871	0.1125645	0.150383796	0.112298783	0.150383796	0.285108616
SR3	0.108402388	0.117357858	0.1055953	0.144262383	0.117450483	0.144262383	0.273503194
SR4	0.129116529	0.148704413	0.1195876	0.169103846	0.149585	0.169103846	0.320599458
SR5	0.1319395	0.164012529	0.1246105	0.181627375	0.162960092	0.181627375	0.344342482
SR6	0.118396942	0.160503629	0.1333345	0.190570133	0.154419429	0.190570133	0.361296818
SR7	0.165175167	0.226430375	0.1690803	0.246542154	0.210787438	0.246542154	0.467412675
SR8	0.1309722	0.165567317	0.1506187	0.207805858	0.166935729	0.207805858	0.393973568
SR9	0.200218329	0.206322863	0.2107206	0.249037371	0.291021196	0.291021196	0.551739301
SR10	0.220917404	0.227025258	0.2761237	0.267741079	0.303963904	0.303963904	0.576277035
SR11	0.21419885	0.212222629	0.2635840	0.236797842	0.264211154	0.264211154	0.500910860
SR12	0.241565896	0.241268133	0.2846506	0.263044754	0.290850638	0.290850638	0.551415944
SR13	0.225355925	0.234642463	0.2712571	0.256711429	0.283889913	0.283889913	0.538219291
SR14	0.2115075	0.248780742	0.2467252	0.224336683	0.279666563	0.279666563	0.530212355
SR15	0.207619167	0.239782167	0.2448530	0.214104804	0.284092342	0.284092342	0.538603071
SR16	0.181917908	0.211736504	0.2137336	0.186171717	0.250846608	0.250846608	0.475573375
SR17	0.171989046	0.199341696	0.2034754	0.177721683	0.245363863	0.245363863	0.465178784
SR18	0.144789913	0.17079075	0.1739087	0.153461413	0.214082638	0.214082638	0.405873546
SR19	0.285624071	0.268840779	0.2279976	0.243828704	0.235611192	0.285624071	0.541507036
SR20	0.323974717	0.298289904	0.2659943	0.278829446	0.291187654	0.323974717	0.614214999
SR21	0.351334792	0.319663942	0.2892984	0.308470596	0.332687117	0.351334792	0.666086234
SR22	0.195916371	0.219870025	0.1713953	0.17384895	0.20255145	0.219870025	0.416845699
SR23	0.229718308	0.310159133	0.2476928	0.260376367	0.277970775	0.310159133	0.588022405
SR24	0.167342533	0.215567008	0.1675376	0.222799271	0.190165621	0.222799271	0.422399178
SR25	0.220944767	0.255062279	0.2467451	0.221874533	0.244277754	0.255062279	0.483565753
SR26	0.286476167	0.311202171	0.3155956	0.28308465	0.308313104	0.315595571	0.598329201
SR27	0.281451346	0.286497954	0.2878697	0.288418304	0.317572375	0.317572375	0.602076971
SR28	0.206618363	0.284741958	0.2258069	0.237552425	0.254733292	0.284741958	0.539834662
SR29	0.275677917	0.278538067	0.2760074	0.30405465	0.325263396	0.325263396	0.616658172
SR30	0.230191463	0.312299296	0.2525716	0.263538283	0.280657633	0.312299296	0.592079881
SR31	0.271582738	0.274630613	0.2741993	0.311492938	0.331678479	0.331678479	0.628820357
SR32	0.2065311	0.213526917	0.2284307	0.251295992	0.273154788	0.273154788	0.517866855
SR33	0.200577154	0.206889279	0.2231546	0.244175983	0.266385438	0.266385438	0.505033026
SR34	0.200152079	0.206511375	0.2262553	0.244338833	0.267206192	0.267206192	0.506589071
SR35	0.228543779	0.239063679	0.2685435	0.281191675	0.3066858	0.3066858	0.581437405
SR36	0.226720358	0.236769246	0.2704729	0.279353325	0.305090029	0.305090029	0.578412026
SR37	0.23490905	0.245391779	0.2829218	0.289335158	0.316009146	0.316009146	0.599113287
SR38	0.25557925	0.266884488	0.3103042	0.313745513	0.342623404	0.342623404	0.649570547
SR39	0.25198305	0.262965525	0.3065650	0.309564946	0.338030771	0.338030771	0.640863497
SR40	0.237142017	0.247284717	0.2889159	0.292246992	0.3192003	0.3192003	0.605163311
SR41	0.239277983	0.248828475	0.2955032	0.295142163	0.322539538	0.322539538	0.611494082
SR42	0.19483765	0.198887271	0.2355185	0.240160154	0.264403971	0.264403971	0.501276416
SR43	0.170422429	0.172591279	0.2065475	0.214095608	0.235581517	0.235581517	0.446632696
SR44	0.226939229	0.234447158	0.2849828	0.281418342	0.307945696	0.307945696	0.583826008
SR45	0.216486979	0.221822663	0.2730492	0.26904	0.294687838	0.294687838	0.558690789
SR46	0.2357803	0.242542454	0.3006413	0.292922254	0.320518438	0.320518438	0.607662332
SR47	0.243024608	0.249694083	0.3107645	0.301517642	0.330019713	0.330019713	0.625675545
SR48	0.216361525	0.22019075	0.2775436	0.269934425	0.296071896	0.296071896	0.561314788
SR49	0.204515604	0.210018	0.2669054	0.2533197	0.280780642	0.280780642	0.532324508
SR50	0.200182333	0.216406933	0.2948680	0.256718075	0.282106025	0.294868017	0.559032385
SR51	0.191583113	0.20339555	0.2760376	0.249649175	0.264504138	0.276037633	0.523332365
SR52	0.187222383	0.197740533	0.2683764	0.246791921	0.257573946	0.268376413	0.508807662
SR53	0.196039604	0.205422263	0.2767620	0.257258538	0.266348483	0.27676195	0.524705578
SR54	0.167666767	0.180359392	0.2400782	0.22357405	0.230131121	0.240078246	0.455157925
SR55	0.135250479	0.150982363	0.1908705	0.172925421	0.180407733	0.190870475	0.361866228
SR56	0.108686263	0.137812679	0.1481481	0.118574392	0.133158617	0.148148071	0.280869965
SR57	0.089120379	0.101335717	0.1029939	0.088609921	0.094219467	0.102993942	0.195263459
SR58	0.115246742	0.150239129	0.1079504	0.110329783	0.105381821	0.150239129	0.284834346
SR59	0.125208963	0.1313014	0.1125524	0.105559708	0.118586817	0.1313014	0.248930812
SR60	0.121110029	0.119803571	0.1084009	0.100371342	0.113828679	0.121110029	0.229609265
SR61	0.120503758	0.110671433	0.1356717	0.098750792	0.103861858	0.135671671	0.257216292
SR62	0.207934271	0.25302285	0.2178161	0.207713021	0.256736379	0.256736379	0.486739634
SR63	0.247872404	0.288163675	0.2490337	0.225819029	0.273616267	0.288163675	0.546321803
SR64	0.275393954	0.298449646	0.2606548	0.236112942	0.290075563	0.298449646	0.565822700
SR65	0.224493988	0.269789483	0.2638326	0.233996054	0.289125004	0.289125004	0.548144362
SR66	0.227734358	0.269712988	0.2704328	0.247345667	0.3067803	0.3067803	0.581616565
SR67	0.29847155	0.315465738	0.3619567	0.303652538	0.37199375	0.37199375	0.705253000
SR68	0.414758246	0.27075635	0.3143717	0.279649671	0.383394021	0.414758246	0.786329064
SR69	0.289867371	0.22345505	0.2263877	0.209026775	0.261658175	0.289867371	0.549551795
SR70	0.057094842	0.066932004	0.0751659	0.059392083	0.064547425	0.075165917	0.142505051
SR71	0.084011108	0.090897871	0.0963213	0.077828029	0.075638804	0.096321317	0.182613008

2021 - Existing Conditions

SR72	0.046504579	0.063792008	0.0465174	0.042141279	0.064182979		0.064182979	0.121682793
SR73	0.040565246	0.045295283	0.0512231	0.039308413	0.041632638		0.051223096	0.097112497
SR74	0.052228125	0.061201442	0.0455923	0.046985204	0.046837867		0.061201442	0.116030176
CR1	0.193702033	0.183302746	0.1567840	0.181308513	0.143259225		0.193702033	0.367234504
CR2	0.122528321	0.119255979	0.1013618	0.110415317	0.089658008		0.122528321	0.232298166
						Maximum :	**0.786**	**SR68**

First Highest 0.5-Hour Average (ppm) *(10^3)

	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.74081733	0.94329186	0.97666971	1.24789353	1.12307029	1.247893528	2.365847960
SR2	0.77448356	0.95032375	0.97469506	1.27171020	1.13145285	1.271710203	2.411001358
SR3	0.82160792	0.87066127	0.90050715	1.21466114	1.07247126	1.214661135	2.302843556
SR4	0.92964054	1.17247673	1.22385648	1.55416860	1.39517233	1.55416860	2.946506681
SR5	1.00532447	1.28723053	1.34799965	1.69352381	1.53135704	1.693523813	3.210706498
SR6	1.07512744	0.99905837	1.17343266	1.43049885	1.27970543	1.430498846	2.712044499
SR7	1.39148021	1.68323169	1.75616388	2.25381514	2.00127523	2.253815135	4.272947829
SR8	1.01204419	1.08919170	1.10139557	1.30377114	1.29261973	1.303771141	2.471784831
SR9	1.54179049	1.65203198	2.09897542	1.84938625	1.70023989	2.098975418	3.979391351
SR10	1.59221564	1.96030781	1.98971342	1.84365063	1.91188766	1.98971342	3.772244452
SR11	1.35766245	1.41460504	1.46578031	1.40712402	2.02162368	2.021623676	3.832742252
SR12	1.54706544	1.74928207	1.48792067	1.87820116	2.20563175	2.205631754	4.181598245
SR13	1.50692306	1.70389279	1.41130243	1.85865444	2.09205584	2.092055843	3.966272713
SR14	1.24957749	1.26340013	1.08645636	1.26340013	1.51394087	1.513940869	2.870239997
SR15	1.04204063	1.08186537	0.90079273	1.08186537	1.29455783	1.29455783	2.454317562
SR16	0.90197657	0.95328128	0.78556260	0.95328128	1.14021715	1.140217147	2.161707190
SR17	0.78131462	0.84207269	0.78264137	0.93952032	1.07278064	1.072780642	2.033856123
SR18	0.67924854	0.72524844	0.68688352	0.79887952	0.94494158	0.944941583	1.791489472
SR19	0.97917484	1.22030836	1.47205831	1.24974323	1.14150019	1.472058309	2.790835972
SR20	1.09624714	1.48423304	1.74181077	1.47950484	1.28128984	1.741810765	3.302252439
SR21	1.28802206	1.73745411	1.88101675	1.59810084	1.33570532	1.881016752	3.566169345
SR22	1.21732265	1.20925020	1.07665259	1.21732265	1.45590077	1.455900775	2.760203335
SR23	1.87318022	1.80443432	1.65673929	1.87318022	2.17246129	2.172461285	4.118711241
SR24	0.76225297	0.83578546	0.87889242	1.18368241	1.03059344	1.18368241	2.244111819
SR25	0.96077978	1.08153912	1.15426113	1.19041973	1.40434096	1.40434096	2.662452462
SR26	1.33769842	1.53304829	1.36166662	1.64961428	1.93375543	1.933755428	3.666155190
SR27	1.54512989	1.75777342	1.64781605	2.03541329	2.02255557	2.035413287	3.858885607
SR28	1.73650619	1.68052768	1.53585539	1.73650619	2.02328639	2.023286395	3.835894556
SR29	1.47169478	1.67200160	1.72905698	2.14188737	1.90579944	2.141887373	4.060746977
SR30	1.91785700	1.84709215	1.69625551	1.91785700	2.22381942	2.223819422	4.216079758
SR31	1.39530104	1.62001925	1.76495368	2.18774763	1.84775218	2.187747635	4.147692221
SR32	1.21960910	1.32101501	1.43929909	1.73143936	1.54611072	1.731439355	3.282589560
SR33	1.18881979	1.28204847	1.39686091	1.67116502	1.50781526	1.671165021	3.168317063
SR34	1.18514843	1.30965731	1.39692454	1.65670675	1.50554835	1.656706753	3.140906018
SR35	1.32517278	1.55712614	1.58458516	1.90636538	1.75159985	1.906365377	3.614227125
SR36	1.30707581	1.57294953	1.60973999	1.87254009	1.78229433	1.872540093	3.550098674
SR37	1.34536861	1.63908211	1.68559500	1.93168535	1.88459523	1.931685347	3.662230580
SR38	1.49067471	1.77958619	1.84209877	2.09060622	2.09913411	2.099134114	3.979692217
SR39	1.47498804	1.76017704	1.82273127	2.05618610	2.07526960	2.075269599	3.934448122
SR40	1.38819448	1.66915322	1.72536741	1.92883940	1.94526138	1.945261381	3.687969020
SR41	1.43623531	1.69921232	1.76680825	1.91618469	2.01544403	2.015444031	3.821026429
SR42	1.12814732	1.39268530	1.43125408	1.61708757	1.55394106	1.617087574	3.065793077
SR43	1.03086603	1.24490624	1.27400770	1.44503033	1.34451721	1.445030331	2.739594351
SR44	1.39924304	1.63761597	1.71083447	1.83006476	1.96005125	1.960051246	3.716008730
SR45	1.34472763	1.57334402	1.64525702	1.74570967	1.87909237	1.879092374	3.562520969
SR46	1.49150328	1.70644831	1.79506985	1.86491641	2.10263646	2.102636459	3.986332220
SR47	1.54619523	1.75423574	1.84949698	1.90223384	2.18631877	2.18631877	4.144983275
SR48	1.37858898	1.58623452	1.66761399	1.70160780	1.93268985	1.93268985	3.664134991
SR49	1.33227971	1.52453059	1.60641104	1.49926489	1.86599158	1.865991576	3.537683516
SR50	1.51563892	1.67649157	1.78219185	1.56330275	2.15199397	2.151993966	4.079907798
SR51	1.45436239	1.55029738	1.67364441	1.45436239	2.07688703	2.076887028	3.937514562
SR52	1.41385563	1.49390945	1.61765958	1.41385563	2.02230897	2.022308968	3.834041478
SR53	1.44828935	1.50579872	1.63628290	1.44828935	2.08701706	2.087017056	3.956719811
SR54	1.34405861	1.37907575	1.45637905	1.26151254	1.78981068	1.789810682	3.393254196
SR55	1.22864053	1.25544023	1.21716675	1.06501647	1.36484927	1.364849272	2.587581226
SR56	1.16168108	1.10726803	1.02685117	0.89783471	1.16231865	1.162318651	2.203608840
SR57	1.00857742	0.85559202	0.89637828	1.13520167	0.89390399	1.135201672	2.152198485
SR58	1.36469033	1.36938417	1.10729207	1.36723152	1.54206150	1.542061501	2.923553151
SR59	1.63875634	1.46074687	1.36957225	1.86515645	1.98919156	1.989191559	3.771255070

2021 - Existing Conditions

SR60	1.57749802	1.43424427	1.36422578	1.85787153	1.95310423	1.95310423	3.702838068
SR61	1.44026510	1.62940376	1.47843514	2.01331373	1.87662076	2.013313726	3.816987641
SR62	2.01694283	1.52742086	1.40287858	1.52742086	1.39474433	2.016942833	3.823867968
SR63	2.45020314	1.64727088	1.51295506	1.65324241	1.70097958	2.450203144	4.645274601
SR64	1.99959065	1.59481438	1.59481438	1.73689267	1.53553265	1.999590653	3.790970433
SR65	1.96433371	1.29345158	1.18798540	1.32540882	1.35920412	1.964333712	3.724127741
SR66	1.81441513	1.26284500	1.15987460	1.36282011	1.25198148	1.814415127	3.439901106
SR67	1.48877134	1.17376802	1.23860822	1.30403838	1.41183946	1.488771337	2.822521755
SR68	1.74762797	1.53101208	1.57980366	1.93860456	1.74762797	1.938604558	3.675348527
SR69	1.20529192	1.16760161	1.35741026	1.46145839	1.72564947	1.725649467	3.271612666
SR70	0.56389250	0.58456453	0.45755319	0.62945308	0.65418805	0.654188048	1.240257622
SR71	0.73515858	0.71855640	0.61027535	0.84816552	0.87623539	0.876235395	1.661231247
SR72	0.45655913	0.45655913	0.40648331	0.44603777	0.48373986	0.483739856	0.917109453
SR73	0.48906944	0.41893791	0.39541701	0.48789435	0.55474172	0.554741723	1.051719994
SR74	0.48783400	0.44441718	0.39348511	0.44441718	0.48783400	0.487834	0.924871431
CR1	0.92831586	0.90242594	0.81756453	0.89250196	0.87598515	0.928315856	1.759969200
CR2	0.67960188	0.57901894	0.57337791	0.63641308	0.57209937	0.679601876	1.288439017

Maximum : **4.645** **SR63**

Acrolein

Conversion Factor 10000
Molecular Weight 56.06

First Highest 1-Hour Average (ppm)*(10^4)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.243016	0.3078178	0.3192141	0.4154937	0.370918	0.4154937	0.100249202
SR2	0.2540365	0.3100882	0.3185529	0.4234044	0.3736591	0.4234044	0.102157874
SR3	0.269298	0.2838546	0.2946679	0.4041396	0.3543414	0.4041396	0.097509715
SR4	0.3050146	0.3828829	0.4002366	0.5176959	0.4610552	0.5176959	0.124908273
SR5	0.3298625	0.4204789	0.4409459	0.5642104	0.5061757	0.5642104	0.136131167
SR6	0.3523732	0.3257242	0.3853871	0.4759611	0.4245399	0.4759611	0.114838613
SR7	0.4564925	0.5501712	0.5747395	0.7510555	0.6618081	0.7510555	0.181212650
SR8	0.3405261	0.3662899	0.3615947	0.4334879	0.4338776	0.4338776	0.104684820
SR9	0.5107037	0.5476451	0.7027631	0.6164632	0.5692614	0.7027631	0.169560789
SR10	0.5224165	0.653437	0.6632389	0.6145511	0.637297	0.6632389	0.160024497
SR11	0.4454581	0.4715358	0.4885943	0.4711227	0.676865	0.676865	0.163312166
SR12	0.512451	0.583095	0.4923082	0.6288452	0.7384731	0.7384731	0.178176802
SR13	0.4991543	0.5679651	0.4630578	0.6223007	0.7004465	0.7004465	0.169001846
SR14	0.4395863	0.444272	0.3779619	0.444272	0.53399	0.53399	0.128839670
SR15	0.3747151	0.3881148	0.3749453	0.4325017	0.4999339	0.4999339	0.120622706
SR16	0.3269443	0.3440563	0.3283937	0.3819696	0.4556851	0.4556851	0.109946475
SR17	0.3092545	0.3079098	0.3289455	0.4013864	0.4552512	0.4552512	0.109841784
SR18	0.2787354	0.266094	0.2873244	0.3400282	0.4005546	0.4005546	0.096644736
SR19	0.4223202	0.5319515	0.6454767	0.5460857	0.4870897	0.6454767	0.155738881
SR20	0.4752683	0.6502292	0.7678273	0.6498597	0.5485383	0.7678273	0.185259304
SR21	0.5822719	0.763272	0.831162	0.7035865	0.5975533	0.831162	0.200540530
SR22	0.3998307	0.3971456	0.3514108	0.3998307	0.4802725	0.4802725	0.115878856
SR23	0.6152018	0.5926006	0.5407103	0.6152018	0.7166265	0.7166265	0.172905713
SR24	0.306444	0.3237472	0.3333359	0.4130055	0.3556119	0.4130055	0.099648856
SR25	0.3345584	0.3851393	0.4095384	0.3897103	0.4995574	0.4995574	0.120531865
SR26	0.4652492	0.5386289	0.483642	0.5843209	0.6808553	0.6808553	0.164274934
SR27	0.5246106	0.6017471	0.5321116	0.6896908	0.6970286	0.6970286	0.168177185
SR28	0.5703197	0.5519097	0.5012614	0.5703197	0.6674203	0.6674203	0.161033374
SR29	0.4969161	0.569	0.5583788	0.7032604	0.6509364	0.7032604	0.169680777
SR30	0.6298738	0.6066093	0.5536058	0.6298738	0.7335666	0.7335666	0.176992975
SR31	0.4742574	0.533372	0.5699928	0.7183393	0.6199706	0.7183393	0.173318973
SR32	0.408003	0.4260819	0.4744835	0.5687349	0.5036476	0.5687349	0.137222826
SR33	0.3975888	0.4217794	0.4641367	0.5489838	0.491187	0.5489838	0.132457334
SR34	0.3959215	0.4355004	0.4659977	0.544296	0.4904928	0.544296	0.131326274
SR35	0.4412801	0.5161764	0.5265782	0.6263005	0.5858531	0.6263005	0.151112099
SR36	0.4341264	0.5209401	0.5333956	0.6152723	0.5952634	0.6152723	0.148451245
SR37	0.4449596	0.5424398	0.5580752	0.6347256	0.6286932	0.6347256	0.153144885
SR38	0.4856364	0.5883952	0.6092701	0.6869311	0.6992103	0.6992103	0.168703579
SR39	0.4804946	0.5819283	0.6028185	0.6756516	0.691214	0.691214	0.166774254
SR40	0.45237	0.5519392	0.5707523	0.6338691	0.6481993	0.6481993	0.156395783
SR41	0.4675162	0.5613771	0.5838969	0.6284853	0.6707055	0.6707055	0.161826018
SR42	0.3723832	0.4607539	0.473758	0.5300395	0.5184608	0.5300395	0.127886504
SR43	0.3340885	0.4119858	0.42189	0.4738418	0.4489587	0.4738418	0.114327274

2021 - Existing Conditions

SR44	0.4551149	0.5405934	0.5649812	0.6001469	0.6516365	0.6516365	0.157225101
SR45	0.437324	0.5192295	0.5432144	0.5726937	0.6246308	0.6246308	0.150709238
SR46	0.4846169	0.5626962	0.5921869	0.6119468	0.6981213	0.6981213	0.168440828
SR47	0.5022115	0.5782541	0.6099343	0.624297	0.7255839	0.7255839	0.175066931
SR48	0.4479748	0.5229852	0.5501195	0.5586562	0.6418087	0.6418087	0.154853876
SR49	0.4327677	0.5023322	0.5296567	0.4927159	0.6194026	0.6194026	0.149447792
SR50	0.4917055	0.5517464	0.5868808	0.5142032	0.7131926	0.7131926	0.172077191
SR51	0.4717824	0.5101625	0.5510809	0.4717824	0.6882262	0.6882262	0.166053365
SR52	0.4586503	0.4915998	0.5326465	0.4586503	0.6701555	0.6701555	0.161693315
SR53	0.4697284	0.4954378	0.5386882	0.4697284	0.6914156	0.6914156	0.166822895
SR54	0.4410525	0.4532303	0.479659	0.4093779	0.5934029	0.5934029	0.143174655
SR55	0.4036338	0.412976	0.4012805	0.3505254	0.4533377	0.4533377	0.109380100
SR56	0.3827266	0.3650099	0.3360866	0.2957934	0.3813507	0.3827266	0.092343244
SR57	0.3277831	0.2800188	0.291189	0.3696001	0.2886814	0.3696001	0.089176117
SR58	0.4499318	0.4506816	0.3592145	0.4534463	0.5110544	0.5110544	0.123305830
SR59	0.5397265	0.4782783	0.448668	0.6176925	0.6583987	0.6583987	0.158856666
SR60	0.5195763	0.4696063	0.4469085	0.6152681	0.6464624	0.6464624	0.155976708
SR61	0.4717335	0.5371638	0.4841421	0.6664869	0.6210994	0.6664869	0.160808166
SR62	0.6653072	0.4984755	0.4535269	0.4984755	0.4600691	0.6653072	0.160523531
SR63	0.8082219	0.5375886	0.4891127	0.5375886	0.5610837	0.8082219	0.195005605
SR64	0.6595825	0.5148204	0.5148204	0.5615079	0.5011227	0.6595825	0.159142290
SR65	0.6479532	0.4221188	0.384055	0.4284819	0.4483457	0.6479532	0.156336404
SR66	0.5985013	0.4121307	0.3749678	0.4121307	0.4129775	0.5985013	0.144404783
SR67	0.4910847	0.363393	0.3306249	0.3657712	0.3717092	0.4910847	0.118487595
SR68	0.4531592	0.4915773	0.4031882	0.4370405	0.5048581	0.5048581	0.121810804
SR69	0.4585493	0.4687478	0.4862135	0.4025265	0.560585	0.560585	0.135256440
SR70	0.1835217	0.191998	0.1476568	0.2043305	0.2131119	0.2131119	0.051419066
SR71	0.2528984	0.2497911	0.2078229	0.291072	0.3013253	0.3013253	0.072702957
SR72	0.1488302	0.1466992	0.1297674	0.1442281	0.1562445	0.1562445	0.037698252
SR73	0.1691898	0.1440669	0.13446	0.1705461	0.1934421	0.1934421	0.046673189
SR74	0.1603278	0.1441026	0.1283287	0.1441026	0.1603278	0.1603278	0.038683460
CR1	0.2819173	0.2522943	0.272963	0.2690788	0.314249	0.314249	0.075821153
CR2	0.2298738	0.1676611	0.1783348	0.1818565	0.153415	0.2298738	0.055463332

Maximum : 0.201 SR21

First Highest 24-Hour Average (ppm)*(10^4)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.040898813	0.0479826	0.042073817	0.060540163	0.045395671	0.060540163	0.014606967
SR2	0.044574	0.048436517	0.045345467	0.060752742	0.0453499	0.060752742	0.014658258
SR3	0.043531442	0.047311296	0.0425867	0.0583189	0.0472122	0.0583189	0.014071027
SR4	0.051866954	0.059904483	0.048220688	0.068385504	0.059986842	0.068385504	0.016499870
SR5	0.053001675	0.066057163	0.050251817	0.073462104	0.065313013	0.073462104	0.017724739
SR6	0.04756305	0.064706975	0.053833967	0.077098796	0.061880783	0.077098796	0.018602190
SR7	0.066345742	0.091153225	0.068123325	0.099709142	0.084456596	0.099709142	0.024057553
SR8	0.052636617	0.066780871	0.060834713	0.084053508	0.066923779	0.084053508	0.020280204
SR9	0.080552796	0.083098246	0.085066058	0.101027542	0.116603067	0.116603067	0.028133674
SR10	0.088880579	0.091490829	0.110900517	0.108657333	0.121845025	0.121845025	0.029398440
SR11	0.086625275	0.085726625	0.105762863	0.096546458	0.106496646	0.106496646	0.025695224
SR12	0.097929163	0.097511971	0.11421675	0.107498308	0.117530296	0.117530296	0.028357393
SR13	0.092502479	0.094955067	0.108849238	0.105532771	0.115324533	0.115324533	0.027825193
SR14	0.098416479	0.112387075	0.115618758	0.102808508	0.132027138	0.132027138	0.031855152
SR15	0.099990158	0.112031379	0.118477038	0.102122429	0.138259521	0.138259521	0.033358885
SR16	0.087889717	0.098940483	0.103603163	0.090768558	0.12229115	0.12229115	0.029506080
SR17	0.084279942	0.094386233	0.099654013	0.0878869	0.120576863	0.120576863	0.029092461
SR18	0.071161029	0.080812567	0.085230079	0.076012404	0.104946871	0.104946871	0.025321299
SR19	0.149672171	0.140723825	0.117782742	0.124236596	0.12213595	0.149672171	0.036112499
SR20	0.169748458	0.156177613	0.137872996	0.142548829	0.151509221	0.169748458	0.040956451
SR21	0.183702888	0.166971183	0.153065963	0.157778083	0.173248683	0.183702888	0.044323338
SR22	0.088807967	0.091744313	0.07697025	0.074969529	0.08558315	0.091744313	0.022135821
SR23	0.099360183	0.125292779	0.09856195	0.104221908	0.113192517	0.125292779	0.030230305
SR24	0.080122846	0.103609146	0.080286025	0.102061063	0.087689738	0.103609146	0.024998536
SR25	0.101252171	0.121832975	0.11187395	0.104055438	0.107446179	0.121832975	0.029395532
SR26	0.129803254	0.147284113	0.141518083	0.131017546	0.134775408	0.147284113	0.035536314
SR27	0.118417054	0.124179404	0.122359842	0.114403433	0.131284217	0.131284217	0.031675902
SR28	0.086320008	0.114319129	0.089541525	0.094664533	0.1012143	0.114319129	0.027582612
SR29	0.113168917	0.116535117	0.11453355	0.120468975	0.132119608	0.132119608	0.031877464
SR30	0.094372263	0.124837513	0.100166629	0.104783321	0.111493125	0.124837513	0.030120459
SR31	0.110147775	0.113138521	0.112496567	0.123410079	0.133607946	0.133607946	0.032236566

2021 - Existing Conditions

SR32	0.082122125	0.084371263	0.09201135	0.099535996	0.108550583	0.108550583	0.026190793
SR33	0.079723646	0.0817466	0.089775083	0.096712588	0.105802367	0.105802367	0.025527710
SR34	0.079505138	0.081597229	0.090788213	0.096775404	0.106013988	0.106013988	0.025578770
SR35	0.09074555	0.094468825	0.107348363	0.111383	0.121521267	0.121521267	0.029320324
SR36	0.089988279	0.093560288	0.107969125	0.110652363	0.120814529	0.120814529	0.029149804
SR37	0.09322545	0.096969988	0.112829475	0.114608108	0.125095225	0.125095225	0.030182639
SR38	0.101415279	0.105469917	0.123606742	0.124285867	0.135573475	0.135573475	0.032710803
SR39	0.099984008	0.10391985	0.122103488	0.122627613	0.133744592	0.133744592	0.032269535
SR40	0.094094358	0.097717692	0.115100146	0.115761217	0.126287008	0.126287008	0.030470189
SR41	0.094924983	0.098325588	0.1175845	0.116908417	0.127544263	0.127544263	0.030773536
SR42	0.077295363	0.078574642	0.09387375	0.095112933	0.104577508	0.104577508	0.025232180
SR43	0.067613896	0.068171958	0.082351729	0.084781396	0.093154942	0.093154942	0.022476174
SR44	0.090017383	0.092630758	0.113293063	0.111470654	0.121691542	0.121691542	0.029361408
SR45	0.085868425	0.087632917	0.108528413	0.106567492	0.116419113	0.116419113	0.028089290
SR46	0.093517475	0.095824333	0.119397904	0.116039571	0.126596867	0.126596867	0.030544951
SR47	0.096388863	0.098655154	0.123379079	0.119449404	0.130337788	0.130337788	0.031447551
SR48	0.085817821	0.087685433	0.110230463	0.106935492	0.116918408	0.116918408	0.028209759
SR49	0.081126413	0.083607604	0.105968675	0.100336075	0.110868604	0.110868604	0.026750078
SR50	0.079387358	0.086098667	0.116920113	0.101669913	0.111365233	0.116920113	0.028210170
SR51	0.075948063	0.080921067	0.109420138	0.098887104	0.104435829	0.109420138	0.026400596
SR52	0.074207771	0.07866865	0.106384346	0.097779667	0.101706313	0.106384346	0.025668129
SR53	0.077696442	0.081716683	0.109694467	0.101963854	0.105177913	0.109694467	0.026466786
SR54	0.066451825	0.071247308	0.095199625	0.088629588	0.090885067	0.095199625	0.022969509
SR55	0.053511588	0.059475721	0.075778263	0.068546296	0.071273529	0.075778263	0.018283575
SR56	0.043084946	0.054344475	0.058921113	0.047020683	0.052665925	0.058921113	0.014216327
SR57	0.034900579	0.040163396	0.041118683	0.035073258	0.037030638	0.041118683	0.009921005
SR58	0.045812213	0.059666417	0.042839667	0.043783013	0.042112746	0.059666417	0.014396152
SR59	0.049810075	0.05227745	0.044645779	0.041725496	0.047397783	0.05227745	0.012613362
SR60	0.048185346	0.047727013	0.042999221	0.03967885	0.045506004	0.048185346	0.011626031
SR61	0.04791565	0.043930258	0.053628638	0.039482467	0.041542108	0.053628638	0.012939373
SR62	0.077046183	0.092986308	0.080441446	0.074199217	0.092709775	0.092986308	0.022435486
SR63	0.098237142	0.103739929	0.088604575	0.081446092	0.096917283	0.103739929	0.025030091
SR64	0.105652188	0.1042284	0.090667079	0.081323113	0.099244067	0.105652188	0.025491475
SR65	0.079407425	0.090068488	0.084566808	0.075072371	0.09273665	0.09273665	0.022375249
SR66	0.072592629	0.086644596	0.083818367	0.077998413	0.096029188	0.096029188	0.023169664
SR67	0.091718788	0.095977733	0.108079	0.097576817	0.112175988	0.112175988	0.027065520
SR68	0.109352346	0.102589383	0.124549213	0.103075808	0.145263054	0.145263054	0.035048679
SR69	0.095761104	0.102887721	0.097297288	0.087289717	0.12131055	0.12131055	0.029269483
SR70	0.022808383	0.026907204	0.030056613	0.023905058	0.026811917	0.030056613	0.007251979
SR71	0.03873155	0.040412938	0.04401235	0.035367817	0.0340293	0.04401235	0.010619181
SR72	0.017424233	0.023271642	0.016767592	0.015908346	0.023088138	0.023271642	0.005614919
SR73	0.017783463	0.018875033	0.022252996	0.017040429	0.018448167	0.022252996	0.005369143
SR74	0.022071454	0.025466633	0.019113633	0.019433113	0.019088021	0.025466633	0.006144521
CR1	0.063594871	0.067505113	0.059840754	0.066640025	0.053364588	0.067505113	0.016287452
CR2	0.041287042	0.044520296	0.039010533	0.041206675	0.033868554	0.044520296	0.010741737

Maximum : **0.044** **SR21**

Formaldehyde

Conversion Factor 1000
Molecular Weight 30.031

	First Highest 24-Hour Average (ppm)*(10)^3						
	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						ppm	(µg/m^3)
SR1	0.230607	0.270011392	0.238348721	0.3400424	0.256809842	0.3400424	0.439507462
SR2	0.251681	0.272532438	0.255280275	0.341170892	0.254776954	0.341170892	0.440966047
SR3	0.245739	0.266092913	0.239521071	0.327308104	0.266289875	0.327308104	0.423048285
SR4	0.292715	0.337147558	0.271251767	0.383704088	0.338990246	0.383704088	0.495940535
SR5	0.299113	0.371850025	0.282650354	0.412134471	0.369260708	0.412134471	0.532687028
SR6	0.268408	0.363941038	0.302508267	0.432425646	0.3499008	0.432425646	0.558913530
SR7	0.374449	0.513362446	0.383477913	0.5594502	0.477616117	0.5594502	0.723093760
SR8	0.296938	0.375445088	0.341744304	0.471508117	0.37829	0.471508117	0.609427930
SR9	0.454037	0.467895604	0.478141671	0.56523485	0.659405675	0.659405675	0.852286994
SR10	0.500976	0.514878521	0.626042721	0.607714692	0.688778308	0.688778308	0.890251352
SR11	0.486021	0.48159505	0.597495825	0.537696992	0.599095413	0.599095413	0.774335508
SR12	0.548281	0.547543175	0.645246546	0.59743845	0.659711558	0.659711558	0.852682350
SR13	0.512167	0.532569421	0.614892117	0.583452675	0.6442181	0.6442181	0.832656934
SR14	0.488755	0.5725662	0.570690396	0.517247821	0.647481313	0.647481313	0.836874662
SR15	0.482118	0.554481371	0.568955063	0.496041304	0.660619017	0.660619017	0.853855247

2021 - Existing Conditions

SR16	0.422618	0.489635267	0.496768346	0.432287808	0.583443613	0.583443613	0.754105434
SR17	0.400371	0.461845658	0.473639521	0.4142691	0.571359746	0.571359746	0.738486941
SR18	0.337186	0.395655121	0.404845229	0.357792521	0.498333675	0.498333675	0.644100174
SR19	0.671715	0.632227583	0.53498595	0.570816496	0.553254579	0.671715033	0.868196936
SR20	0.761887	0.7015239	0.624495375	0.653101433	0.684134988	0.761887438	0.984745473
SR21	0.825953	0.751515033	0.679374329	0.722512379	0.781738021	0.825952933	1.067550628
SR22	0.451074	0.500629113	0.394105383	0.395083517	0.461987875	0.500629113	0.647067044
SR23	0.525680	0.703377675	0.560810342	0.589979604	0.631019771	0.703377675	0.909121148
SR24	0.387412	0.500435075	0.388691029	0.513672642	0.435110892	0.513672642	0.663925908
SR25	0.509430	0.591533054	0.568251388	0.513207142	0.560009321	0.591533054	0.764561100
SR26	0.659512	0.720791283	0.725660367	0.653592671	0.706222483	0.725660367	0.937921701
SR27	0.641612	0.655685871	0.657160858	0.652676367	0.722162946	0.722162946	0.933401257
SR28	0.468687	0.645245883	0.511042283	0.537963204	0.576620458	0.645245883	0.833985352
SR29	0.626494	0.634561917	0.62815455	0.687967196	0.738031208	0.738031208	0.953911111
SR30	0.521188	0.707326229	0.571629625	0.596647317	0.635293546	0.707326229	0.914224685
SR31	0.616261	0.624430088	0.623151458	0.704794067	0.751810321	0.751810321	0.971720721
SR32	0.467504	0.482883271	0.517957267	0.568556933	0.618100129	0.618100129	0.798899252
SR33	0.454004	0.467868875	0.505915258	0.552442971	0.602739704	0.602739704	0.779045783
SR34	0.453008	0.467013108	0.512775104	0.552807838	0.604515983	0.604515983	0.781341638
SR35	0.517250	0.540642796	0.608309754	0.636200921	0.693732613	0.693732613	0.896654829
SR36	0.513100	0.535450192	0.612569663	0.632036504	0.690068713	0.690068713	0.891919209
SR37	0.531624	0.554953013	0.640682325	0.654621967	0.714738408	0.714738408	0.923804984
SR38	0.578397	0.603568729	0.702581946	0.709861425	0.774901342	0.774901342	1.001566046
SR39	0.570255	0.594703429	0.694106029	0.700399483	0.764504638	0.764504638	0.988128225
SR40	0.536666	0.559232433	0.654166875	0.661207596	0.721905446	0.721905446	0.933068436
SR41	0.541489	0.562719525	0.668977771	0.667754113	0.729411646	0.729411646	0.942770259
SR42	0.440911	0.449752838	0.533304017	0.543331233	0.597940733	0.597940733	0.772843076
SR43	0.385662	0.390267004	0.467724608	0.484342867	0.532734433	0.532734433	0.688563423
SR44	0.513557	0.530178121	0.645083404	0.636690046	0.696343346	0.696343346	0.900029222
SR45	0.489901	0.501614838	0.618056163	0.608676054	0.666336138	0.666336138	0.861244671
SR46	0.533563	0.548478196	0.680436133	0.662720367	0.724732346	0.724732346	0.936722227
SR47	0.549957	0.564652583	0.703317563	0.682170583	0.746210858	0.746210858	0.964483372
SR48	0.489620	0.498631179	0.628165096	0.610700875	0.669434238	0.669434238	0.865248989
SR49	0.462822	0.475573171	0.604060388	0.573073875	0.634856363	0.634856363	0.820556815
SR50	0.452997	0.490003092	0.667221675	0.580740267	0.637834325	0.667221675	0.862389235
SR51	0.433507	0.460542183	0.624578442	0.564757763	0.598058496	0.624578442	0.807272522
SR52	0.423627	0.447734833	0.607244329	0.55831265	0.582396808	0.607244329	0.784868046
SR53	0.443573	0.465122263	0.626208371	0.582026796	0.602247542	0.626208371	0.809379218
SR54	0.379371	0.407850938	0.543242213	0.505815808	0.520359396	0.543242213	0.702144810
SR55	0.305915	0.341177117	0.431970292	0.391195958	0.407942525	0.431970292	0.558324981
SR56	0.245898	0.311450579	0.335368413	0.268220788	0.301145067	0.335368413	0.433466297
SR57	0.201185	0.229174463	0.233281442	0.200435533	0.212860258	0.233281442	0.301518088
SR58	0.260907	0.340085033	0.244321025	0.249694404	0.238773825	0.340085033	0.439562566
SR59	0.283517	0.297369121	0.254723971	0.238772208	0.268714392	0.297369121	0.384351915
SR60	0.274243	0.271356829	0.245328833	0.227040021	0.257942329	0.274242508	0.354460587
SR61	0.272845	0.250488596	0.306803042	0.223784738	0.235381979	0.306803042	0.396545332
SR62	0.463690	0.565058504	0.486701796	0.461499867	0.571514838	0.571514838	0.738687399
SR63	0.560881	0.64147045	0.553276442	0.500826333	0.607249638	0.64147045	0.829105575
SR64	0.619811	0.661332825	0.577205067	0.520568317	0.64042015	0.661332825	0.854777850
SR65	0.492956	0.593947788	0.577621358	0.511994583	0.632111271	0.632111271	0.817008763
SR66	0.498003	0.590632458	0.589292233	0.539107021	0.668454267	0.668454267	0.863982369
SR67	0.648413	0.685192158	0.783637813	0.660323504	0.806073138	0.806073138	1.041855836
SR68	0.885345	0.592165229	0.698096921	0.598620367	0.846969067	0.885344604	1.144314827
SR69	0.633846	0.512761604	0.510199629	0.471965479	0.602488042	0.633846204	0.819251178
SR70	0.129229	0.151443808	0.170170983	0.13459215	0.146993742	0.170170983	0.219947327
SR71	0.194560	0.209261246	0.222738496	0.179794913	0.170433413	0.222738496	0.287891248
SR72	0.104208	0.142420233	0.103372692	0.094428767	0.142959708	0.142959708	0.184776541
SR73	0.093096	0.103195917	0.117416008	0.089497942	0.095767321	0.117416008	0.151761109
SR74	0.119065	0.139197263	0.103439138	0.106707908	0.104997104	0.139197263	0.179913551
CR1	0.424263	0.408292113	0.35147395	0.4033661	0.319547104	0.424263483	0.548363871
CR2	0.269406	0.266211288	0.227609179	0.246451854	0.200621575	0.269406196	0.348209616

Maximum : **1.144** **SR68**

Benzene

Conversion Factor	1000
Molecular Weight	78.11

First Highest 24-Hour Average (ppm)*(10)^3					
2018	**2019**	**2020**	**2021**	**2022**	**5-year Maximum**

2021 - Existing Conditions

Receptor ID						ppm	(µg/m^3)
SR1	0.035404125	0.041240396	0.03659785	0.052000158	0.039348421	0.052000158	0.174813388
SR2	0.038647633	0.041622163	0.039135133	0.052163996	0.038989742	0.052163996	0.175364175
SR3	0.037722925	0.04062385	0.036697683	0.050017933	0.040851892	0.050017933	0.168149573
SR4	0.044937346	0.051520413	0.041572346	0.058662721	0.052034183	0.058662721	0.197211495
SR5	0.045917663	0.056841075	0.043320283	0.063016154	0.056682454	0.063016154	0.211846805
SR6	0.041191338	0.055595504	0.046340996	0.066089108	0.053700221	0.066089108	0.222177419
SR7	0.057487646	0.078545396	0.058744333	0.085592746	0.073331654	0.085592746	0.287744468
SR8	0.045566242	0.057328933	0.052343254	0.072052813	0.058044404	0.072052813	0.242226114
SR9	0.069668854	0.071741954	0.07337665	0.086193583	0.101152554	0.101152554	0.340053209
SR10	0.076868533	0.078928467	0.096285508	0.092644746	0.105640025	0.105640025	0.355139124
SR11	0.074354254	0.073890767	0.091915742	0.081516696	0.091622313	0.091915742	0.309001025
SR12	0.083782271	0.083978879	0.099261075	0.090335538	0.1007619	0.1007619	0.338739914
SR13	0.077228867	0.081567496	0.094590075	0.087897933	0.097598	0.097598	0.328103560
SR14	0.069934871	0.083147358	0.081418296	0.074560821	0.092023271	0.092023271	0.309362515
SR15	0.067876233	0.079329267	0.079934525	0.0703663	0.092540442	0.092540442	0.311101133
SR16	0.059398317	0.070058063	0.069721113	0.0611121	0.081662792	0.081662792	0.274532804
SR17	0.055872325	0.065673029	0.066131429	0.057594342	0.079664088	0.079664088	0.267813589
SR18	0.046968338	0.056275038	0.056487208	0.050019954	0.069575008	0.069575008	0.233896267
SR19	0.090584438	0.085477917	0.072923096	0.077984421	0.075235075	0.090584438	0.304525466
SR20	0.102723671	0.094835021	0.084596554	0.089029904	0.092662542	0.102723671	0.345334967
SR21	0.111442546	0.101709433	0.091984296	0.098429817	0.105789867	0.111442546	0.374645956
SR22	0.064525738	0.075163358	0.057727221	0.059892708	0.069093283	0.075163358	0.252683102
SR23	0.079144883	0.107229167	0.086107604	0.090364846	0.095836171	0.107229167	0.360481478
SR24	0.055131917	0.070564383	0.054916558	0.07407775	0.064383096	0.07407775	0.249033520
SR25	0.073417721	0.083369642	0.082699804	0.073027254	0.082200938	0.083369642	0.280270868
SR26	0.095579946	0.102040375	0.105974071	0.0935728	0.103870971	0.105974071	0.356262115
SR27	0.096170996	0.096848588	0.098027513	0.100250679	0.108780867	0.108780867	0.365697961
SR28	0.071781829	0.098649329	0.078570421	0.082542379	0.088522446	0.098649329	0.331637903
SR29	0.094916867	0.095298713	0.094681304	0.105724467	0.112070517	0.112070517	0.376757059
SR30	0.080023275	0.108358504	0.087887521	0.091636925	0.097551842	0.108358504	0.364278069
SR31	0.093841667	0.094424558	0.094416558	0.108313271	0.114593396	0.114593396	0.385238438
SR32	0.071776921	0.074184575	0.079202888	0.087327879	0.094759913	0.094759913	0.318562518
SR33	0.0697132	0.071871938	0.077405133	0.084843796	0.092423546	0.092423546	0.310708154
SR34	0.069577792	0.071735542	0.0785384	0.084891329	0.092736083	0.092736083	0.311758838
SR35	0.079462871	0.083059863	0.09330685	0.097714429	0.106492529	0.106492529	0.358005061
SR36	0.078837	0.082253904	0.094016104	0.097062275	0.105951863	0.105951863	0.356187455
SR37	0.081688625	0.085250692	0.098368754	0.100530592	0.109757167	0.109757167	0.368980072
SR38	0.088883696	0.092727713	0.107920933	0.109024429	0.119025617	0.119025617	0.400138615
SR39	0.087634046	0.091361621	0.106624592	0.107565492	0.117429613	0.117429613	0.394773191
SR40	0.082469979	0.085901421	0.100482308	0.101531233	0.110879408	0.110879408	0.372752808
SR41	0.083218546	0.086425908	0.102807325	0.102519092	0.112048304	0.112048304	0.376682386
SR42	0.067756088	0.069041029	0.081908379	0.083371108	0.091819496	0.091819496	0.308677467
SR43	0.059266308	0.059874921	0.0718316	0.074275375	0.081794708	0.081794708	0.274976280
SR44	0.078933433	0.081395829	0.099173942	0.097702675	0.106978058	0.106978058	0.359637306
SR45	0.075301175	0.076988154	0.095027029	0.093372192	0.102368483	0.102368483	0.344140902
SR46	0.082018108	0.084189279	0.10464955	0.101670929	0.111359213	0.111359213	0.374365807
SR47	0.084541342	0.086671558	0.108181838	0.104652992	0.114666904	0.114666904	0.385485558
SR48	0.075266038	0.076613463	0.096609954	0.093646846	0.102859446	0.102859446	0.345791413
SR49	0.071149396	0.073077221	0.092915713	0.08780795	0.097554821	0.097554821	0.327958401
SR50	0.069629538	0.075313254	0.102676042	0.088935679	0.098042683	0.102676042	0.345174848
SR51	0.066620354	0.070784279	0.096121188	0.086469333	0.091940175	0.096121188	0.323138833
SR52	0.065095396	0.068815483	0.093453296	0.085478433	0.089535529	0.093453296	0.314169953
SR53	0.068158071	0.071489767	0.096376975	0.089122704	0.09259325	0.096376975	0.323998735
SR54	0.058280208	0.062630583	0.083594071	0.077412871	0.079993571	0.083594071	0.281025351
SR55	0.046826446	0.052046121	0.066444317	0.059807458	0.062689513	0.066444317	0.223371553
SR56	0.037644896	0.047504358	0.051555467	0.040919975	0.046239617	0.051555467	0.173318430
SR57	0.030630825	0.034918704	0.035819358	0.030831088	0.032499292	0.035819358	0.120417006
SR58	0.040122658	0.052320921	0.037573379	0.0383854	0.036638025	0.052320921	0.175891723
SR59	0.043592896	0.045720083	0.039182329	0.036760738	0.041242	0.045720083	0.153701122
SR60	0.042165154	0.041714038	0.037737208	0.034953342	0.0395876	0.042165154	0.141750212
SR61	0.041955575	0.038373317	0.047244988	0.034370696	0.036126654	0.047244988	0.158827523
SR62	0.067535017	0.081536925	0.069790029	0.064281863	0.080703379	0.081536925	0.274109668
SR63	0.086286767	0.091626288	0.077926296	0.072213358	0.084723392	0.091626288	0.308027942
SR64	0.093858	0.093134808	0.080599971	0.073080133	0.0878432	0.093858	0.315530481
SR65	0.070533367	0.082077333	0.078430625	0.068109833	0.083043783	0.083043783	0.279175402
SR66	0.066984883	0.080461425	0.078598017	0.069544438	0.086684017	0.086684017	0.291413087
SR67	0.082635271	0.089462425	0.099359867	0.082218813	0.102332942	0.102332942	0.344021419
SR68	0.111032313	0.075552846	0.076818025	0.076395113	0.094348129	0.111032313	0.373266839
SR69	0.078634846	0.062874654	0.067103525	0.058793388	0.07729345	0.078634846	0.264353499

2021 - Existing Conditions

SR70	0.019424679	0.022886508	0.025703267	0.020326517	0.022143288	0.025703267	0.086408874
SR71	0.02903075	0.031317933	0.033276646	0.026870454	0.025559896	0.033276646	0.111868952
SR72	0.015685942	0.021550154	0.015631613	0.014059429	0.021518292	0.021550154	0.072447000
SR73	0.013796817	0.015521629	0.017405633	0.013353204	0.014338363	0.017405633	0.058514009
SR74	0.017624142	0.020647542	0.015336867	0.015705775	0.015918333	0.020647542	0.069412610
CR1	0.054892	0.054974946	0.048646354	0.053599313	0.043114692	0.054974946	0.184813986
CR2	0.035290779	0.036386471	0.031939083	0.033478496	0.027517217	0.036386471	0.122323517

Maximum : **0.400** **SR38**

First Highest Annual Average (ppm)*(10)^3

	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.006116	0.005967	0.006615	0.006244	0.005812	0.006615176	0.022238806
SR2	0.007260465	0.006897	0.007540	0.007602	0.006951	0.007602439	0.025557770
SR3	0.007507948	0.007093	0.007602	0.007907	0.007415	0.007907489	0.026583284
SR4	0.012045386	0.011320	0.011931	0.012538	0.011885	0.012538178	0.042150667
SR5	0.012976178	0.012247	0.012889	0.013564	0.012826	0.013563567	0.045597805
SR6	0.011687543	0.011049	0.011634	0.012159	0.011550	0.012158582	0.040874548
SR7	0.01682137	0.016006	0.016876	0.017681	0.016725	0.017681446	0.059441231
SR8	0.013380907	0.012638	0.013291	0.013844	0.013219	0.013843551	0.046539053
SR9	0.024788928	0.023629	0.024643	0.025927	0.024665	0.025927426	0.087162449
SR10	0.026754846	0.025669	0.027073	0.028181	0.026942	0.028181065	0.094738700
SR11	0.024835141	0.023923	0.025072	0.026053	0.025025	0.02605329	0.087585577
SR12	0.028051948	0.027110	0.028219	0.029393	0.028249	0.029393448	0.098814474
SR13	0.026873682	0.026014	0.027003	0.028204	0.027127	0.028204208	0.094816503
SR14	0.019822173	0.021050	0.019852	0.020841	0.020187	0.021050296	0.070766583
SR15	0.019927481	0.021070	0.019938	0.020908	0.020151	0.021070495	0.070834490
SR16	0.017300972	0.018349	0.017356	0.018118	0.017514	0.018348642	0.061684201
SR17	0.016396005	0.017415	0.016439	0.017106	0.016570	0.017415151	0.058546006
SR18	0.013103574	0.014121	0.013169	0.013633	0.013284	0.014121263	0.047472661
SR19	0.030148558	0.030496	0.029741	0.032502	0.031653	0.032501798	0.109264080
SR20	0.034863401	0.035123	0.034293	0.037714	0.036550	0.037713621	0.126785110
SR21	0.038512768	0.038744	0.037820	0.041710	0.040332	0.041709582	0.140218675
SR22	0.02128913	0.022482	0.021286	0.022798	0.022349	0.022797926	0.076641741
SR23	0.026138936	0.027851	0.026111	0.027746	0.027468	0.027851033	0.093629203
SR24	0.019471096	0.019125	0.019598	0.020366	0.019309	0.020366375	0.068467387
SR25	0.026550284	0.025814	0.026534	0.028334	0.027275	0.028333984	0.095252782
SR26	0.034591196	0.033766	0.034618	0.036791	0.035426	0.036791084	0.123683739
SR27	0.032526271	0.031607	0.032415	0.034210	0.032817	0.03420968	0.115005614
SR28	0.022790417	0.024492	0.022818	0.024139	0.023941	0.024491958	0.082336715
SR29	0.032300723	0.031226	0.032156	0.033723	0.032377	0.033723379	0.113370771
SR30	0.024731168	0.026666	0.024768	0.026132	0.025936	0.026666127	0.089645803
SR31	0.032487499	0.031389	0.032299	0.033875	0.032490	0.033875333	0.113881610
SR32	0.024765949	0.023786	0.024755	0.026006	0.024783	0.026006208	0.087427297
SR33	0.023957467	0.023000	0.023970	0.025183	0.023988	0.025182954	0.084659693
SR34	0.023912232	0.022955	0.023956	0.025165	0.023962	0.025164612	0.084598033
SR35	0.027867676	0.026807	0.027946	0.029320	0.027935	0.029320485	0.098569186
SR36	0.027613559	0.026560	0.027722	0.029077	0.027701	0.029076612	0.097749340
SR37	0.02869276	0.027613	0.028822	0.030217	0.028792	0.030216681	0.101582006
SR38	0.031410797	0.030262	0.031561	0.033065	0.031514	0.03306515	0.111157949
SR39	0.030922213	0.029786	0.031078	0.032559	0.031031	0.032558699	0.109455369
SR40	0.028962816	0.027876	0.029117	0.030514	0.029078	0.030513908	0.102581221
SR41	0.029214438	0.028122	0.029398	0.030795	0.029351	0.030795169	0.103526760
SR42	0.023195268	0.022259	0.023359	0.024503	0.023326	0.024503121	0.082374240
SR43	0.020169868	0.019311	0.020343	0.021333	0.020300	0.02133303	0.071717073
SR44	0.027565752	0.026516	0.027774	0.029090	0.027730	0.029089509	0.097792694
SR45	0.026136796	0.025122	0.026351	0.027601	0.026312	0.027600963	0.092788524
SR46	0.028723598	0.027644	0.028961	0.030313	0.028917	0.030313208	0.101906510
SR47	0.029662963	0.028559	0.029911	0.031298	0.029864	0.031298033	0.105217279
SR48	0.026158793	0.025142	0.026390	0.027630	0.026361	0.027630282	0.092887085
SR49	0.024672433	0.023690	0.024895	0.026065	0.024889	0.026064966	0.087624829
SR50	0.02507122	0.024171	0.025378	0.026512	0.025342	0.026511506	0.089126003
SR51	0.023484319	0.022610	0.023814	0.024788	0.023743	0.02478797	0.083331844
SR52	0.022905274	0.022032	0.023224	0.024144	0.023147	0.024143573	0.081165519
SR53	0.023899755	0.022986	0.024209	0.025141	0.024130	0.025141079	0.084518920
SR54	0.020415136	0.019587	0.020692	0.021464	0.020622	0.0214642	0.072158041
SR55	0.015905346	0.015228	0.016104	0.016705	0.016080	0.016705229	0.056159399
SR56	0.012488241	0.011883	0.012556	0.012968	0.012520	0.012968118	0.043596033

2021 - Existing Conditions

SR57	0.009093006	0.008525	0.009089	0.009383	0.009066	0.009383382	0.031544920
SR58	0.011351911	0.011068	0.011111	0.011729	0.011587	0.011729238	0.039431185
SR59	0.009750993	0.009504	0.009588	0.010187	0.009947	0.010187054	0.034246692
SR60	0.009146144	0.008919	0.009020	0.009583	0.009343	0.009583312	0.032217042
SR61	0.008615757	0.008423	0.008698	0.009161	0.008907	0.009161113	0.030797699
SR62	0.016577259	0.018074	0.017043	0.017754	0.017070	0.018074308	0.060761951
SR63	0.018864039	0.020668	0.019274	0.020064	0.019352	0.020668016	0.069481440
SR64	0.020316557	0.022285	0.020730	0.021619	0.020811	0.022284844	0.074916871
SR65	0.018764212	0.020313	0.019043	0.019668	0.019105	0.020313091	0.068288259
SR66	0.018864884	0.020303	0.019156	0.019690	0.019292	0.020302678	0.068253252
SR67	0.021480836	0.022954	0.021935	0.022718	0.022362	0.022953915	0.077166142
SR68	0.019212853	0.020458	0.019399	0.020798	0.020136	0.02079789	0.069918049
SR69	0.017480551	0.018579	0.017815	0.018957	0.018293	0.018957058	0.063729566
SR70	0.006812613	0.006641	0.006778	0.007077	0.006922	0.007076708	0.023790376
SR71	0.008001735	0.007981	0.008064	0.008376	0.008178	0.008376274	0.028159238
SR72	0.004482413	0.004844	0.004482	0.004656	0.004620	0.004844289	0.016285463
SR73	0.003806655	0.003667	0.003750	0.004078	0.003848	0.004078005	0.013709378
SR74	0.004518395	0.004851	0.004617	0.004934	0.004837	0.00493444	0.016588530
CR1	0.01414849	0.014652	0.014045	0.015396	0.014818	0.015395818	0.051757441
CR2	0.007725741	0.008228	0.007798	0.008400	0.008094	0.008399821	0.028238400

Maximum : **0.140** **SR21**

1,3-Butadiene

Conversion Factor	10000
Molecular Weight	54.0916

First Highest 24-Hour Average (ppm)*(10)^4

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.069241196	0.080584746	0.071475171	0.101672971	0.076804258	0.101672971	0.02367003
SR2	0.07551465	0.0813294	0.076493958	0.101993433	0.076254513	0.101993433	0.02374463
SR3	0.07372335	0.079376346	0.071735846	0.097789008	0.079898217	0.097789008	0.02276582
SR4	0.087829654	0.100676304	0.0812652	0.114695267	0.101668942	0.114695267	0.02670169
SR5	0.08974675	0.111077058	0.084680021	0.1232068	0.110764129	0.1232068	0.02868322
SR6	0.080505288	0.108644517	0.090589917	0.129206713	0.104920808	0.129206713	0.03008003
SR7	0.112364575	0.153510283	0.114806133	0.167358317	0.143307058	0.167358317	0.03896193
SR8	0.08906405	0.11203495	0.102328946	0.140867421	0.113426229	0.140867421	0.03279471
SR9	0.136216025	0.140280408	0.143550517	0.168506813	0.197808908	0.197808908	0.04605100
SR10	0.150302496	0.154375392	0.188111617	0.181116213	0.206578879	0.206578879	0.04809270
SR11	0.145373254	0.144522863	0.179546788	0.159289821	0.179123029	0.179546788	0.04179948
SR12	0.163810667	0.164247813	0.193895583	0.176486925	0.196980296	0.196980296	0.04585809
SR13	0.150845213	0.159513979	0.184773233	0.17168425	0.190647725	0.190647725	0.04438384
SR14	0.136518996	0.162286817	0.158894767	0.145504908	0.17958205	0.17958205	0.04180769
SR15	0.132459358	0.154814079	0.155950913	0.137276583	0.180540158	0.180540158	0.04203074
SR16	0.115906613	0.136723017	0.136017317	0.119215533	0.159311271	0.159311271	0.03708854
SR17	0.109007625	0.128155088	0.128997196	0.112325504	0.155400238	0.155400238	0.03617803
SR18	0.091626271	0.109814113	0.110175054	0.097547283	0.135722279	0.135722279	0.03159689
SR19	0.176623988	0.166664275	0.142235438	0.151935958	0.146651746	0.176623988	0.04111903
SR20	0.200290608	0.184917629	0.164815704	0.173450567	0.180630621	0.200290608	0.04662875
SR21	0.217288013	0.198325846	0.179219979	0.191750113	0.206201363	0.217288013	0.05058584
SR22	0.125749254	0.146787092	0.112804842	0.117052292	0.134905358	0.146787092	0.03417284
SR23	0.154772954	0.209490692	0.168350783	0.176648742	0.187197083	0.209490692	0.04877058
SR24	0.107549492	0.137760279	0.107112471	0.144599792	0.125711975	0.144599792	0.03366363
SR25	0.143315246	0.162617458	0.161390954	0.142483879	0.160515213	0.162617458	0.03785824
SR26	0.186607288	0.199068613	0.206782363	0.182599675	0.202821346	0.206782363	0.04814007
SR27	0.187914225	0.1891729	0.191279621	0.195979188	0.212495825	0.212495825	0.04947019
SR28	0.140378317	0.192750996	0.153621488	0.161359708	0.173035533	0.192750996	0.04487349
SR29	0.185504883	0.186268004	0.184802192	0.206683083	0.218970988	0.218970988	0.05097765
SR30	0.156498492	0.211732988	0.171841979	0.179144208	0.190687408	0.211732988	0.04929260
SR31	0.18342	0.184598742	0.184322875	0.211744288	0.22392685	0.22392685	0.05213140
SR32	0.140300971	0.14497855	0.154677883	0.170707542	0.185209208	0.185209208	0.04311772
SR33	0.136265313	0.140456392	0.151169138	0.165849554	0.180643233	0.180643233	0.04205474
SR34	0.136000404	0.1401882	0.153384004	0.165940708	0.181258088	0.181258088	0.04219788
SR35	0.155333021	0.162327158	0.182223688	0.191011088	0.208161117	0.208161117	0.04846105
SR36	0.154108917	0.160749138	0.183609175	0.189733458	0.207104908	0.207104908	0.04821516

2021 - Existing Conditions

SR37	0.159685817	0.166607175	0.192108796	0.196513833	0.2145465	0.2145465	0.04994760
SR38	0.173755613	0.181224992	0.210761825	0.213120096	0.232671429	0.232671429	0.05416719
SR39	0.171311579	0.17855345	0.208230308	0.210266892	0.229550288	0.229550288	0.05344057
SR40	0.161213908	0.167876942	0.196235958	0.198467792	0.21674095	0.21674095	0.05045848
SR41	0.162678258	0.168898421	0.200775883	0.200395313	0.219025133	0.219025133	0.05099025
SR42	0.132439788	0.134907817	0.159966275	0.162955663	0.179467442	0.179467442	0.04178101
SR43	0.115840871	0.116983379	0.140288496	0.145168017	0.159862825	0.159862825	0.03721694
SR44	0.154300613	0.159056046	0.193680063	0.1909716	0.209106117	0.209106117	0.04868105
SR45	0.147198875	0.150434038	0.1855817	0.182501454	0.200090133	0.200090133	0.04658208
SR46	0.160335529	0.164509938	0.20437135	0.198725563	0.217669808	0.217669808	0.05067473
SR47	0.165270425	0.169361029	0.211268679	0.204554921	0.224137058	0.224137058	0.05218034
SR48	0.147134175	0.149801946	0.188671663	0.183035	0.201048279	0.201048279	0.04680514
SR49	0.139089663	0.142888008	0.181456825	0.171613929	0.190682854	0.190682854	0.04439201
SR50	0.136122558	0.147252296	0.200506263	0.173804117	0.19165655	0.200506263	0.04667896
SR51	0.130231083	0.138400275	0.187697308	0.168973179	0.179728992	0.187697308	0.04369696
SR52	0.127245233	0.134550704	0.182487679	0.167034492	0.175029613	0.182487679	0.04248413
SR53	0.133231458	0.139779963	0.188198321	0.174160433	0.181009888	0.188198321	0.04381360
SR54	0.113915763	0.122361413	0.163237525	0.151267567	0.156380742	0.163237525	0.03800259
SR55	0.091449825	0.101705225	0.129752879	0.1168504	0.122561896	0.129752879	0.03020718
SR56	0.073524958	0.092831088	0.1006845	0.07993705	0.090426579	0.1006845	0.02343990
SR57	0.059677671	0.068239596	0.069965408	0.060228367	0.063426679	0.069965408	0.01628833
SR58	0.078380554	0.102212367	0.073426121	0.075047117	0.07169135	0.102212367	0.02379560
SR59	0.085175858	0.089356063	0.076555967	0.071782958	0.080695767	0.089356063	0.02080258
SR60	0.082387133	0.0815326	0.073730733	0.068253996	0.077457871	0.082387133	0.01918018
SR61	0.081972183	0.074943408	0.092210942	0.067215563	0.070678738	0.092210942	0.02146721
SR62	0.132022433	0.157016571	0.134333033	0.123155925	0.154764717	0.157016571	0.03655432
SR63	0.168609508	0.1759629	0.149191471	0.140244833	0.161958075	0.1759629	0.04096513
SR64	0.182624738	0.1781266	0.153818092	0.141052375	0.167212921	0.182624738	0.04251604
SR65	0.137214254	0.156057233	0.148261925	0.129750504	0.156532433	0.156532433	0.03644161
SR66	0.126761175	0.152320304	0.1479047	0.131800258	0.162950742	0.162950742	0.03793583
SR67	0.156700571	0.168835467	0.187071238	0.157391688	0.192240979	0.192240979	0.04475476
SR68	0.205304508	0.14175745	0.156989017	0.142366175	0.190266021	0.205304508	0.04779602
SR69	0.150327638	0.126382746	0.130991708	0.115887704	0.153460742	0.153460742	0.03572650
SR70	0.037831808	0.044614833	0.05010445	0.03965385	0.0432344	0.05010445	0.01166459
SR71	0.056789688	0.061201367	0.065019979	0.052532888	0.049671083	0.065019979	0.01513701
SR72	0.030586588	0.041977813	0.030422025	0.02738885	0.041915	0.041977813	0.00977267
SR73	0.026951267	0.030311108	0.033922804	0.026064946	0.028023025	0.033922804	0.00789741
SR74	0.03442375	0.040302829	0.029944896	0.030657517	0.031016663	0.040302829	0.00938272
CR1	0.103858879	0.105624529	0.093435196	0.102952754	0.082703921	0.105624529	0.02458997
CR2	0.067129358	0.070105779	0.061469304	0.064171375	0.052747833	0.070105779	0.01632101

Maximum : **0.054** **SR38**

First Highest Annual Average (ppm)*(10)^4

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.011955	0.011665	0.012929	0.012207	0.011361	0.012928747	0.003009883
SR2	0.014193861	0.013485	0.014736	0.014862	0.013587	0.014861507	0.003459841
SR3	0.014677376	0.013866	0.014858	0.015457	0.014493	0.015457096	0.003598497
SR4	0.023548662	0.022130	0.023321	0.024510	0.023232	0.024509702	0.005705993
SR5	0.025368287	0.023944	0.025194	0.026514	0.025072	0.026514218	0.006172655
SR6	0.022848129	0.021601	0.022741	0.023767	0.022577	0.023766528	0.005532978
SR7	0.032886833	0.031293	0.032990	0.034565	0.032695	0.034564927	0.008046905
SR8	0.026158907	0.024707	0.025979	0.027061	0.025841	0.027060637	0.006299865
SR9	0.048463905	0.046199	0.048176	0.050686	0.048218	0.050686318	0.011800053
SR10	0.052308311	0.050187	0.052926	0.055092	0.052671	0.055092072	0.012825737
SR11	0.048547084	0.046767	0.049006	0.050926	0.048916	0.050925509	0.011855738
SR12	0.054832231	0.052993	0.055152	0.057452	0.055216	0.057452143	0.013375174
SR13	0.052512396	0.050833	0.052758	0.055111	0.053006	0.055110936	0.012830128
SR14	0.03866491	0.041064	0.038723	0.040652	0.039379	0.04106353	0.009559815
SR15	0.038864562	0.041097	0.038883	0.040777	0.039303	0.041096948	0.009567595
SR16	0.033742565	0.035789	0.033849	0.035337	0.034161	0.035788568	0.008331775
SR17	0.031975159	0.033965	0.032058	0.033362	0.032316	0.033965175	0.007907279
SR18	0.025556022	0.027542	0.025684	0.026591	0.025911	0.027542459	0.006412036

2021 - Existing Conditions

SR19	0.058770606	0.059450	0.057976	0.063354	0.061702	0.063354395	0.014749251
SR20	0.067961984	0.068471	0.066850	0.073513	0.071247	0.073513279	0.017114295
SR21	0.075075569	0.075529	0.073724	0.081302	0.078619	0.081301678	0.018927477
SR22	0.041534974	0.043861	0.041529	0.044476	0.043605	0.044476189	0.010354301
SR23	0.051041989	0.054388	0.050989	0.054180	0.053640	0.05438755	0.012661720
SR24	0.03799431	0.037319	0.038240	0.039740	0.037677	0.039739837	0.009251652
SR25	0.051801038	0.050366	0.051769	0.055276	0.053210	0.055276166	0.012868595
SR26	0.067496657	0.065889	0.067550	0.071782	0.069120	0.071782476	0.016711354
SR27	0.063518594	0.061726	0.063299	0.066800	0.064080	0.066800354	0.015551489
SR28	0.044517759	0.047843	0.044574	0.047152	0.046768	0.047843059	0.011138127
SR29	0.063102788	0.061005	0.062815	0.065877	0.063249	0.065876518	0.015336415
SR30	0.048321218	0.052103	0.048395	0.051059	0.050678	0.052103216	0.012129915
SR31	0.063479484	0.061335	0.063106	0.066186	0.063479	0.066185631	0.015408378
SR32	0.048402134	0.046490	0.048377	0.050822	0.048432	0.050821778	0.011831589
SR33	0.046822203	0.044954	0.046842	0.049213	0.046878	0.049213058	0.011457070
SR34	0.046734521	0.044867	0.046816	0.049178	0.046828	0.04917789	0.011448883
SR35	0.054468074	0.052398	0.054617	0.057303	0.054596	0.057302554	0.013340349
SR36	0.053971681	0.051915	0.054180	0.056826	0.054139	0.056826161	0.013229442
SR37	0.056081761	0.053975	0.056330	0.059055	0.056272	0.05905502	0.013748333
SR38	0.061395858	0.059153	0.061684	0.064624	0.061593	0.064623661	0.015044743
SR39	0.060440675	0.058222	0.060740	0.063634	0.060649	0.063633608	0.014814253
SR40	0.056609965	0.054489	0.056906	0.059636	0.056831	0.059636242	0.013883644
SR41	0.057102058	0.054970	0.057456	0.060186	0.057365	0.060186166	0.014011670
SR42	0.045334291	0.043507	0.045649	0.047886	0.045586	0.047885942	0.011148110
SR43	0.039419892	0.037744	0.039755	0.041689	0.039671	0.041689149	0.009705463
SR44	0.053878798	0.051829	0.054282	0.056852	0.054196	0.056851689	0.013235385
SR45	0.051085045	0.049103	0.051499	0.053942	0.051424	0.053941646	0.012557911
SR46	0.056142372	0.054036	0.056601	0.059244	0.056516	0.059243746	0.013792269
SR47	0.057978853	0.055825	0.058459	0.061169	0.058367	0.06116893	0.014240463
SR48	0.051127825	0.049144	0.051576	0.053999	0.051519	0.053998733	0.012571201
SR49	0.04822145	0.046303	0.048652	0.050938	0.048642	0.050938476	0.011858757
SR50	0.049000194	0.047244	0.049596	0.051811	0.049527	0.051811223	0.012061937
SR51	0.04589729	0.044191	0.046539	0.048442	0.046400	0.048441995	0.011277562
SR52	0.044765007	0.043062	0.045384	0.047182	0.045235	0.047182231	0.010984282
SR53	0.046709036	0.044926	0.047310	0.049132	0.047156	0.04913216	0.011438237
SR54	0.03989645	0.038280	0.040435	0.041944	0.040299	0.041944412	0.009764889
SR55	0.03108037	0.029758	0.031466	0.032642	0.031420	0.032642085	0.007599257
SR56	0.024400502	0.023220	0.024531	0.025338	0.024462	0.02533783	0.005898786
SR57	0.017764137	0.016656	0.017755	0.018332	0.017711	0.018331767	0.004267736
SR58	0.02216487	0.021612	0.021693	0.022905	0.022625	0.02290529	0.005332477
SR59	0.019038386	0.018557	0.018717	0.019892	0.019424	0.019891973	0.004630960
SR60	0.017856006	0.017412	0.017606	0.018711	0.018243	0.018711139	0.004356056
SR61	0.01682112	0.016444	0.016978	0.017887	0.017390	0.017886866	0.004164161
SR62	0.03212597	0.035038	0.033036	0.034428	0.033088	0.035037834	0.008157000
SR63	0.036392714	0.039896	0.037195	0.038736	0.037337	0.039895995	0.009288007
SR64	0.038934777	0.042748	0.039744	0.041472	0.039886	0.042748406	0.009952064
SR65	0.035772144	0.038760	0.036321	0.037538	0.036427	0.038760163	0.009023579
SR66	0.035870768	0.038632	0.036447	0.037468	0.036675	0.038632478	0.008993853
SR67	0.040847215	0.043639	0.041731	0.043144	0.042438	0.043639352	0.010159481
SR68	0.03767567	0.040174	0.037989	0.040625	0.039502	0.040624678	0.009457648
SR69	0.033919666	0.036124	0.034575	0.036779	0.035499	0.036779276	0.008562417
SR70	0.013308206	0.012972	0.013238	0.013826	0.013524	0.013826249	0.003218827
SR71	0.015646345	0.015605	0.015766	0.016381	0.015993	0.016380868	0.003813556
SR72	0.008742078	0.009448	0.008742	0.009080	0.009010	0.009448071	0.002199563
SR73	0.007430677	0.007159	0.007318	0.007959	0.007512	0.007959232	0.001852953
SR74	0.008821779	0.009472	0.009014	0.009633	0.009443	0.009633435	0.002242717
CR1	0.027264258	0.028262	0.027088	0.029687	0.028573	0.029687021	0.006911301
CR2	0.014919343	0.015905	0.015066	0.016234	0.015635	0.016233686	0.003779291

Maximum : **0.019** **SR21**

Sulphur Dioxide

Conversion Factor	100
Molecular Weight	64.07

2021 - Existing Conditions

	First Highest 1-Hour Average (ppm)*(10)^2						
	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						ppm	(µg/m^3)
SR1	0.0138213	0.0175791	0.0181996	0.0230873	0.0208427	0.0230873	0.6366361
SR2	0.0144518	0.0177091	0.0181605	0.0235288	0.020997	0.0235288	0.6488105
SR3	0.0153246	0.0162043	0.016763	0.0224481	0.0198799	0.0224481	0.6190100
SR4	0.0173739	0.0218861	0.0228426	0.0288099	0.0259389	0.0288099	0.7944377
SR5	0.0188001	0.0240463	0.025179	0.0314183	0.028494	0.0314183	0.8663648
SR6	0.0200769	0.0185977	0.0218997	0.026451	0.023801	0.026451	0.7293907
SR7	0.0260769	0.0315034	0.0328621	0.0419089	0.0373141	0.0419089	1.1556448
SR8	0.0188845	0.020319	0.0205103	0.0240505	0.0240489	0.0240505	0.6631965
SR9	0.0290494	0.0311265	0.0393638	0.0347502	0.031886	0.0393638	1.0854633
SR10	0.0300928	0.0368344	0.0373869	0.0346424	0.0359246	0.0373869	1.0309499
SR11	0.0256597	0.0265806	0.0275422	0.0263889	0.0379131	0.0379131	1.0454600
SR12	0.0291488	0.0328692	0.0281216	0.0352234	0.041364	0.041364	1.1406191
SR13	0.0283925	0.0320163	0.0266735	0.0348568	0.039234	0.039234	1.0818840
SR14	0.0223697	0.0226233	0.0195713	0.0226233	0.0270788	0.0270788	0.7467024
SR15	0.0183717	0.0191061	0.0159959	0.0191061	0.0228399	0.0228399	0.6298140
SR16	0.0158116	0.0167634	0.0137419	0.0167634	0.0200316	0.0200316	0.5523747
SR17	0.0135399	0.0146691	0.0121689	0.0146691	0.0175139	0.0175139	0.4829487
SR18	0.0108645	0.0126027	0.0107277	0.0121698	0.0145519	0.0145519	0.4012710
SR19	0.0147152	0.0182246	0.0217833	0.0185351	0.0172527	0.0217833	0.6006781
SR20	0.0163801	0.0220656	0.0256595	0.0218467	0.0193182	0.0256595	0.7075649
SR21	0.0185749	0.0257704	0.0276563	0.0235532	0.0201302	0.0276563	0.7626270
SR22	0.0227784	0.0226284	0.0202	0.0227784	0.0271925	0.0271925	0.7498377
SR23	0.0350521	0.0337662	0.0310846	0.0350521	0.0405766	0.0405766	1.1189064
SR24	0.0137182	0.0151168	0.0158369	0.0210511	0.0184338	0.0210511	0.5804875
SR25	0.0175414	0.0194159	0.0207766	0.0220464	0.0252584	0.0252584	0.6965045
SR26	0.0243621	0.0277624	0.0247907	0.0298116	0.0349791	0.0349791	0.9645544
SR27	0.0285181	0.0323092	0.0308635	0.0379547	0.0369461	0.0379547	1.0466071
SR28	0.0324944	0.0314476	0.0288164	0.0324944	0.0377903	0.0377903	1.0420737
SR29	0.027227	0.0308145	0.0323915	0.0399466	0.0349365	0.0399466	1.1015341
SR30	0.0358882	0.0345645	0.0318261	0.0358882	0.0415359	0.0415359	1.1453593
SR31	0.0256832	0.0303555	0.0330669	0.0408054	0.0344654	0.0408054	1.1252156
SR32	0.0225753	0.024742	0.0269533	0.0322899	0.0288086	0.0322899	0.8903993
SR33	0.022012	0.024012	0.0261582	0.0311667	0.0280924	0.0311667	0.8594269
SR34	0.0219617	0.0242764	0.0260252	0.0309012	0.0280521	0.0309012	0.8521057
SR35	0.0246069	0.0289397	0.0295684	0.0355707	0.0324705	0.0355707	0.9808679
SR36	0.0243102	0.0292605	0.0299371	0.0349452	0.0330677	0.0349452	0.9636196
SR37	0.0251864	0.0305096	0.031368	0.0360541	0.034987	0.0360541	0.9941977
SR38	0.0279259	0.0331483	0.0343059	0.0390272	0.0389991	0.0390272	1.0761815
SR39	0.0276339	0.0327895	0.033948	0.0383856	0.0385583	0.0385583	1.0632515
SR40	0.0260045	0.0310906	0.0321307	0.0360077	0.0361367	0.0361367	0.9964754
SR41	0.0269237	0.031673	0.0329274	0.0357058	0.0374687	0.0374687	1.0332056
SR42	0.021143	0.0259352	0.0266472	0.0300099	0.0288561	0.0300099	0.8275279
SR43	0.0191564	0.0231805	0.0237159	0.0268193	0.0249612	0.0268193	0.7395466
SR44	0.026245	0.0305437	0.0319031	0.0340041	0.036461	0.036461	1.0054181
SR45	0.0252256	0.0293511	0.0306854	0.0324486	0.0349591	0.0349591	0.9640029
SR46	0.0279927	0.0318513	0.0334974	0.0346871	0.0391407	0.0391407	1.0793112
SR47	0.0290251	0.0327507	0.0345209	0.0353938	0.0407079	0.0407079	1.1225270
SR48	0.0258732	0.0296105	0.0311206	0.0316666	0.0359752	0.0359752	0.9920221
SR49	0.0250099	0.0284702	0.0299889	0.027936	0.0347419	0.0347419	0.9580136
SR50	0.0284714	0.0313315	0.0332961	0.0292259	0.0400997	0.0400997	1.1057558
SR51	0.027322	0.0289751	0.0312703	0.027322	0.0387024	0.0387024	1.0672250
SR52	0.0265609	0.0279215	0.0302244	0.0265609	0.037685	0.037685	1.0391701
SR53	0.0272106	0.0281463	0.0305755	0.0272106	0.038896	0.038896	1.0725636
SR54	0.0246745	0.0254064	0.0272074	0.023695	0.0333448	0.0333448	0.9194883
SR55	0.0225673	0.0231446	0.0227253	0.0199029	0.025406	0.025406	0.7005746
SR56	0.0214349	0.0204802	0.0190008	0.0167686	0.0212891	0.0214349	0.5910709
SR57	0.0180736	0.0154676	0.0163414	0.0203989	0.0162036	0.0203989	0.5625030
SR58	0.0254924	0.0255995	0.0208083	0.0254728	0.0287412	0.0287412	0.7925433
SR59	0.0306267	0.0273689	0.0256538	0.034774	0.0370971	0.0370971	1.0229586
SR60	0.0294812	0.0268723	0.0255539	0.0346386	0.0364239	0.0364239	1.0043950
SR61	0.0269795	0.0304368	0.0276986	0.0375443	0.0349992	0.0375443	1.0352902
SR62	0.0376722	0.0286588	0.0264018	0.0286588	0.0260509	0.0376722	1.0388171
SR63	0.0457646	0.0309075	0.0284734	0.0311136	0.0317707	0.0457646	1.2619664
SR64	0.0373481	0.030014	0.030014	0.0326879	0.028811	0.0373481	1.0298800
SR65	0.0366896	0.0242688	0.0223575	0.0249438	0.025387	0.0366896	1.0117218
SR66	0.0338894	0.0236946	0.0218285	0.0236946	0.0233844	0.0338894	0.9345058
SR67	0.0278071	0.0208925	0.0192471	0.0208925	0.0191291	0.0278071	0.7667854

2021 - Existing Conditions

SR68	0.022412	0.0177534	0.0163552	0.0177534	0.0165805	0.022412	0.6180146
SR69	0.0157158	0.0131587	0.0153706	0.0143841	0.0183123	0.0183123	0.5049647
SR70	0.0098793	0.0104886	0.008318	0.0108245	0.0113175	0.0113175	0.3120819
SR71	0.013224	0.0131098	0.0109516	0.0150369	0.0155924	0.0155924	0.4299630
SR72	0.0082428	0.0082329	0.00729	0.0081012	0.0086439	0.0086439	0.2383570
SR73	0.0091427	0.0078949	0.0074468	0.0089375	0.0102764	0.0102764	0.2833734
SR74	0.008644	0.0078563	0.007027	0.0078563	0.008644	0.008644	0.2383597
CR1	0.0142319	0.0113318	0.0109883	0.0114066	0.0117148	0.0142319	0.3924470
CR2	0.0119037	0.0084526	0.0094156	0.0096275	0.0078181	0.0119037	0.3282465
					Maximum :	**1.262**	**SR63**

First Highest 24-Hour Average (ppm)*(10)^2

	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.002323875	0.002687163	0.002398408	0.003393333	0.002567442	0.003393333	0.09357172
SR2	0.002531458	0.002711742	0.002560783	0.003403471	0.002547492	0.003403471	0.09385127
SR3	0.002470733	0.002645325	0.002399429	0.003260613	0.002678163	0.003260613	0.08991193
SR4	0.002944025	0.003359475	0.002719421	0.003826571	0.003409788	0.003826571	0.10551832
SR5	0.003008296	0.003708008	0.002833683	0.004110975	0.003716267	0.004110975	0.11336081
SR6	0.002697417	0.003623471	0.003028717	0.004308617	0.003518738	0.004308617	0.11881081
SR7	0.003767583	0.00513025	0.003835379	0.005587833	0.004810163	0.005587833	0.15408542
SR8	0.002983875	0.003734629	0.003420379	0.004697542	0.003802946	0.004697542	0.12953548
SR9	0.004563121	0.004703288	0.00480915	0.005608654	0.006637046	0.006637046	0.18301763
SR10	0.005035229	0.00517225	0.006316763	0.006026504	0.006929375	0.006929375	0.19107865
SR11	0.00485785	0.004841238	0.006031817	0.005265379	0.005989242	0.006031817	0.16632834
SR12	0.005467892	0.005500504	0.006513813	0.005817096	0.006577788	0.006577788	0.18138357
SR13	0.004965925	0.005333833	0.006207167	0.005635433	0.006309617	0.006309617	0.17398872
SR14	0.004280879	0.005158225	0.004969804	0.004598067	0.005601117	0.005601117	0.15445171
SR15	0.004089963	0.004850821	0.00480605	0.004273488	0.005552213	0.005552213	0.15310317
SR16	0.003573304	0.004284283	0.004187308	0.003705454	0.004896146	0.004896146	0.13501203
SR17	0.00333735	0.003991392	0.003950554	0.003478029	0.004757863	0.004757863	0.13119884
SR18	0.002800533	0.003421204	0.003371779	0.003021296	0.004161488	0.004161488	0.11475370
SR19	0.005220075	0.004940229	0.004298167	0.004556621	0.004369063	0.005220075	0.14394443
SR20	0.005918067	0.005479813	0.004892929	0.005187546	0.005355296	0.005918067	0.16319166
SR21	0.006425029	0.005884138	0.0053169	0.005729058	0.0061081	0.006425029	0.17717124
SR22	0.003929413	0.004812783	0.003736963	0.0038636	0.004408683	0.004812783	0.13271329
SR23	0.005152233	0.006957308	0.005621271	0.005884192	0.006219642	0.006957308	0.19184892
SR24	0.003357692	0.004262063	0.003322625	0.004567475	0.004074271	0.004567475	0.12594887
SR25	0.004528213	0.0050293	0.005154617	0.004447604	0.005166042	0.005166042	0.14245445
SR26	0.005927458	0.006182288	0.006621608	0.005732242	0.006536096	0.006621608	0.18259194
SR27	0.006152883	0.006112179	0.006239029	0.006544554	0.006990488	0.006990488	0.19276384
SR28	0.00468115	0.006417546	0.005134979	0.005382917	0.005774246	0.006417546	0.17696488
SR29	0.006129758	0.006108654	0.006079883	0.006904871	0.007253283	0.007253283	0.20001048
SR30	0.005222867	0.007061163	0.005744054	0.005981417	0.00636465	0.007061163	0.19471272
SR31	0.006086179	0.006099367	0.006089663	0.007074092	0.007441779	0.007441779	0.20520828
SR32	0.004686513	0.004846117	0.005149938	0.005699313	0.00618725	0.00618725	0.17061444
SR33	0.004552158	0.004694475	0.005035467	0.005536429	0.006035758	0.006035758	0.16643703
SR34	0.004544108	0.004685129	0.005113546	0.005538838	0.006058517	0.006058517	0.16706459
SR35	0.005190754	0.00542615	0.006081667	0.006376938	0.006961517	0.006961517	0.19196497
SR36	0.005150375	0.005372771	0.006130842	0.006333296	0.006927342	0.006927342	0.19102259
SR37	0.005337013	0.005568621	0.006416588	0.006559646	0.007177129	0.007177129	0.19791052
SR38	0.005807638	0.006057888	0.007042054	0.0071148	0.007784896	0.007784896	0.21466978
SR39	0.005725979	0.005968271	0.006957788	0.007019104	0.007680533	0.007680533	0.21179197
SR40	0.0053884	0.005610571	0.006556683	0.006624054	0.007251646	0.007251646	0.19996533
SR41	0.005437688	0.005643875	0.006710988	0.006687013	0.007328821	0.007328821	0.20209344
SR42	0.004426825	0.004505375	0.005344483	0.005434163	0.006003433	0.006003433	0.16554566
SR43	0.003871954	0.003904825	0.004686892	0.004837596	0.005346892	0.005346892	0.14744142
SR44	0.005158083	0.005312608	0.006475838	0.006368892	0.006997313	0.006997313	0.19295204
SR45	0.004920904	0.00502295	0.006205496	0.006083954	0.006695546	0.006695546	0.18463078
SR46	0.005360317	0.005493633	0.006835413	0.006625458	0.007284754	0.007284754	0.20087829
SR47	0.00552545	0.005655646	0.007066783	0.006819675	0.007501508	0.007501508	0.20685533
SR48	0.004919142	0.005002729	0.0063103	0.006098988	0.006728308	0.006728308	0.18553421
SR49	0.00465025	0.004772221	0.00606965	0.0057134	0.006381829	0.006381829	0.17597999
SR50	0.004553533	0.004918908	0.006709663	0.005782388	0.006417	0.006709663	0.18502005
SR51	0.004352875	0.004623154	0.006281933	0.005619496	0.006017954	0.006281933	0.17322534
SR52	0.004252692	0.004494563	0.006107563	0.005554396	0.00586065	0.006107563	0.16841704
SR53	0.004452613	0.004669238	0.006298838	0.005792171	0.006061029	0.006298838	0.17369148
SR54	0.003806317	0.004089763	0.005462758	0.005027654	0.005235829	0.005462758	0.15063646

2021 - Existing Conditions

SR55	0.003045	0.003373496	0.004340725	0.003879179	0.0041024	0.004340725	0.11969621
SR56	0.002448954	0.003080175	0.003366588	0.002648188	0.003024504	0.003366588	0.09283420
SR57	0.001974217	0.002262388	0.002336925	0.0020171	0.002105208	0.002336925	0.06444109
SR58	0.002620496	0.003417621	0.002456233	0.00251	0.002391042	0.003417621	0.09424146
SR59	0.002846558	0.002984329	0.002561513	0.002405938	0.002690775	0.002984329	0.08229337
SR60	0.002753263	0.002722417	0.002467033	0.002287579	0.002582596	0.002753263	0.07592167
SR61	0.002740179	0.002491788	0.003090329	0.002240646	0.002356133	0.003090329	0.08521633
SR62	0.004411413	0.004867654	0.00412555	0.003978304	0.004651238	0.004867654	0.13422636
SR63	0.005636354	0.005383521	0.004460383	0.004570104	0.004780358	0.005636354	0.15542339
SR64	0.0059999	0.005330625	0.004508888	0.004463146	0.004788717	0.0059999	0.16544823
SR65	0.004500988	0.004508246	0.004098642	0.004008592	0.004231788	0.004508246	0.12431562
SR66	0.003626025	0.004282563	0.003942708	0.003666958	0.004207629	0.004282563	0.11809237
SR67	0.004019363	0.004468967	0.004697471	0.004062096	0.004780567	0.004780567	0.13182491
SR68	0.00490305	0.003873292	0.004152529	0.003775992	0.004869292	0.00490305	0.13520241
SR69	0.003790579	0.003360092	0.0036051	0.003214038	0.004150583	0.004150583	0.11445302
SR70	0.001242579	0.001463596	0.001654658	0.001310267	0.001422813	0.001654658	0.04562748
SR71	0.001928775	0.002055596	0.00219315	0.001773504	0.001673467	0.00219315	0.06047647
SR72	0.000980029	0.00134115	0.000963646	0.000867113	0.001327579	0.00134115	0.03698243
SR73	0.000894638	0.001004629	0.001125738	0.000865096	0.000943592	0.001125738	0.03104240
SR74	0.001124663	0.001313171	0.000968842	0.000989071	0.001003483	0.001313171	0.03621090
CR1	0.002676367	0.002877225	0.002622233	0.0027699	0.002309396	0.002877225	0.07933995
CR2	0.001947167	0.001975021	0.001780371	0.001776675	0.001548879	0.001975021	0.05446152

Maximum : **0.215** **SR38**

First Highest Annual Average (ppm)*(10)^2

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.000401	0.000391	0.000433	0.000409	0.000381	0.00043331	0.01194859
SR2	0.000475751	0.000452	0.000494	0.000498	0.000456	0.000498106	0.01373536
SR3	0.000491969	0.000465	0.000498	0.000518	0.000486	0.000518108	0.01428691
SR4	0.00078989	0.000742	0.000782	0.000822	0.000779	0.000822082	0.02266905
SR5	0.000850939	0.000803	0.000845	0.000889	0.000841	0.000889334	0.02452353
SR6	0.000766126	0.000724	0.000762	0.000797	0.000757	0.000796915	0.02197507
SR7	0.001103178	0.001049	0.001107	0.001159	0.001097	0.001159475	0.03197272
SR8	0.000877114	0.000828	0.000871	0.000907	0.000867	0.000907374	0.02502098
SR9	0.001624948	0.001549	0.001615	0.001700	0.001617	0.001699505	0.04686414
SR10	0.001753439	0.001682	0.001774	0.001847	0.001766	0.001846949	0.05092991
SR11	0.001622826	0.001563	0.001638	0.001703	0.001636	0.001703202	0.04696607
SR12	0.001830467	0.001768	0.001841	0.001919	0.001844	0.001919035	0.05291772
SR13	0.001744259	0.001687	0.001752	0.001832	0.001762	0.001832149	0.05052182
SR14	0.001203447	0.001281	0.001206	0.001267	0.001229	0.001281317	0.03533253
SR15	0.00119271	0.001264	0.001194	0.001253	0.001209	0.001264345	0.03486453
SR16	0.00103611	0.001102	0.001040	0.001087	0.001052	0.001101646	0.03037807
SR17	0.00097711	0.001040	0.000980	0.001022	0.000990	0.001040309	0.02868669
SR18	0.000783821	0.000846	0.000788	0.000818	0.000797	0.000846254	0.02333559
SR19	0.001746936	0.001772	0.001724	0.001884	0.001834	0.001883524	0.05193849
SR20	0.002018552	0.002039	0.001987	0.002183	0.002117	0.002183499	0.06021034
SR21	0.002231517	0.002251	0.002193	0.002416	0.002337	0.002416353	0.06663132
SR22	0.001306817	0.001384	0.001307	0.001399	0.001373	0.001398804	0.03857224
SR23	0.001657074	0.001769	0.001656	0.001759	0.001741	0.001769144	0.04878445
SR24	0.00119674	0.001173	0.001206	0.001253	0.001188	0.001252873	0.03454818
SR25	0.001622922	0.001577	0.001625	0.001731	0.001665	0.001730982	0.04773211
SR26	0.002124477	0.002073	0.002130	0.002258	0.002173	0.002257694	0.06225628
SR27	0.002068462	0.002009	0.002063	0.002175	0.002085	0.002174526	0.05996292
SR28	0.001459331	0.001571	0.001461	0.001546	0.001533	0.001570705	0.04331245
SR29	0.002080203	0.002010	0.002071	0.002172	0.002084	0.002171596	0.05988211
SR30	0.001594974	0.001722	0.001598	0.001686	0.001673	0.001721643	0.04747459
SR31	0.002103558	0.002032	0.002091	0.002193	0.002103	0.002193253	0.06047930
SR32	0.001616132	0.001552	0.001615	0.001697	0.001617	0.001696895	0.04679215
SR33	0.00156387	0.001501	0.001564	0.001644	0.001566	0.001643673	0.04532457
SR34	0.001561699	0.001499	0.001564	0.001643	0.001565	0.001643253	0.04531298
SR35	0.001821043	0.001751	0.001826	0.001916	0.001825	0.001915688	0.05282541
SR36	0.001804906	0.001736	0.001812	0.001900	0.001810	0.001900235	0.05239930
SR37	0.001875707	0.001805	0.001884	0.001975	0.001882	0.001975019	0.05446148
SR38	0.002053681	0.001978	0.002063	0.002162	0.002060	0.002161521	0.05960429
SR39	0.002021783	0.001947	0.002032	0.002128	0.002029	0.00212846	0.05869264
SR40	0.001893651	0.001822	0.001903	0.001995	0.001901	0.001994755	0.05500570
SR41	0.001910382	0.001839	0.001922	0.002013	0.001919	0.002013448	0.05552116

2021 - Existing Conditions

SR42	0.001516541	0.001455	0.001527	0.001602	0.001525	0.001601782	0.04416939
SR43	0.001318684	0.001262	0.001330	0.001394	0.001327	0.001394492	0.03845335
SR44	0.001802731	0.001734	0.001816	0.001902	0.001813	0.001902108	0.05245095
SR45	0.001709277	0.001643	0.001723	0.001805	0.001721	0.00180478	0.04976711
SR46	0.00187857	0.001808	0.001894	0.001982	0.001891	0.001982284	0.05466180
SR47	0.001940045	0.001868	0.001956	0.002047	0.001953	0.002046737	0.05643911
SR48	0.001710733	0.001644	0.001726	0.001807	0.001724	0.001806758	0.04982165
SR49	0.001613368	0.001549	0.001628	0.001704	0.001627	0.001704314	0.04699675
SR50	0.001639109	0.001580	0.001659	0.001733	0.001657	0.001733354	0.04779753
SR51	0.001535015	0.001478	0.001556	0.001620	0.001552	0.001620468	0.04468469
SR52	0.001497035	0.001440	0.001518	0.001578	0.001513	0.001578255	0.04352065
SR53	0.001562018	0.001502	0.001582	0.001643	0.001577	0.001643463	0.04531877
SR54	0.001333967	0.001280	0.001352	0.001403	0.001348	0.001402863	0.03868419
SR55	0.001038888	0.000995	0.001052	0.001091	0.001050	0.001091493	0.03009810
SR56	0.000815248	0.000776	0.000819	0.000847	0.000817	0.000846926	0.02335413
SR57	0.000593103	0.000556	0.000593	0.000612	0.000591	0.000612345	0.01688551
SR58	0.00073624	0.000718	0.000720	0.000762	0.000752	0.000761545	0.02099972
SR59	0.000632284	0.000616	0.000621	0.000661	0.000646	0.000661186	0.01823231
SR60	0.000592636	0.000578	0.000584	0.000622	0.000606	0.000621517	0.01713844
SR61	0.000558469	0.000546	0.000563	0.000594	0.000578	0.000594361	0.01638961
SR62	0.001014207	0.001110	0.001045	0.001093	0.001047	0.001109924	0.03060634
SR63	0.001123848	0.001238	0.001151	0.001203	0.001155	0.001237511	0.03412458
SR64	0.001157798	0.001280	0.001185	0.001243	0.001189	0.001280369	0.03530639
SR65	0.001019597	0.001113	0.001039	0.001080	0.001042	0.001113307	0.03069963
SR66	0.000988478	0.001073	0.001009	0.001043	0.001014	0.001073277	0.02959579
SR67	0.001066549	0.001147	0.001094	0.001133	0.001109	0.001147047	0.03163001
SR68	0.001006772	0.001080	0.001020	0.001086	0.001054	0.001085767	0.02994019
SR69	0.000931412	0.000997	0.000951	0.001010	0.000973	0.001009554	0.02783862
SR70	0.000445186	0.000433	0.000442	0.000463	0.000453	0.000463281	0.01277504
SR71	0.00052783	0.000526	0.000531	0.000554	0.000540	0.000553569	0.01526475
SR72	0.000281227	0.000304	0.000281	0.000292	0.000290	0.00030441	0.00839416
SR73	0.000246192	0.000237	0.000242	0.000263	0.000249	0.000263284	0.00726009
SR74	0.000283941	0.000305	0.000290	0.000310	0.000304	0.000310066	0.00855013
CR1	0.00074964	0.000783	0.000748	0.000816	0.000784	0.000815984	0.02250090
CR2	0.000430201	0.000462	0.000435	0.000468	0.000450	0.000467694	0.01289673

Maximum : **0.067** **SR21**

First Highest 10-min Average (ppm)*(10)^2

Receptor ID	2017	2018	2019	2020	2021	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.022826075	0.029032136	0.0300569	0.038129007	0.034422018	0.038129007	1.05141364
SR2	0.023867355	0.029246833	0.029992326	0.038858151	0.034676847	0.038858151	1.07151989
SR3	0.025308797	0.026761634	0.027684335	0.037073359	0.03283194	0.037073359	1.02230397
SR4	0.028693245	0.036145208	0.037724882	0.047579963	0.042838465	0.047579963	1.31202531
SR5	0.031048635	0.039712809	0.04158348	0.051887773	0.04705825	0.051887773	1.43081387
SR6	0.033157288	0.030714368	0.036167669	0.043684206	0.039307693	0.043684206	1.20459916
SR7	0.043066374	0.052028317	0.05427223	0.06921315	0.061624771	0.06921315	1.90856398
SR8	0.031188023	0.03355712	0.033873055	0.039719746	0.039717103	0.039719746	1.09527852
SR9	0.047975501	0.051405861	0.06500988	0.057390454	0.052660186	0.06500988	1.79265814
SR10	0.049698691	0.06083254	0.061745002	0.057212421	0.059329992	0.061745002	1.70262857
SR11	0.042377363	0.043898242	0.045486338	0.043581647	0.062614028	0.062614028	1.72659213
SR12	0.048139661	0.054283955	0.046443226	0.05817195	0.068313239	0.068313239	1.88374881
SR13	0.046890621	0.052875379	0.044051668	0.057566505	0.064795514	0.064795514	1.78674695
SR14	0.03694388	0.037362704	0.032322283	0.037362704	0.044721027	0.044721027	1.23318966
SR15	0.030341126	0.031553998	0.026417458	0.031553998	0.037720422	0.037720422	1.04014685
SR16	0.026113084	0.027684996	0.022694945	0.027684996	0.033082475	0.033082475	0.91225468
SR17	0.022361339	0.024226229	0.020097113	0.024226229	0.028924457	0.028924457	0.79759666
SR18	0.017942878	0.02081354	0.01771695	0.020098599	0.024032672	0.024032672	0.66270487
SR19	0.024302364	0.030098188	0.035975432	0.030610984	0.028493082	0.035975432	0.99202846
SR20	0.02705197	0.036441655	0.042377032	0.036080138	0.031904284	0.042377032	1.16855363
SR21	0.030676714	0.042560185	0.045674776	0.038898448	0.033245314	0.045674776	1.25948946
SR22	0.037618854	0.037371127	0.03336059	0.037618854	0.044908804	0.044908804	1.23836765
SR23	0.057889046	0.055765364	0.051336663	0.057889046	0.067012837	0.067012837	1.84789000
SR24	0.022655804	0.024965612	0.026154868	0.034766194	0.030443685	0.034766194	0.95868350
SR25	0.028969874	0.032065637	0.034312853	0.036409946	0.04171461	0.04171461	1.15028723
SR26	0.040234358	0.045850002	0.040942197	0.049234285	0.057768485	0.057768485	1.59297548
SR27	0.047098051	0.053359107	0.050971513	0.062682731	0.061017014	0.062682731	1.72848663
SR28	0.053664968	0.051936162	0.047590698	0.053664968	0.062411223	0.062411223	1.72099972

2021 - Existing Conditions

SR29	0.044965781	0.050890589	0.053495027	0.065972383	0.057698131	0.065972383	1.81919930
SR30	0.059269877	0.057083768	0.052561261	0.059269877	0.068597135	0.068597135	1.89157727
SR31	0.042416173	0.050132544	0.05461046	0.067390703	0.056920102	0.067390703	1.85830973
SR32	0.037283432	0.040861768	0.044513762	0.053327233	0.047577816	0.053327233	1.47050722
SR33	0.036353134	0.039656162	0.043200643	0.051472252	0.046395002	0.051472252	1.41935581
SR34	0.036270063	0.040092823	0.042980991	0.051033775	0.046328446	0.051033775	1.40726474
SR35	0.040638648	0.04779433	0.048832637	0.058745521	0.053625497	0.058745521	1.61991741
SR36	0.040148644	0.048324135	0.04944155	0.057712499	0.054611781	0.057712499	1.59143165
SR37	0.041595701	0.050387042	0.051804702	0.059543863	0.057781532	0.059543863	1.64193182
SR38	0.046120024	0.054744893	0.056656686	0.064453981	0.064407573	0.064453981	1.77732911
SR39	0.045637782	0.05415233	0.056065609	0.063394369	0.063679586	0.063679586	1.75597504
SR40	0.042946805	0.051346572	0.053064312	0.059467233	0.059680278	0.059680278	1.64569349
SR41	0.044464877	0.052308414	0.054380073	0.058968641	0.061880096	0.061880096	1.70635381
SR42	0.034917968	0.042832355	0.044008233	0.04956178	0.047656263	0.04956178	1.36667424
SR43	0.031637069	0.038282928	0.039167149	0.044292459	0.04122378	0.044292459	1.22137183
SR44	0.043343994	0.050443359	0.052688427	0.056158259	0.060215865	0.060215865	1.66046236
SR45	0.04166044	0.048473763	0.050677378	0.053589328	0.057735455	0.057735455	1.59206467
SR46	0.046230346	0.052602879	0.055321437	0.057286243	0.064641427	0.064641427	1.78249799
SR47	0.047935369	0.054088251	0.057011762	0.058453368	0.067229681	0.067229681	1.85386950
SR48	0.042729961	0.048902165	0.051396117	0.052297844	0.059413559	0.059413559	1.63833865
SR49	0.041304209	0.047018944	0.049527099	0.046136705	0.057376746	0.057376746	1.58217321
SR50	0.047020926	0.051744422	0.054988987	0.048266993	0.06622523	0.06622523	1.82617160
SR51	0.045122675	0.047852793	0.051643349	0.045122675	0.063917569	0.063917569	1.76253747
SR52	0.043865707	0.046112758	0.04991603	0.043865707	0.062237318	0.062237318	1.71620428
SR53	0.044938696	0.046484018	0.050495877	0.044938696	0.064237302	0.064237302	1.77135416
SR54	0.040750291	0.041959034	0.044933411	0.039132632	0.055069416	0.055069416	1.51854819
SR55	0.03727022	0.038223639	0.037531159	0.032869925	0.041958373	0.041958373	1.15700905
SR56	0.035400045	0.033823344	0.031380094	0.027693583	0.035159254	0.035400045	0.97616206
SR57	0.02984881	0.025544963	0.026988057	0.033689076	0.026760478	0.033689076	0.92898181
SR58	0.042101064	0.042277941	0.034365206	0.042068695	0.047466504	0.047466504	1.30889665
SR59	0.050580434	0.045200131	0.042367619	0.05742976	0.061266393	0.061266393	1.68943085
SR60	0.048688625	0.044379989	0.042202632	0.057206145	0.060154593	0.060154593	1.65877280
SR61	0.044557031	0.050266812	0.045744635	0.06200495	0.057801681	0.06200495	1.70979669
SR62	0.062216179	0.047330419	0.043602951	0.047330419	0.043023435	0.062216179	1.71562136
SR63	0.075580893	0.05104418	0.047024229	0.051384557	0.052469767	0.075580893	2.08415556
SR64	0.061680923	0.049568552	0.049568552	0.053984536	0.04758178	0.061680923	1.70086159
SR65	0.060593401	0.040080271	0.036923732	0.041195043	0.041926995	0.060593401	1.67087299
SR66	0.05596883	0.039131972	0.036050081	0.039131972	0.038619672	0.05596883	1.54334969
SR67	0.045923825	0.034504263	0.031786862	0.034504263	0.031591983	0.045923825	1.26635701
SR68	0.037013739	0.029319995	0.027010847	0.029319995	0.027382934	0.037013739	1.02065995
SR69	0.025954869	0.021731782	0.025384766	0.023755547	0.030243026	0.030243026	0.83395642
SR70	0.016315806	0.017322073	0.013737296	0.017876817	0.018691014	0.018691014	0.51540777
SR71	0.021839626	0.021651023	0.018086724	0.024833656	0.025751072	0.025751072	0.71009005
SR72	0.013613102	0.013596752	0.01203954	0.013379248	0.014275525	0.014275525	0.39364994
SR73	0.0150993	0.013038541	0.012298497	0.014760409	0.016971622	0.016971622	0.46799527
SR74	0.01427569	0.012974792	0.011605191	0.012974792	0.01427569	0.01427569	0.39365450
CR1	0.023504187	0.01871463	0.018147335	0.018838164	0.01934716	0.023504187	0.64813182
CR2	0.019659131	0.01395959	0.015549998	0.015899954	0.012911704	0.019659131	0.54210378

Maximum : **2.084** **SR63**

Benzo(a)pyrene

Conversion Factor	1000000
Molecular Weight	252.31

First Highest 24-Hour Average (ppm)*(10)^6

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.006441458	0.007482396	0.006654792	0.009431817	0.007136867	0.009431817	1.02E-04
SR2	0.007019892	0.007551304	0.007107517	0.009460971	0.007076475	0.009460971	1.03E-04
SR3	0.006851979	0.007368246	0.006661571	0.009067404	0.007426763	0.009067404	9.85E-05
SR4	0.008163483	0.009350142	0.007548392	0.010637483	0.009459083	0.010637483	1.16E-04
SR5	0.00834195	0.010317375	0.007865458	0.011427117	0.0103085	0.011427117	1.24E-04
SR6	0.0074817	0.010086092	0.008408475	0.011980138	0.009762583	0.011980138	1.30E-04
SR7	0.010446629	0.014262925	0.010650425	0.015524558	0.013340263	0.015524558	1.69E-04
SR8	0.008276017	0.010397738	0.009495988	0.013062392	0.010551167	0.013062392	1.42E-04
SR9	0.012653654	0.013048979	0.013328342	0.015616263	0.018408383	0.018408383	2.00E-04
SR10	0.013962438	0.014353017	0.017500071	0.016781929	0.019221163	0.019221163	2.09E-04
SR11	0.013496783	0.01342175	0.016710629	0.014714579	0.016647408	0.016710629	1.81E-04
SR12	0.015203058	0.015252942	0.018045954	0.016278208	0.018296883	0.018296883	1.99E-04

2021 - Existing Conditions

SR13	0.013899279	0.014802529	0.017196425	0.01581145	0.017619579	0.017619579	1.91E-04
SR14	0.012510571	0.01490165	0.014561454	0.013371463	0.016463663	0.016463663	1.79E-04
SR15	0.012117375	0.014184258	0.014264608	0.012594625	0.016522629	0.016522629	1.79E-04
SR16	0.010602775	0.012528904	0.012439154	0.010937225	0.014582671	0.014582671	1.58E-04
SR17	0.009963463	0.011731975	0.011787904	0.010299004	0.014218779	0.014218779	1.54E-04
SR18	0.008374625	0.010054713	0.010066779	0.008945354	0.0124234	0.0124234	1.35E-04
SR19	0.016054042	0.015167763	0.012962604	0.013851567	0.013327488	0.016054042	1.74E-04
SR20	0.018201996	0.016825196	0.01498585	0.015796163	0.016408546	0.018201996	1.98E-04
SR21	0.019744704	0.01804625	0.016292429	0.017447546	0.018727192	0.019744704	2.14E-04
SR22	0.011398621	0.013556679	0.010442554	0.010817396	0.012451258	0.013556679	1.47E-04
SR23	0.014320004	0.019401358	0.015594721	0.016357792	0.017306708	0.019401358	2.11E-04
SR24	0.009871204	0.012607283	0.009827342	0.013278883	0.011604558	0.013278883	1.44E-04
SR25	0.013156971	0.014856333	0.014865229	0.013042354	0.014799017	0.014865229	1.61E-04
SR26	0.017146121	0.018193567	0.019038183	0.016720833	0.018690017	0.019038183	2.07E-04
SR27	0.017356288	0.0174057	0.017639238	0.018154396	0.019642517	0.019642517	2.13E-04
SR28	0.012992267	0.017863967	0.014232213	0.014947363	0.016021646	0.017863967	1.94E-04
SR29	0.017161583	0.017195554	0.017062383	0.019147004	0.020272083	0.020272083	2.20E-04
SR30	0.014486504	0.019629013	0.015919767	0.016597421	0.017657075	0.019629013	2.13E-04
SR31	0.016979354	0.017064733	0.017031804	0.019615883	0.020747592	0.020747592	2.25E-04
SR32	0.013003183	0.013448813	0.014325875	0.015810913	0.017187296	0.017187296	1.87E-04
SR33	0.012629546	0.013029025	0.014002863	0.015360392	0.016764538	0.016764538	1.82E-04
SR34	0.012604958	0.013003792	0.014211279	0.015368317	0.01682315	0.01682315	1.83E-04
SR35	0.014395921	0.01505765	0.016888546	0.017691242	0.019321746	0.019321746	2.10E-04
SR36	0.014282467	0.014910675	0.017019679	0.017572104	0.019224429	0.019224429	2.09E-04
SR37	0.014799338	0.015453929	0.017809338	0.018200158	0.019915379	0.019915379	2.16E-04
SR38	0.016103108	0.016809958	0.019540771	0.019738775	0.021597767	0.021597767	2.35E-04
SR39	0.015876521	0.016561946	0.019306404	0.019474158	0.021308163	0.021308163	2.31E-04
SR40	0.014941025	0.015571125	0.018194071	0.018380513	0.020119438	0.020119438	2.18E-04
SR41	0.015076846	0.015664871	0.018617417	0.018558058	0.020331521	0.020331521	2.21E-04
SR42	0.012275517	0.012510542	0.014830975	0.015088308	0.016659363	0.016659363	1.81E-04
SR43	0.010737246	0.010845779	0.013006492	0.013439492	0.014839138	0.014839138	1.61E-04
SR44	0.014300908	0.014749421	0.017961354	0.017683192	0.01941065	0.01941065	2.11E-04
SR45	0.0136432	0.013947958	0.017210758	0.016897683	0.018573508	0.018573508	2.02E-04
SR46	0.014860479	0.015253083	0.018954896	0.018400688	0.020205083	0.020205083	2.19E-04
SR47	0.015317879	0.015702533	0.019595317	0.018940646	0.020805204	0.020805204	2.26E-04
SR48	0.013637608	0.01386915	0.017498763	0.016946729	0.018662263	0.018662263	2.03E-04
SR49	0.012892363	0.013229363	0.016830233	0.015888196	0.017700333	0.017700333	1.92E-04
SR50	0.012619929	0.013634433	0.0186013	0.016087963	0.017795288	0.0186013	2.02E-04
SR51	0.012070571	0.012814588	0.017415413	0.015637933	0.016688679	0.017415413	1.89E-04

2021 - Existing Conditions

SR52	0.011793375	0.012458325	0.016932054	0.015458146	0.016252592	0.016932054	1.84E-04
SR53	0.012347596	0.012942504	0.017461671	0.016118338	0.016807646	0.017461671	1.90E-04
SR54	0.010556867	0.011349338	0.015145246	0.013999308	0.01452115	0.015145246	1.64E-04
SR55	0.008465258	0.009424792	0.012036892	0.010814142	0.011380646	0.012036892	1.31E-04
SR56	0.006808525	0.008604446	0.009338108	0.007401058	0.008394246	0.009338108	1.01E-04
SR57	0.005516229	0.006325483	0.006485413	0.005593088	0.005867546	0.006485413	7.04E-05
SR58	0.00726565	0.009473225	0.006808863	0.0069576	0.006630296	0.009473225	1.03E-04
SR59	0.007891942	0.00827235	0.007100683	0.006669292	0.007460383	0.00827235	8.98E-05
SR60	0.007633404	0.007546596	0.006838875	0.006341292	0.007160575	0.007633404	8.29E-05
SR61	0.007597033	0.006933046	0.008567958	0.006211371	0.006532804	0.008567958	9.30E-05
SR62	0.012222704	0.013942458	0.011898396	0.011172613	0.013592825	0.013942458	1.51E-04
SR63	0.015618304	0.015481413	0.012988688	0.012796033	0.01407735	0.015618304	1.70E-04
SR64	0.016709771	0.015455967	0.013256629	0.012616717	0.014276263	0.016709771	1.81E-04
SR65	0.012539904	0.013278267	0.012353579	0.011439096	0.012920917	0.013278267	1.44E-04
SR66	0.010660279	0.012779388	0.012139158	0.011228617	0.013374275	0.013374275	1.45E-04
SR67	0.013470658	0.014131579	0.015598246	0.014138138	0.0158815	0.0158815	1.72E-04
SR68	0.015759092	0.014894975	0.01771605	0.014603146	0.020677829	0.020677829	2.25E-04
SR69	0.013420308	0.013654188	0.012633863	0.011611571	0.015877333	0.015877333	1.72E-04
SR70	0.003494996	0.00410765	0.004647129	0.003680779	0.004053375	0.004647129	5.05E-05
SR71	0.005417488	0.005780358	0.006205188	0.005006954	0.004716425	0.006205188	6.74E-05
SR72	0.002814113	0.003854613	0.00277895	0.002522346	0.003841317	0.003854613	4.19E-05
SR73	0.002544375	0.002828425	0.003184154	0.002445704	0.002650425	0.003184154	3.46E-05
SR74	0.003252154	0.003793363	0.002812333	0.002886763	0.002850088	0.003793363	4.12E-05
CR1	0.008832267	0.009528104	0.008367788	0.009307108	0.007395854	0.009528104	1.03E-04
CR2	0.005854071	0.006355846	0.005520021	0.005713538	0.0046951	0.006355846	6.90E-05

Maximum : **2.35E-04** **SR38**

First Highest Annual Average (ppm)*(10)^6

	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.001112	0.001085	0.001203	0.001135	0.001057	0.001202573	1.31E-05
SR2	0.001319997	0.001254	0.001371	0.001382	0.001264	0.001382104	1.50E-05
SR3	0.001365032	0.001289	0.001382	0.001438	0.001348	0.001437611	1.56E-05
SR4	0.002190638	0.002058	0.002170	0.002280	0.002162	0.002280011	2.48E-05
SR5	0.002359914	0.002227	0.002344	0.002466	0.002333	0.002466477	2.68E-05
SR6	0.002125288	0.002009	0.002115	0.002211	0.002100	0.002210746	2.40E-05
SR7	0.003059239	0.002911	0.003069	0.003215	0.003042	0.003215404	3.49E-05
SR8	0.002433195	0.002298	0.002416	0.002517	0.002404	0.002517151	2.73E-05
SR9	0.004507487	0.004296	0.004480	0.004714	0.004485	0.004714054	5.12E-05
SR10	0.004864481	0.004666	0.004921	0.005123	0.004899	0.005123443	5.56E-05
SR11	0.004510317	0.004344	0.004553	0.004732	0.004545	0.004732144	5.14E-05
SR12	0.005090966	0.004919	0.005120	0.005336	0.005128	0.005335645	5.79E-05
SR13	0.004864823	0.004708	0.004886	0.005108	0.004913	0.005107701	5.55E-05
SR14	0.003538958	0.003761	0.003545	0.003721	0.003605	0.003761165	4.08E-05
SR15	0.003553762	0.003760	0.003556	0.003729	0.003595	0.0037603	4.08E-05
SR16	0.003086715	0.003276	0.003097	0.003233	0.003126	0.003275938	3.56E-05
SR17	0.002923712	0.003107	0.002932	0.003051	0.002956	0.003107409	3.37E-05
SR18	0.002338455	0.002522	0.002351	0.002434	0.002371	0.002521506	2.74E-05
SR19	0.005351958	0.005417	0.005280	0.005770	0.005619	0.005769533	6.27E-05
SR20	0.006187414	0.006237	0.006087	0.006693	0.006487	0.00669307	7.27E-05
SR21	0.006835328	0.006880	0.006713	0.007402	0.007159	0.007402416	8.04E-05
SR22	0.003807787	0.004022	0.003807	0.004077	0.003999	0.004077042	4.43E-05
SR23	0.004703084	0.005014	0.004698	0.004992	0.004942	0.005013735	5.44E-05
SR24	0.003490278	0.003427	0.003514	0.003651	0.003462	0.003651266	3.96E-05
SR25	0.004752528	0.004621	0.004752	0.005072	0.004881	0.005071568	5.51E-05
SR26	0.00619295	0.006046	0.006201	0.006586	0.006341	0.006586038	7.15E-05
SR27	0.005858878	0.005693	0.005840	0.006161	0.005910	0.006161476	6.69E-05
SR28	0.004111305	0.004420	0.004116	0.004355	0.004319	0.004420442	4.80E-05
SR29	0.00583495	0.005640	0.005809	0.006091	0.005848	0.006091336	6.61E-05
SR30	0.004468855	0.004821	0.004476	0.004722	0.004687	0.004820573	5.23E-05
SR31	0.005876476	0.005677	0.005842	0.006127	0.005876	0.006126796	6.65E-05
SR32	0.004488711	0.004311	0.004486	0.004713	0.004492	0.004712937	5.12E-05

2021 - Existing Conditions

SR33	0.004342537	0.004169	0.004344	0.004564	0.004348	0.004564106	4.96E-05
SR34	0.004334805	0.004161	0.004342	0.004561	0.004344	0.004561269	4.95E-05
SR35	0.005052258	0.004860	0.005066	0.005315	0.005064	0.005315021	5.77E-05
SR36	0.00500646	0.004815	0.005025	0.005271	0.005022	0.005271104	5.72E-05
SR37	0.005202226	0.005006	0.005225	0.005478	0.005220	0.005477901	5.95E-05
SR38	0.005695086	0.005486	0.005721	0.005994	0.005714	0.005994376	6.51E-05
SR39	0.005606536	0.005400	0.005634	0.005903	0.005626	0.005902599	6.41E-05
SR40	0.00525134	0.005054	0.005278	0.005532	0.005272	0.005531954	6.01E-05
SR41	0.005297087	0.005099	0.005330	0.005583	0.005322	0.005583087	6.06E-05
SR42	0.004205785	0.004036	0.004235	0.004442	0.004229	0.004442395	4.82E-05
SR43	0.003657268	0.003501	0.003688	0.003868	0.003681	0.003867701	4.20E-05
SR44	0.004998272	0.004807	0.005035	0.005274	0.005028	0.005273985	5.73E-05
SR45	0.004739209	0.004555	0.004777	0.005004	0.004771	0.005004148	5.43E-05
SR46	0.005208208	0.005012	0.005250	0.005496	0.005243	0.005495862	5.97E-05
SR47	0.005378512	0.005178	0.005423	0.005674	0.005415	0.0056744	6.16E-05
SR48	0.004743162	0.004558	0.004784	0.005009	0.004780	0.005009468	5.44E-05
SR49	0.004473542	0.004295	0.004513	0.004726	0.004513	0.004725654	5.13E-05
SR50	0.004545375	0.004382	0.004600	0.004806	0.004595	0.004806393	5.22E-05
SR51	0.00425739	0.004099	0.004317	0.004494	0.004304	0.004493868	4.88E-05
SR52	0.00415233	0.003994	0.004210	0.004377	0.004196	0.004377022	4.75E-05
SR53	0.004332561	0.004167	0.004388	0.004558	0.004374	0.004557827	4.95E-05
SR54	0.00370077	0.003550	0.003750	0.003891	0.003738	0.003891233	4.23E-05
SR55	0.002883099	0.002760	0.002919	0.003028	0.002915	0.003028428	3.29E-05
SR56	0.002263491	0.002154	0.002275	0.002351	0.002269	0.002350811	2.55E-05
SR57	0.001647845	0.001545	0.001647	0.001701	0.001643	0.001700716	1.85E-05
SR58	0.002053072	0.002002	0.002009	0.002122	0.002096	0.002122164	2.30E-05
SR59	0.001763611	0.001719	0.001733	0.001843	0.001799	0.001842941	2.00E-05
SR60	0.001653895	0.001612	0.001630	0.001733	0.001690	0.001733249	1.88E-05
SR61	0.001558252	0.001523	0.001572	0.001657	0.001611	0.001657109	1.80E-05
SR62	0.002913455	0.003181	0.002999	0.003127	0.003002	0.003180667	3.45E-05
SR63	0.00325336	0.003574	0.003329	0.003471	0.003337	0.003573583	3.88E-05
SR64	0.003407332	0.003753	0.003484	0.003641	0.003490	0.00375337	4.08E-05
SR65	0.003084522	0.003351	0.003137	0.003247	0.003140	0.003351103	3.64E-05
SR66	0.003075342	0.003318	0.003131	0.003217	0.003139	0.003318367	3.60E-05
SR67	0.003532769	0.003767	0.003614	0.003707	0.003638	0.003767017	4.09E-05
SR68	0.003693757	0.003957	0.003701	0.003920	0.003878	0.003956904	4.30E-05
SR69	0.003182943	0.003416	0.003247	0.003449	0.003335	0.003449403	3.75E-05
SR70	0.001250605	0.001218	0.001243	0.001301	0.001271	0.001300527	1.41E-05
SR71	0.001483432	0.001480	0.001494	0.001556	0.001518	0.001556246	1.69E-05
SR72	0.000815621	0.000882	0.000816	0.000846	0.000839	0.000881568	9.57E-06
SR73	0.000693469	0.000668	0.000682	0.000743	0.000701	0.00074266	8.06E-06
SR74	0.000831922	0.000893	0.000850	0.000908	0.000889	0.000908143	9.86E-06
CR1	0.00249402	0.002593	0.002485	0.002723	0.002621	0.002722862	2.96E-05
CR2	0.001363578	0.001458	0.001379	0.001489	0.001431	0.001488733	1.62E-05
					Maximum :	**8.04E-05**	**SR21**

2041 - Future No Build

Carbon Monoxide (CO)

Conversion Factor: 1
MW 28.01

First Highest 1-Hour Average (ppm)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.4755642	0.6046563	0.6256633	0.8069522	0.723616	0.8069522	972.80166
SR2	0.4974436	0.6090884	0.6241763	0.8224406	0.7289181	0.8224406	991.47333
SR3	0.5275907	0.5563816	0.576165	0.7836079	0.6895977	0.7836079	944.65951
SR4	0.5991251	0.7544356	0.787164	1.0095823	0.9027407	1.0095823	1217.07747
SR5	0.6487879	0.8296614	0.8685796	1.1020559	0.9926975	1.1020559	1328.55678
SR6	0.6925822	0.6389254	0.755586	0.9243358	0.8288198	0.9243358	1114.31062
SR7	0.9023366	1.0894233	1.1364169	1.4742329	1.3033167	1.4742329	1777.22574
SR8	0.6608363	0.7117319	0.7063516	0.8381026	0.8434944	0.8434944	1016.85423
SR9	1.0260183	1.099381	1.4076343	1.2363069	1.1402304	1.4076343	1696.93941
SR10	1.0521778	1.3104572	1.330115	1.2324721	1.2780886	1.330115	1603.48790
SR11	0.8971789	0.9456575	0.9798676	0.9436585	1.3557602	1.3557602	1634.40385
SR12	1.0295286	1.1693873	0.9873159	1.2595767	1.4791611	1.4791611	1783.16681
SR13	1.0028151	1.1390449	0.9326256	1.2464682	1.4029942	1.4029942	1691.34565
SR14	0.693749	0.7023913	0.6089423	0.7023913	0.8477879	0.8477879	1022.03015
SR15	0.5409353	0.5660088	0.474159	0.5660088	0.6830279	0.6830279	823.40773
SR16	0.4561446	0.4890829	0.3996129	0.4890829	0.5901614	0.5901614	711.45477
SR17	0.374387	0.4135277	0.3284972	0.4135277	0.4989179	0.4989179	601.45838
SR18	0.2885472	0.3525089	0.2701842	0.3304603	0.3986655	0.3986655	480.60153
SR19	0.3099903	0.3523752	0.282964	0.3509765	0.423908	0.423908	511.03201
SR20	0.3772298	0.4144978	0.3329284	0.4144978	0.500609	0.500609	603.49705
SR21	0.4537497	0.4849409	0.3994091	0.4849409	0.5856392	0.5856392	706.00314
SR22	0.8064359	0.801388	0.7101204	0.8064359	0.9678342	0.9678342	1166.74906
SR23	1.2414912	1.1961622	1.0932189	1.2414912	1.4445951	1.4445951	1741.49661
SR24	0.4277004	0.5288838	0.5285075	0.6547276	0.5746622	0.6547276	789.29099
SR25	0.5541475	0.6040174	0.6518645	0.7754721	0.8001303	0.8001303	964.57769
SR26	0.7833658	0.8919457	0.859505	1.0520577	1.1367804	1.1367804	1370.41806
SR27	0.9664288	1.0989088	1.0710068	1.3404747	1.2579595	1.3404747	1615.97678
SR28	1.1508311	1.1139786	1.0133861	1.1508311	1.3453432	1.3453432	1621.84588
SR29	0.9310836	1.0584617	1.1241819	1.4110216	1.2060798	1.4110216	1701.02289
SR30	1.271101	1.2244377	1.1192926	1.271101	1.4787432	1.4787432	1782.66302
SR31	0.8830144	1.0524521	1.1476911	1.4414181	1.2074492	1.4414181	1737.66665
SR32	0.785184	0.8571067	0.9346663	1.1397868	1.0081152	1.1397868	1374.04235
SR33	0.7658297	0.8317187	0.9069807	1.1000156	0.982893	1.1000156	1326.09714
SR34	0.7654291	0.8470812	0.9057431	1.0906048	0.9814192	1.0906048	1314.75218
SR35	0.8623472	1.0128665	1.0308506	1.2559805	1.1428796	1.2559805	1514.11685
SR36	0.8557366	1.0249332	1.049125	1.2338119	1.1649897	1.2338119	1487.39203
SR37	0.8812235	1.069539	1.1001233	1.273083	1.2336313	1.273083	1534.73435
SR38	0.9656807	1.1633109	1.2044455	1.3783975	1.3766834	1.3783975	1661.69370
SR39	0.9556115	1.1508242	1.1919577	1.3556608	1.361138	1.361138	1640.88692
SR40	0.8989904	1.0909276	1.12784	1.2714162	1.2751199	1.2751199	1537.18989
SR41	0.93156	1.1125627	1.1569996	1.2606586	1.323375	1.323375	1595.36265
SR42	0.7459059	0.9094111	0.9346712	1.0558308	1.0169418	1.0558308	1272.83123
SR43	0.6707314	0.812515	0.8314336	0.942694	0.8789302	0.942694	1136.44190
SR44	0.9086031	1.0740103	1.121906	1.1971254	1.2886279	1.2886279	1553.47413
SR45	0.8733669	1.032496	1.0793492	1.1419179	1.2355886	1.2355886	1489.53389
SR46	0.9699632	1.1217391	1.179486	1.2211391	1.3847702	1.3847702	1669.37615
SR47	1.0060552	1.1539892	1.2160529	1.2461079	1.4407526	1.4407526	1736.86437
SR48	0.8964006	1.0430585	1.0958724	1.1137254	1.2724617	1.2724617	1533.98536
SR49	0.8667651	1.0038317	1.0567733	0.9788077	1.2291934	1.2291934	1481.82431
SR50	0.9879991	1.1066493	1.1753095	1.0330197	1.4208781	1.4208781	1712.90515
SR51	0.9473573	1.0207522	1.1018015	0.9473573	1.3706992	1.3706992	1652.41320
SR52	0.9204415	0.9826058	1.0639989	0.9204415	1.3340701	1.3340701	1608.25587
SR53	0.9422684	0.9893584	1.0752208	0.9422684	1.3762527	1.3762527	1659.10808
SR54	0.856054	0.8854891	0.9572345	0.82069	1.1796937	1.1796937	1422.15115
SR55	0.7819736	0.8016058	0.800302	0.7013251	0.8980489	0.8980489	1082.62108
SR56	0.7419504	0.7084616	0.6530724	0.5910665	0.7386072	0.7419504	894.44032

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SR57	0.6350365	0.5410249	0.5637139	0.7157924	0.561008	0.7157924	862.90618
SR58	0.8948784	0.8986278	0.7186651	0.8979331	1.0138034	1.0138034	1222.16612
SR59	1.0749192	0.9541426	0.8942382	1.2265759	1.3087212	1.3087212	1577.69712
SR60	1.0346667	0.936799	0.8907494	1.2217903	1.284933	1.284933	1549.01983
SR61	0.9403384	1.067997	0.9655479	1.3243707	1.2345256	1.3243707	1596.56300
SR62	1.3284439	0.9984937	0.9108472	0.9984937	0.9186376	1.3284439	1601.47334
SR63	1.6138077	1.0768404	0.9823176	1.0768404	1.1203377	1.6138077	1945.48676
SR64	1.3170139	1.0342736	1.0342736	1.1277125	1.0037968	1.3170139	1587.69418
SR65	1.2937932	0.8455434	0.7713233	0.8605487	0.8952294	1.2937932	1559.70103
SR66	1.195051	0.8255365	0.7530726	0.8255365	0.8246083	1.195051	1440.66477
SR67	0.9805679	0.7279105	0.6640158	0.7279105	0.6745523	0.9805679	1182.09986
SR68	0.7903204	0.6185411	0.5730935	0.6591786	0.6213475	0.7903204	952.75160
SR69	0.5514363	0.4539684	0.509287	0.5094694	0.5959147	0.5959147	718.39052
SR70	0.3393536	0.3644838	0.2853853	0.3685855	0.3883855	0.3883855	468.20873
SR71	0.4404398	0.441347	0.3574978	0.4986264	0.5199088	0.5199088	626.76345
SR72	0.2773096	0.2770587	0.2459234	0.2713557	0.2951376	0.2951376	355.79598
SR73	0.3140333	0.2695296	0.2514821	0.3061899	0.3538622	0.3538622	426.59000
SR74	0.2898043	0.2615224	0.2316227	0.2615224	0.2898043	0.2898043	349.36655
CR1	0.4967771	0.3914446	0.3797443	0.3965641	0.4050531	0.4967771	598.87759
CR2	0.4164051	0.2922802	0.3279175	0.3353908	0.2675416	0.4164051	501.98708

Maximum : **1945.487** **SR63**

First Highest 8-Hour Average (ppm)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.237802688	0.186834838	0.199681513	0.240529	0.23260395	0.2405286	289.96342
SR2	0.229589375	0.190015425	0.195102925	0.241923	0.231536338	0.241922813	291.64418
SR3	0.205184838	0.187370675	0.179893463	0.242337	0.208609125	0.242336725	292.14316
SR4	0.231326225	0.236785025	0.222908075	0.285755	0.249544213	0.285755375	344.48547
SR5	0.232869913	0.261203138	0.240566575	0.310396	0.273285088	0.310395863	374.19021
SR6	0.20893625	0.253495863	0.246219638	0.334252	0.247516688	0.334252338	402.94980
SR7	0.283374313	0.359853888	0.32832045	0.427836	0.3587275	0.427836025	515.76735
SR8	0.2298767	0.254107988	0.2739467	0.351457	0.268250225	0.351456888	423.69033
SR9	0.420415575	0.365653413	0.491861813	0.398008	0.422968825	0.491861813	592.95209
SR10	0.435877613	0.380911275	0.668585875	0.412158	0.4457823	0.668585875	805.99750
SR11	0.377566775	0.358301963	0.637772588	0.348340	0.4170276	0.637772588	768.85128
SR12	0.409208263	0.405277013	0.688748125	0.381998	0.462175063	0.688748125	830.30361
SR13	0.392509488	0.39410465	0.656369938	0.381168	0.444792938	0.656369938	791.27087
SR14	0.199821875	0.278702175	0.217691413	0.256211	0.32812445	0.32812445	395.56248
SR15	0.175392838	0.225910638	0.178860725	0.202413	0.269781838	0.269781838	325.22895
SR16	0.1654378	0.198167088	0.161276475	0.171575	0.2363392	0.2363392	284.91299
SR17	0.144951988	0.171979125	0.14398225	0.145294	0.205653388	0.205653388	247.92046
SR18	0.131924988	0.1470845	0.12715995	0.126850	0.171551263	0.171551263	206.80947
SR19	0.159967938	0.150750438	0.135439713	0.136343	0.17162525	0.17162525	206.89866
SR20	0.1758762	0.172693713	0.150561138	0.151000	0.197255313	0.197255313	237.79636
SR21	0.191734188	0.197438888	0.167112075	0.170491	0.2269071	0.2269071	273.54235
SR22	0.264501638	0.3192516	0.250466363	0.297300	0.36643155	0.36643155	441.74267
SR23	0.321300475	0.492828675	0.388677975	0.466917	0.5550945	0.5550945	669.18072
SR24	0.192924525	0.176766413	0.271015163	0.231884	0.196123313	0.271015163	326.71576
SR25	0.245558738	0.231798488	0.396974788	0.275457	0.2620258	0.396974788	478.56333
SR26	0.313034338	0.308237613	0.527568263	0.370211	0.349458688	0.527568263	635.99713
SR27	0.358681025	0.386248488	0.58152465	0.469878	0.401937463	0.58152465	701.04295
SR28	0.308586688	0.455083075	0.357696175	0.431134	0.515273863	0.515273863	621.17592
SR29	0.376192138	0.40061675	0.599051613	0.496209	0.426408825	0.599051613	722.17215
SR30	0.337050788	0.5043535	0.398271513	0.478792	0.56920035	0.56920035	686.18569
SR31	0.409211325	0.404484263	0.613415675	0.508142	0.454933175	0.613415675	739.48840
SR32	0.372807763	0.340790275	0.533476538	0.412311	0.396669888	0.533476538	643.11971
SR33	0.3647013	0.331676538	0.522423488	0.401044	0.386504925	0.522423488	629.79497
SR34	0.368450063	0.333548263	0.532042975	0.401343	0.3893844	0.532042975	641.39151
SR35	0.427767525	0.387962813	0.634897425	0.459908	0.4549437	0.634897425	765.38520

2041 - Future No Build

SR36	0.4279272	0.386987625	0.640852863	0.457028	0.454546913	0.640852863	772.56463
SR37	0.44433765	0.4017872	0.671255513	0.472824	0.47295745	0.671255513	809.21581
SR38	0.482080625	0.4368599	0.737364613	0.511676	0.515649313	0.737364613	888.91204
SR39	0.4761625	0.431262825	0.728621463	0.504997	0.509008738	0.728621463	878.37194
SR40	0.450572838	0.407110675	0.68653065	0.477500	0.4798956	0.68653065	827.63038
SR41	0.457039688	0.4128449	0.7034307	0.482134	0.487274238	0.7034307	848.00383
SR42	0.372549113	0.33289345	0.559564425	0.395119	0.3916307	0.559564425	674.56933
SR43	0.330093775	0.295369275	0.490679638	0.353076	0.345075388	0.490679638	591.52694
SR44	0.438394025	0.395414525	0.679349863	0.460465	0.466324588	0.679349863	818.97376
SR45	0.419944775	0.378276375	0.651102188	0.440784	0.445728363	0.651102188	784.92046
SR46	0.4573407	0.413585963	0.717602513	0.478350	0.488455613	0.717602513	865.08831
SR47	0.47077965	0.42652095	0.742056738	0.491855	0.50407475	0.742056738	894.56851
SR48	0.423375288	0.381947925	0.662470938	0.441442	0.45016505	0.662470938	798.62578
SR49	0.406053325	0.36577705	0.637379188	0.409941	0.431102363	0.637379188	768.37703
SR50	0.43364125	0.39681355	0.704123	0.413505	0.467732238	0.704123	848.83842
SR51	0.3915418	0.362074375	0.657606688	0.399938	0.423641625	0.657606688	792.76180
SR52	0.380110713	0.351230463	0.639030388	0.394642	0.411249038	0.639030388	770.36759
SR53	0.392022438	0.361430713	0.6586985	0.410123	0.423396138	0.6586985	794.07801
SR54	0.342442238	0.31346805	0.571362675	0.355963	0.367485113	0.571362675	688.79242
SR55	0.280593525	0.253614625	0.454186613	0.269653	0.29520655	0.454186613	547.53366
SR56	0.228949038	0.204530763	0.352191025	0.199279	0.236829488	0.352191025	424.57535
SR57	0.182723763	0.156051325	0.244416913	0.157547	0.1778886	0.244416913	294.65088
SR58	0.263159863	0.356736263	0.216444875	0.199478	0.203023838	0.356736263	430.05475
SR59	0.292228038	0.31284955	0.253264438	0.230309	0.24213975	0.31284955	377.14819
SR60	0.283309875	0.285512938	0.252384788	0.225185	0.234520625	0.285512938	344.19320
SR61	0.283134713	0.215005938	0.321079725	0.235980	0.22355065	0.321079725	387.06988
SR62	0.3749267	0.322345275	0.326608713	0.321170	0.3761307	0.3761307	453.43525
SR63	0.499178538	0.333220663	0.344368938	0.382370	0.376609875	0.499178538	601.77259
SR64	0.537174475	0.350001275	0.28340615	0.371659	0.351028275	0.537174475	647.57767
SR65	0.400579825	0.267031038	0.264495525	0.334642	0.323177288	0.400579825	482.90930
SR66	0.319137325	0.258063063	0.25019285	0.292074	0.310071713	0.319137325	384.72827
SR67	0.2460478	0.275406925	0.278227625	0.282439	0.33190995	0.33190995	400.12600
SR68	0.369629325	0.241512838	0.329378225	0.283657	0.262022163	0.369629325	445.59767
SR69	0.2269331	0.168685438	0.211622438	0.193178	0.202177913	0.2269331	273.57370
SR70	0.12062035	0.150362263	0.162191113	0.098471	0.113414913	0.162191113	195.52556
SR71	0.157869388	0.188171275	0.189852913	0.114389	0.127418813	0.189852913	228.87258
SR72	0.06526805	0.091438525	0.06901755	0.068111	0.081710963	0.091438525	110.23150
SR73	0.087157475	0.095201088	0.108123275	0.083362	0.080895025	0.108123275	130.34539
SR74	0.07471545	0.0923139	0.071935213	0.074890	0.080899463	0.0923139	111.28678
SR75	0.2374331	0.180122438	0.16616	0.175998	0.16584265	0.2374331	286.23172
SR76	0.160406613	0.131442863	0.116526225	0.131975	0.11911235	0.160406613	193.37430

Maximum : **894.569** **SR47**

Nitrogen Oxides (NOx)

Conversion Factor: 10

	First Highest 1-Hour Average (ppm)						
	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						ppm	ppb
SR1	0.1227499	0.1561765	0.160966	0.2042782	0.1844154	0.02042782	20.42782
SR2	0.1283853	0.1573241	0.160591	0.2081899	0.185769	0.02081899	20.81899
SR3	0.1362208	0.1438266	0.1489823	0.1985215	0.1759832	0.01985215	19.85215
SR4	0.1544301	0.1946032	0.2022765	0.2551281	0.2297301	0.02551281	25.51281
SR5	0.167141	0.213873	0.2230704	0.2782967	0.2524508	0.02782967	27.82967
SR6	0.1786638	0.1651214	0.1945791	0.2340418	0.2110134	0.02340418	23.40418
SR7	0.2320319	0.2803769	0.2914405	0.3714855	0.3308578	0.03714855	37.14855
SR8	0.1673366	0.1783742	0.1822756	0.2126146	0.212259	0.02126146	21.26146
SR9	0.2580464	0.2764974	0.3489103	0.3084512	0.282629	0.03489103	34.89103
SR10	0.2676528	0.3269512	0.3318557	0.3074945	0.3188755	0.03318557	33.18557
SR11	0.2282242	0.2359359	0.2444711	0.2339046	0.3360522	0.03360522	33.60522
SR12	0.2589293	0.2917552	0.2501207	0.3122112	0.3666396	0.03666396	36.66396

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SR13	0.2522108	0.284185	0.2372411	0.308962	0.3477601	0.03477601	34.77601
SR14	0.1767181	0.1788711	0.156085	0.1788711	0.2143442	0.02143442	21.43442
SR15	0.1391385	0.1453962	0.1226509	0.1453962	0.174143	0.0174143	17.4143
SR16	0.1178043	0.126002	0.103764	0.126002	0.1508918	0.01508918	15.08918
SR17	0.0975276	0.1072548	0.0863958	0.1072548	0.1283961	0.01283961	12.83961
SR18	0.0758481	0.0915631	0.0709803	0.0861983	0.1031667	0.01031667	10.31667
SR19	0.0799741	0.0877232	0.0857078	0.0874245	0.1049221	0.01049221	10.49221
SR20	0.0940175	0.1032415	0.0969549	0.1032415	0.1238959	0.01238959	12.38959
SR21	0.1133176	0.1210563	0.1025918	0.1210563	0.1452482	0.01452482	14.52482
SR22	0.2007879	0.1995128	0.1781951	0.2007879	0.2394104	0.02394104	23.94104
SR23	0.309084	0.2977876	0.2743052	0.309084	0.3573349	0.03573349	35.73349
SR24	0.1125139	0.1319533	0.1318595	0.1690765	0.1492973	0.01690765	16.90765
SR25	0.1434655	0.15419	0.1661472	0.195824	0.2024077	0.02024077	20.24077
SR26	0.2007255	0.2269906	0.2196635	0.2634631	0.2875661	0.02875661	28.75661
SR27	0.2470177	0.2787596	0.2734121	0.3353793	0.3184125	0.03353793	33.53793
SR28	0.2865152	0.2773285	0.2542758	0.2865152	0.3327849	0.03327849	33.27849
SR29	0.2377371	0.2681936	0.2869134	0.3529494	0.3047551	0.03529494	35.29494
SR30	0.3164545	0.3048266	0.2808463	0.3164545	0.3657814	0.03657814	36.57814
SR31	0.2252401	0.2694633	0.2928795	0.36051	0.3053169	0.036051	36.051
SR32	0.1951156	0.2196456	0.2386621	0.2851458	0.2552969	0.02851458	28.51458
SR33	0.1902386	0.2131526	0.2315983	0.2751902	0.2489469	0.02751902	27.51902
SR34	0.1900301	0.2127977	0.2303779	0.2727914	0.2485585	0.02727914	27.27914
SR35	0.2138704	0.253662	0.26171	0.3139915	0.2851462	0.03139915	31.39915
SR36	0.2120717	0.2563929	0.2626479	0.3083898	0.2903321	0.03083898	30.83898
SR37	0.2221203	0.2673705	0.2752092	0.318144	0.3071997	0.0318144	31.8144
SR38	0.2462863	0.2906075	0.3010652	0.3443719	0.3425087	0.03443719	34.43719
SR39	0.2436921	0.287461	0.2979134	0.3386851	0.3386067	0.03386851	33.86851
SR40	0.2292857	0.2725207	0.2819164	0.3176537	0.3172592	0.03176537	31.76537
SR41	0.2373666	0.277729	0.2889697	0.3151776	0.3289501	0.03289501	32.89501
SR42	0.1860558	0.2272032	0.2336688	0.2657515	0.2531002	0.02657515	26.57515
SR43	0.1709425	0.2030079	0.2078798	0.2372313	0.2187885	0.02372313	23.72313
SR44	0.2313386	0.2679524	0.2800264	0.3007974	0.3200588	0.03200588	32.00588
SR45	0.2223253	0.2575522	0.2693586	0.2867794	0.3068274	0.03068274	30.68274
SR46	0.2467692	0.2797026	0.2942133	0.3064069	0.3436494	0.03436494	34.36494
SR47	0.2558882	0.2876964	0.3032762	0.3125266	0.3574464	0.03574464	35.74464
SR48	0.2280513	0.2600674	0.2733448	0.2792722	0.3157803	0.03157803	31.57803
SR49	0.2204465	0.2502209	0.2635209	0.2451024	0.3049479	0.03049479	30.49479
SR50	0.2510948	0.2757164	0.2929115	0.2573064	0.3522007	0.03522007	35.22007
SR51	0.2407503	0.2543061	0.2745799	0.2407503	0.3397431	0.03397431	33.97431
SR52	0.2339108	0.2448015	0.2651587	0.2339108	0.3306649	0.03306649	33.06649
SR53	0.2394329	0.2464697	0.2679363	0.2394329	0.3410775	0.03410775	34.10775
SR54	0.2189144	0.2241195	0.2385775	0.208597	0.2924623	0.02924623	29.24623
SR55	0.1998971	0.2038288	0.1995545	0.1747314	0.2228204	0.02228204	22.28204
SR56	0.1885796	0.1794289	0.1674606	0.1473209	0.1896118	0.01896118	18.96118
SR57	0.1657678	0.1392335	0.147712	0.1857898	0.1477144	0.01857898	18.57898
SR58	0.2231312	0.2238903	0.1826091	0.222615	0.2512553	0.02512553	25.12553
SR59	0.2679015	0.2397275	0.2247382	0.303902	0.3241665	0.03241665	32.41665
SR60	0.2578735	0.2353703	0.2238588	0.3027128	0.3182746	0.03182746	31.82746
SR61	0.2363058	0.2663061	0.2426093	0.3280646	0.3057728	0.03280646	32.80646
SR62	0.3285966	0.2505223	0.2310867	0.2505223	0.2272292	0.03285966	32.85966
SR63	0.3991827	0.2701796	0.2492191	0.2723277	0.2771206	0.03991827	39.91827
SR64	0.3257697	0.2631516	0.2631516	0.2861065	0.2518529	0.03257697	32.57697
SR65	0.3200257	0.2121473	0.2185429	0.2183258	0.2214392	0.03200257	32.00257
SR66	0.2956012	0.2373663	0.2250199	0.3578356	0.2233635	0.03578356	35.78356
SR67	0.4937764	0.3506595	0.3521821	0.4901468	0.4220199	0.04937764	49.37764
SR68	0.4376186	0.3211992	0.5827101	0.4364746	0.5827101	0.05827101	58.27101
SR69	0.3076627	0.2640781	0.3279139	0.4487833	0.4242784	0.04487833	44.87833
SR70	0.0914481	0.0954347	0.0752502	0.1022881	0.1063677	0.01063677	10.63677
SR71	0.119221	0.1170495	0.0989491	0.1380033	0.1425206	0.01425206	14.25206
SR72	0.074539	0.074539	0.0663486	0.0724505	0.0790704	0.00790704	7.90704
SR73	0.0800187	0.0688879	0.0653443	0.0798388	0.0906523	0.00906523	9.06523
SR74	0.0786439	0.0726135	0.0633542	0.0726135	0.0786439	0.00786439	7.86439
CR1	0.1836446	0.1802751	0.205737	0.1863617	0.235104	0.0235104	23.5104
CR2	0.1267546	0.1190938	0.1018505	0.1209243	0.1118896	0.01267546	12.67546
					Maximum :	**58.271**	**SR68**

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	First Highest 24-Hour Average (ppm)						
	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						ppm	ppb
SR1	0.0206126	0.023624125	0.021297713	0.029936054	0.022644946	0.029936054	2.993605417
SR2	0.022472429	0.023835167	0.022655179	0.030018204	0.022474767	0.030018204	3.001820417
SR3	0.021926717	0.023231575	0.021213921	0.028730671	0.02373885	0.028730671	2.873067083
SR4	0.026134083	0.029562371	0.024049767	0.033725396	0.0302553	0.033725396	3.372539583
SR5	0.026704329	0.032649204	0.025059863	0.036231788	0.032987829	0.036231788	3.62317875
SR6	0.023925638	0.031865767	0.026781779	0.037954388	0.031229854	0.037954388	3.79543875
SR7	0.033446692	0.045257858	0.033940121	0.049292325	0.042718988	0.049292325	4.9292325
SR8	0.026458417	0.032828138	0.030249342	0.041378321	0.033755088	0.041378321	4.137832083
SR9	0.040464396	0.041630542	0.042635717	0.049223346	0.058987613	0.058987613	5.89876125
SR10	0.044659792	0.045841729	0.056117392	0.052894617	0.061568471	0.061568471	6.156847083
SR11	0.042783883	0.042837863	0.053599933	0.045990188	0.052763221	0.053599933	5.359993333
SR12	0.047993638	0.048654096	0.057882883	0.050942633	0.057858338	0.057882883	5.788288333
SR13	0.044335458	0.047181338	0.055157246	0.048841838	0.056345275	0.056345275	5.6345275
SR14	0.027983446	0.036524783	0.0317506	0.03113545	0.036129529	0.036524783	3.652478333
SR15	0.02386955	0.031345733	0.0275972	0.026043567	0.031131842	0.031345733	3.134573333
SR16	0.020589321	0.027595417	0.023896617	0.022316625	0.027476288	0.027595417	2.759541667
SR17	0.018218683	0.024713808	0.021703892	0.020176538	0.025519521	0.025519521	2.551952083
SR18	0.015470504	0.021214483	0.018495404	0.017540138	0.022507013	0.022507013	2.25070125
SR19	0.021059738	0.022996013	0.021355425	0.021362508	0.019457675	0.022996013	2.29960125
SR20	0.023800683	0.026150913	0.023823817	0.024087904	0.022513071	0.026150913	2.61509125
SR21	0.026870571	0.029621129	0.026048279	0.026933708	0.025606404	0.029621129	2.962112917
SR22	0.031383783	0.039854492	0.031653788	0.032798388	0.036357504	0.039854492	3.985449167
SR23	0.044917283	0.059872338	0.049396542	0.051405992	0.054750375	0.059872338	5.98723375
SR24	0.023637346	0.025071017	0.022815104	0.030719963	0.031521083	0.031521083	3.152108333
SR25	0.030843492	0.031477654	0.036701854	0.033786167	0.038691717	0.038691717	3.869171667
SR26	0.041574992	0.040090321	0.0485976	0.0456779	0.049764333	0.049764333	4.976433333
SR27	0.049920025	0.049815292	0.051550988	0.057790463	0.058710225	0.058710225	5.8710225
SR28	0.041123933	0.055553513	0.045350546	0.047301908	0.050891142	0.055553513	5.55535125
SR29	0.051636325	0.05271725	0.052064142	0.061071354	0.062235008	0.062235008	6.223500833
SR30	0.046015063	0.061466508	0.050726813	0.052703	0.056109458	0.061466508	6.146650833
SR31	0.052190946	0.054030079	0.052761875	0.062574163	0.064464029	0.064464029	6.446402917
SR32	0.041223296	0.042968575	0.045077138	0.050468567	0.054318829	0.054318829	5.431882917
SR33	0.040058583	0.041630613	0.044107217	0.049035679	0.053014092	0.053014092	5.301409167
SR34	0.040018442	0.041552429	0.044859321	0.049065483	0.053267854	0.053267854	5.326785417
SR35	0.04574325	0.048105675	0.053444954	0.056470804	0.061283217	0.061283217	6.128321667
SR36	0.045405079	0.047639979	0.053904642	0.056097733	0.0610219	0.0610219	6.10219
SR37	0.04705805	0.049375017	0.056437108	0.058101692	0.063247196	0.063247196	6.324719583
SR38	0.051215692	0.053701263	0.061966538	0.063005442	0.068640967	0.068640967	6.864096667
SR39	0.050497213	0.052910925	0.061227208	0.062164383	0.067727225	0.067727225	6.7727225
SR40	0.047518463	0.049751533	0.057691688	0.058682192	0.063947563	0.063947563	6.39475625
SR41	0.04795995	0.050053475	0.059079142	0.059257588	0.064666738	0.064666738	6.46667375
SR42	0.039035158	0.039990142	0.047016258	0.048204113	0.052955296	0.052955296	5.295529583
SR43	0.034134138	0.03467465	0.041224858	0.042957092	0.047172092	0.047172092	4.717209167
SR44	0.045494546	0.047132154	0.057029371	0.056484525	0.061787179	0.061787179	6.178717917
SR45	0.043399758	0.044568429	0.054650892	0.05398705	0.059136871	0.059136871	5.913687083
SR46	0.047279221	0.048725725	0.060218425	0.058779142	0.064358483	0.064358483	6.435848333
SR47	0.048736683	0.050153308	0.062263767	0.060500983	0.066279942	0.066279942	6.627994167
SR48	0.0433803	0.044066725	0.055588892	0.054142383	0.059440033	0.059440033	5.944003333
SR49	0.040991446	0.04203385	0.053474842	0.050729771	0.056340383	0.056340383	5.634038333
SR50	0.039987075	0.043138238	0.05908035	0.051109604	0.056336483	0.05908035	5.908035
SR51	0.038119771	0.040482242	0.055199483	0.049698229	0.052746746	0.055199483	5.519948333
SR52	0.037248413	0.039344175	0.053640204	0.049129375	0.051353763	0.053640204	5.364020417
SR53	0.039002596	0.040875175	0.055283654	0.051211454	0.053095804	0.055283654	5.528365417
SR54	0.033352604	0.035944263	0.04796015	0.04451165	0.045875929	0.04796015	4.796015
SR55	0.026888013	0.030292775	0.038128988	0.03443915	0.035965729	0.038128988	3.81289875
SR56	0.021571892	0.0276499	0.029566008	0.023636475	0.026556663	0.029566008	2.956600833
SR57	0.017848675	0.020310371	0.020509438	0.01773205	0.018801638	0.020509438	2.05094375
SR58	0.022938417	0.029909875	0.02149245	0.0219521	0.020919763	0.029909875	2.9909875
SR59	0.024914175	0.026095329	0.022420504	0.021076929	0.023534442	0.026095329	2.609532917
SR60	0.024097513	0.023802521	0.021594496	0.020039579	0.022587042	0.024097513	2.40975125
SR61	0.023984871	0.022078913	0.027064583	0.019586213	0.020602029	0.027064583	2.706458333
SR62	0.041570888	0.050082367	0.043475921	0.042910371	0.051045058	0.051045058	5.104505833
SR63	0.049287483	0.056877004	0.049491383	0.045510129	0.054483846	0.056877004	5.687700417

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SR64	0.054557542	0.058729821	0.051962996	0.047136558	0.058456529	0.058729821	5.872982083
SR65	0.045524271	0.053086338	0.053291475	0.047493854	0.058910108	0.058910108	5.891010833
SR66	0.046484738	0.053133621	0.055534146	0.056563704	0.064400246	0.064400246	6.440024583
SR67	0.068326492	0.080373058	0.079124933	0.079153608	0.077677504	0.080373058	8.037305833
SR68	0.0899561	0.082168342	0.103623442	0.090796425	0.122733983	0.122733983	12.27339833
SR69	0.069622758	0.063314096	0.066989029	0.060056542	0.068175808	0.069622758	6.962275833
SR70	0.011170963	0.013264725	0.014545121	0.011589054	0.012531567	0.014545121	1.454512083
SR71	0.016586529	0.018100496	0.018959521	0.015395475	0.014764958	0.018959521	1.895952083
SR72	0.008578392	0.011960958	0.008607833	0.00772115	0.011852692	0.011960958	1.196095833
SR73	0.00789195	0.008765508	0.010139154	0.007660129	0.008154225	0.010139154	1.013915417
SR74	0.009897479	0.011517121	0.008578208	0.008765208	0.008823625	0.011517121	1.151712083
CR1	0.044189408	0.043244488	0.034961713	0.042832213	0.033679204	0.044189408	4.418940833
CR2	0.027636921	0.027707575	0.022200979	0.024763392	0.019948363	0.027707575	2.7707575

Maximum : 12.273 SR68

First Highest Annual Average (ppm)

	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						**ppm**	**ppb**
SR1	0.00354423	0.00345556	0.00383512	0.00361780	0.00336899	0.003835123	0.383512252
SR2	0.00421216	0.00399815	0.00437412	0.00441055	0.00403348	0.004410548	0.441054763
SR3	0.00435516	0.00411073	0.00440902	0.00458746	0.00430301	0.004587462	0.458746191
SR4	0.00700068	0.00657415	0.00693122	0.00728619	0.00690842	0.007286194	0.728619371
SR5	0.00754155	0.00711298	0.00748727	0.00788219	0.00745510	0.007882187	0.788218689
SR6	0.00678354	0.00640781	0.00674926	0.00705752	0.00670534	0.007057524	0.705752372
SR7	0.00977726	0.00929687	0.00980586	0.01027729	0.00972247	0.010277294	1.027729401
SR8	0.00776487	0.00732814	0.00770876	0.00803491	0.00767365	0.008034913	0.803491318
SR9	0.01438216	0.01370098	0.01429015	0.01504764	0.01431385	0.015047638	1.504763807
SR10	0.01551230	0.01487322	0.01569232	0.01634794	0.01562598	0.016347939	1.634793934
SR11	0.01428299	0.01373885	0.01441779	0.01499971	0.01440223	0.014999711	1.499971142
SR12	0.01610328	0.01553099	0.01619153	0.01687921	0.01621986	0.016879207	1.687920726
SR13	0.01531188	0.01478605	0.01537593	0.01607986	0.01545908	0.016079861	1.607986128
SR14	0.00769514	0.00829258	0.00772459	0.00821210	0.00799778	0.008292583	0.829258274
SR15	0.00670568	0.00721507	0.00673837	0.00716292	0.00694867	0.00721507	0.721506963
SR16	0.00580496	0.00626749	0.00585307	0.00620435	0.00602888	0.006267493	0.626749329
SR17	0.00523610	0.00566379	0.00527987	0.00559121	0.00543702	0.005663792	0.56637916
SR18	0.00430610	0.00470250	0.00435236	0.00460371	0.00448086	0.004702496	0.47024961
SR19	0.00722677	0.00753341	0.00719009	0.00782394	0.00762363	0.00782394	0.782393962
SR20	0.00830757	0.00862150	0.00824725	0.00900550	0.00875108	0.009005499	0.900549916
SR21	0.00928734	0.00962297	0.00920406	0.01006272	0.00975766	0.010062722	1.006272227
SR22	0.00892724	0.00967671	0.00899796	0.00955176	0.00936435	0.009676709	0.967670897
SR23	0.01324182	0.01426186	0.01328185	0.01404748	0.01392210	0.014261861	1.426186136
SR24	0.00793532	0.00763878	0.00801145	0.00836245	0.00792755	0.008362451	0.836245071
SR25	0.01048048	0.01011599	0.01058348	0.01113001	0.01066502	0.011130009	1.113000852
SR26	0.01425535	0.01384430	0.01438246	0.01506871	0.01446306	0.015068713	1.506871325
SR27	0.01662260	0.01610716	0.01661902	0.01743932	0.01670011	0.017439316	1.743931608
SR28	0.01203059	0.01302429	0.01208053	0.01275587	0.01265406	0.013024292	1.302429171
SR29	0.01750505	0.01688789	0.01745749	0.01828004	0.01751667	0.018280039	1.828003945
SR30	0.01346591	0.01458475	0.01350426	0.01424866	0.01413862	0.014584749	1.458474863
SR31	0.01800522	0.01736074	0.01791185	0.01878635	0.01797893	0.01878635	1.878635021
SR32	0.01415773	0.01358919	0.01415615	0.01487282	0.01416788	0.014872817	1.487281658
SR33	0.01371356	0.01315790	0.01372483	0.01441963	0.01373128	0.014419626	1.441962563
SR34	0.01371681	0.01316046	0.01374486	0.01443669	0.01374424	0.014436695	1.443669461
SR35	0.01602191	0.01540433	0.01606784	0.01685602	0.01605877	0.016856019	1.685601871
SR36	0.01589424	0.01528058	0.01595629	0.01673390	0.01594259	0.016733903	1.673390304
SR37	0.01652514	0.01589639	0.01659824	0.01739974	0.01658024	0.017399744	1.739974409
SR38	0.01810046	0.01743127	0.01818497	0.01905020	0.01815775	0.019050202	1.905020167
SR39	0.01782118	0.01715942	0.01790872	0.01876067	0.01788166	0.018760666	1.876066563
SR40	0.01669250	0.01605998	0.01677908	0.01758287	0.01675694	0.017582868	1.758286767
SR41	0.01684982	0.01621436	0.01695260	0.01775753	0.01692679	0.017757526	1.775752612
SR42	0.01337349	0.01282860	0.01346488	0.01412387	0.01344672	0.014123867	1.412386697
SR43	0.01163225	0.01113281	0.01172925	0.01229936	0.01170547	0.012299358	1.229935765
SR44	0.01590980	0.01529920	0.01602622	0.01678503	0.01600288	0.016785027	1.678502718
SR45	0.01508837	0.01449813	0.01520792	0.01592926	0.01518766	0.015929263	1.592926296
SR46	0.01658585	0.01595855	0.01671836	0.01749907	0.01669558	0.017499066	1.749906594
SR47	0.01713018	0.01648865	0.01726881	0.01806953	0.01724416	0.018069533	1.806953292
SR48	0.01510685	0.01451602	0.01523610	0.01595178	0.01522131	0.015951781	1.595178098

2041 - Future No Build

SR49	0.01424986	0.01367861	0.01437307	0.01504849	0.01437245	0.01504849	1.504849018
SR50	0.01440359	0.01388576	0.01457766	0.01522807	0.01455845	0.015228074	1.522807384
SR51	0.01347406	0.01297132	0.01366359	0.01421816	0.01362120	0.014218157	1.421815674
SR52	0.01314083	0.01263880	0.01332371	0.01384689	0.01327804	0.013846885	1.384688537
SR53	0.01370906	0.01318344	0.01388657	0.01441609	0.01383953	0.014416094	1.441609386
SR54	0.01171491	0.01123802	0.01187419	0.01231210	0.01183194	0.012312104	1.231210358
SR55	0.00913407	0.00874332	0.00924804	0.00958907	0.00923236	0.009589071	0.958907111
SR56	0.00717815	0.00682860	0.00721629	0.00744939	0.00719435	0.007449395	0.744939483
SR57	0.00523416	0.00490521	0.00522972	0.00539606	0.00521585	0.005396064	0.539606443
SR58	0.00657111	0.00640655	0.00643347	0.00677823	0.00669491	0.006778235	0.677823479
SR59	0.00564351	0.00550087	0.00555289	0.00588759	0.00574716	0.00588759	0.588759016
SR60	0.00529727	0.00516643	0.00522927	0.00554305	0.00540206	0.005543045	0.554304531
SR61	0.00498724	0.00487643	0.00503848	0.00529615	0.00514719	0.005296147	0.529614678
SR62	0.01031707	0.01118770	0.01058926	0.01093089	0.01057125	0.011187704	1.118770368
SR63	0.01194775	0.01302309	0.01218403	0.01258008	0.01223569	0.013023089	1.302308865
SR64	0.01328406	0.01447370	0.01353699	0.01399753	0.01353293	0.014473704	1.447370421
SR65	0.01295177	0.01390966	0.01311259	0.01339585	0.01306548	0.013909658	1.390965842
SR66	0.01379461	0.01466977	0.01393800	0.01408506	0.01397957	0.014669773	1.466977272
SR67	0.01791693	0.01885415	0.01829710	0.01831340	0.01817977	0.018854152	1.885415243
SR68	0.01926708	0.02032194	0.01911710	0.02025359	0.02015671	0.020321941	2.032194112
SR69	0.01409433	0.01493596	0.01431385	0.01531022	0.01481597	0.015310219	1.5310219
SR70	0.00380003	0.00371445	0.00378308	0.00394489	0.00386033	0.003944889	0.394488862
SR71	0.00444635	0.00445041	0.00448695	0.00466023	0.00455198	0.00466023	0.466023001
SR72	0.00250442	0.00270695	0.00250443	0.00259647	0.00258087	0.002706955	0.270695478
SR73	0.00213154	0.00205756	0.00210350	0.00228571	0.00215577	0.002285708	0.228570848
SR74	0.00253765	0.00272467	0.00259252	0.00276757	0.00271611	0.002767574	0.276757366
CR1	0.01044024	0.01077414	0.01039494	0.01149334	0.01107008	0.011493335	1.149333529
CR2	0.00537416	0.00569633	0.00542857	0.00590450	0.00569934	0.005904502	0.590450212

Maximum : 2.032 SR68

Particulate Matter (PM_{10})

Conversion Factor: 10

First Highest 24-Hour Average ($\mu g/m^3$)*(10^1)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ($\mu g/m^3$)	
SR1	19.05207844	20.39373088	18.24103691	24.21350754	19.66915112	2.421350754	SR1
SR2	19.17816016	20.623824	20.18690995	24.2982925	20.26164193	2.42982925	SR2
SR3	18.63341728	20.19362905	18.78503301	23.05734391	20.82389103	2.305734391	SR3
SR4	22.6660497	25.93404635	21.65739135	27.82263723	25.79150235	2.782263723	SR4
SR5	23.25311695	28.81493084	22.99394198	30.18018143	28.1493637	3.018018143	SR5
SR6	20.73864512	28.45447988	24.1080263	31.71268983	26.3353573	3.171268983	SR6
SR7	29.70050183	40.81041568	31.76659852	42.455933	36.97258821	4.2455933	SR7
SR8	23.5964905	29.6253175	27.5355725	35.23823266	28.75342017	3.523823266	SR8
SR9	37.02217349	38.80394935	38.1301714	44.54359378	52.09435836	5.209435836	SR9
SR10	41.0504015	42.93366549	46.95732097	48.58476332	54.95029473	5.495029473	SR10
SR11	40.08156469	40.71532281	43.99369105	45.52824969	48.69781868	4.869781868	SR11
SR12	45.79180745	46.78374361	48.25166534	53.236123	55.06649644	5.506649644	SR12
SR13	51.09594873	51.0851293	45.81870019	53.26416103	61.02480474	6.102480474	SR13
SR14	50.19272935	54.47089352	58.87325231	50.75599564	68.92665044	6.892665044	SR14
SR15	51.23212528	54.71640618	61.11718106	53.11751736	72.25454244	7.225454244	SR15
SR16	44.69570828	47.75263876	53.37263341	47.13255578	63.25813088	6.325813088	SR16
SR17	44.06349724	45.80793897	51.65957248	45.91531912	62.247636	6.2247636	SR17
SR18	36.55109833	38.84869238	44.1149184	39.61689223	53.52814153	5.352814153	SR18
SR19	82.33429666	75.55811079	65.27534585	68.5444369	66.51846749	8.233429666	SR19
SR20	93.97270333	85.25128437	76.8532147	79.80154307	82.9538313	9.397270333	SR20
SR21	102.3216034	91.25333691	83.88971133	89.81111678	95.63303181	10.23216034	SR21
SR22	61.0142219	54.59642903	45.18197368	44.94575891	47.89217005	6.10142219	SR22
SR23	51.57637715	55.53137013	48.16414837	43.06368487	53.31596868	5.553137013	SR23
SR24	41.95526717	53.98225554	40.87280636	48.29061139	41.99801023	5.398225554	SR24
SR25	51.6932693	67.96765673	52.49603742	56.18819778	53.97087469	6.796765673	SR25
SR26	66.7224083	83.02754641	69.26453209	71.83729418	68.61329452	8.302754641	SR26
SR27	57.69219911	65.70308204	60.69404928	59.28071271	65.26398778	6.570308204	SR27
SR28	43.57182197	49.52595936	40.73304653	38.08522643	44.65899847	4.952595936	SR28
SR29	53.88818272	58.56983734	55.15508268	53.31447135	63.76247517	6.376247517	SR29

2041 - Future No Build

SR30	45.87652981	55.86469357	44.32990958	42.63230641	47.63028311	5.586469357	SR30
SR31	52.04559793	55.79416185	52.723519	54.74888157	63.49708462	6.349708462	SR31
SR32	37.40357598	38.44646739	38.37167609	43.24267744	48.62465883	4.862465883	SR32
SR33	36.22516479	37.10330202	37.06588321	41.89221278	47.15572333	4.715572333	SR33
SR34	36.11830111	36.88304174	37.12318455	41.93766811	47.09968218	4.709968218	SR34
SR35	41.63549143	42.92990598	44.25078231	49.00879771	54.60949215	5.460949215	SR35
SR36	41.25422071	42.52030799	44.10763555	48.68054075	54.16049139	5.416049139	SR36
SR37	42.84043648	44.23531552	46.12195141	50.61360317	56.23346805	5.623346805	SR37
SR38	46.85979713	48.44318895	50.89266887	55.31607169	61.38547993	6.138547993	SR38
SR39	46.15263648	47.70269804	50.11808044	54.51856156	60.46469355	6.046469355	SR39
SR40	43.25241065	44.67347583	46.82811295	51.19517858	56.7557853	5.67557853	SR40
SR41	43.64521541	45.0994296	47.56046219	51.79908063	57.3154362	5.73154362	SR41
SR42	35.01834256	35.81432327	36.89430369	41.2810443	45.97579669	4.597579669	SR42
SR43	30.32429406	31.34466327	31.60287136	36.38409871	40.35509575	4.035509575	SR43
SR44	41.22717715	42.56149395	45.10479582	49.26369053	54.35265931	5.435265931	SR44
SR45	39.20203675	40.34397585	42.74831783	46.95977336	51.72647849	5.172647849	SR45
SR46	42.94743518	44.47747609	47.48788235	51.59909636	56.7415041	5.67415041	SR46
SR47	44.35736565	45.97394333	49.2018079	53.29098896	58.58522041	5.858522041	SR47
SR48	39.20537687	40.49377866	43.16118531	47.29801212	51.95108057	5.195108057	SR48
SR49	36.99433552	38.44276259	40.95843203	44.48385357	49.02888854	4.902888854	SR49
SR50	36.0893596	38.42460189	45.43764874	45.48498123	49.29945223	4.929945223	SR50
SR51	34.46145637	35.92345078	41.8472037	44.45430371	46.11112824	4.611112824	SR51
SR52	33.64376336	35.20748203	40.44998908	44.0575078	44.88111345	4.488111345	SR52
SR53	35.33025798	36.93037842	41.89231379	46.18568585	46.66229716	4.666229716	SR53
SR54	30.23125909	33.02979455	35.46987581	40.01137993	39.84651029	4.001137993	SR54
SR55	24.13268403	27.67000874	27.18582391	30.88051174	30.623698	3.088051174	SR55
SR56	19.0527112	24.76666218	20.31879536	21.68002933	22.37987426	2.476666218	SR56
SR57	15.95300853	18.17555341	14.77861753	13.74713735	16.79004532	1.817555341	SR57
SR58	19.69287438	21.83999496	17.72041947	19.03295017	17.73080847	2.183999496	SR58
SR59	18.71030896	19.07218301	17.62964666	16.67025533	17.68371943	1.907218301	SR59
SR60	18.5816248	17.70808385	16.77048348	16.05824593	16.7875917	1.85816248	SR60
SR61	17.80978673	17.7552608	19.25128551	16.3676394	14.93889272	1.925128551	SR61
SR62	67.41872163	72.28209975	67.3606089	69.50649566	80.57201817	8.057201817	SR62
SR63	77.69543339	88.16770251	85.11637211	80.61346209	92.5180407	9.25180407	SR63
SR64	90.72883733	99.47620344	94.21814497	92.29207253	109.688573	10.9688573	SR64
SR65	90.26996088	99.1296907	107.1830137	101.013162	126.8703581	12.68703581	SR65
SR66	95.68582114	106.083917	117.1118775	109.2913632	140.5983659	14.05983659	SR66
SR67	134.8766629	137.0620714	169.1026199	136.7985158	176.4406584	17.64406584	SR67
SR68	207.82347	128.8417201	115.3832087	126.9959132	132.6742827	20.782347	SR68
SR69	127.7036936	94.0122855	94.75367419	85.47273875	114.5271558	12.77036936	SR69
SR70	20.49260132	21.60669603	17.06906587	18.93589062	22.15175187	2.215175187	SR70
SR71	30.7066605	28.35247195	32.52266248	26.90058144	29.07621849	3.252266248	SR71
SR72	28.21104821	32.14614715	36.25469998	31.5548848	39.33369148	3.933369148	SR72
SR73	17.06164045	18.31352279	18.17789484	16.04045219	17.29082651	1.831352279	SR73
SR74	38.79110638	38.01446177	33.26886785	34.8416706	30.23955105	3.879110638	SR74
CR1	84.69908465	72.54703484	60.64898705	72.42655021	58.15046648	8.469908465	CR1
CR2	49.05069295	42.65285778	35.80346735	41.65014119	33.10957262	4.905069295	CR2

Maximum : **20.782** **SR68**

Fine Particulate Matter ($PM_{2.5}$)

Conversion Factor 10

	First Highest 24-Hour Average (µg/m^3)*(10^1)						
	2018	**2019**	**2020**	**2021**	**2022**	**5-year Maximum**	
Receptor ID						**(µg/m^3)**	
SR1	4.7968761	5.687705817	4.911993963	6.961923079	5.179786604	0.6961923	SR1
SR2	5.163711438	5.746207654	5.315394367	6.991493671	5.336355733	0.6991494	SR2
SR3	5.036215013	5.625666125	4.988580175	6.710582363	5.490435267	0.6710582	SR3
SR4	6.027172404	7.113036463	5.664427733	7.897942042	6.974202792	0.7897942	SR4
SR5	6.166954775	7.845747296	6.003234304	8.498548438	7.599633267	0.8498548	SR5
SR6	5.534413696	7.721682367	6.330228908	8.949567304	7.196814667	0.8949567	SR6
SR7	7.755925238	10.84085634	8.158858304	11.5969832	9.858298767	1.1596983	SR7
SR8	6.208484383	8.002645608	7.177202442	9.816462079	7.802804342	0.9816462	SR8
SR9	9.466095	9.83137125	9.825486129	12.06321623	13.71332041	1.3713320	SR9

2041 - Future No Build

SR10	10.45883387	10.85420205	12.66713257	13.04941658	14.37667442	1.4376674	SR10
SR11	10.29414543	10.23048973	12.03344477	12.16461378	12.70488299	1.2704883	SR11
SR12	11.69064065	11.66536271	13.04758103	14.01121598	14.19608667	1.4196087	SR12
SR13	12.89621223	12.60280407	12.42152623	13.95316796	15.56014176	1.5560142	SR13
SR14	12.64584775	14.19084522	14.86621716	12.87330003	17.11262904	1.7112629	SR14
SR15	12.85322006	14.121081	15.30167431	13.1036836	17.89921897	1.7899219	SR15
SR16	11.2900671	12.39121367	13.3965201	11.6620123	15.76186311	1.5761863	SR16
SR17	10.86281927	11.84883962	12.93256147	11.34171083	15.5187557	1.5518756	SR17
SR18	9.186441579	10.11888904	11.09377493	9.824587592	13.44014914	1.3440149	SR18
SR19	19.91351281	18.33144947	16.00038264	16.81233169	16.19361562	1.9913513	SR19
SR20	22.68192184	20.51509388	18.73092115	19.47994419	20.14405014	2.2681922	SR20
SR21	24.67858138	21.94070028	20.37079996	21.85039258	23.19169623	2.4678581	SR21
SR22	14.81835621	13.39609681	11.00788444	10.94899317	11.90747219	1.4818356	SR22
SR23	12.99997281	14.79200613	11.96401825	11.85703895	13.79950083	1.4792006	SR23
SR24	10.38426838	13.32988445	10.17796235	12.69574775	10.93024814	1.3329884	SR24
SR25	13.0433293	16.82791892	13.82753256	14.04300953	13.61360771	1.6827919	SR25
SR26	16.68735391	20.38063313	17.95577167	17.81414108	17.38584338	2.0380633	SR26
SR27	14.56754649	16.28326543	15.94518912	14.80223803	16.60818443	1.6608184	SR27
SR28	11.09756928	13.27444314	10.32975002	10.69697665	11.62957794	1.3274443	SR28
SR29	13.64992058	14.57330718	14.6499668	14.03920637	16.2874164	1.6287416	SR29
SR30	11.75845143	14.77384583	11.57336632	11.85474218	12.64263857	1.4773846	SR30
SR31	13.18636235	13.89191967	14.09734982	14.39004221	16.25514033	1.6255140	SR31
SR32	9.625018883	9.988376592	10.7396774	11.61687595	12.79712297	1.2797123	SR32
SR33	9.338752888	9.68635025	10.42673905	11.29209629	12.45051568	1.2450516	SR33
SR34	9.310599421	9.680670083	10.47769389	11.31151279	12.44945733	1.2449457	SR34
SR35	10.64179288	11.20753565	12.35266233	13.04317597	14.27279118	1.4272791	SR35
SR36	10.54960863	11.11760542	12.36128284	12.97423142	14.17740681	1.4177407	SR36
SR37	10.93243368	11.52867743	12.89955463	13.44964338	14.68255	1.4682550	SR37
SR38	11.90250458	12.5384252	14.13496379	14.59720528	15.92586061	1.5925861	SR38
SR39	11.73239915	12.36022585	13.94751956	14.40661656	15.70752722	1.5707527	SR39
SR40	11.03308436	11.63477666	13.11787008	13.60326198	14.81977691	1.4819777	SR40
SR41	11.1285156	11.73449697	13.35268692	13.76714516	14.96986457	1.4969865	SR41
SR42	9.039424079	9.4170478	10.59683241	11.20721537	12.23920776	1.2239208	SR42
SR43	7.889717108	8.227081033	9.234358371	10.02284268	10.88694838	1.0886948	SR43
SR44	10.54117999	11.11530189	12.78701568	13.17914848	14.28121849	1.4281218	SR44
SR45	10.04652357	10.55648129	12.20741084	12.63115747	13.6593573	1.3659357	SR45
SR46	10.95005503	11.5426762	13.4506995	13.76986043	14.87531125	1.4875311	SR46
SR47	11.28850285	11.88957759	13.90222913	14.18647819	15.3234677	1.5323468	SR47
SR48	10.03411563	10.5039738	12.36274259	12.72920094	13.72772466	1.3727725	SR48
SR49	9.472897146	9.683079217	11.83425268	12.02107882	13.00935333	1.3009353	SR49
SR50	9.215031029	9.810082417	13.05186485	12.22788826	13.01473622	1.3051865	SR50
SR51	8.82027555	9.270462513	12.14505898	11.95642438	12.18309633	1.2183096	SR51
SR52	8.621956646	9.145433413	11.78466768	11.84510278	11.86016703	1.1860167	SR52
SR53	9.034283275	9.568979975	12.15511334	12.35257203	12.26970351	1.2352572	SR53
SR54	8.020316271	8.608265283	10.48803775	10.80075768	10.58744618	1.0800758	SR54
SR55	6.543850225	7.353702638	8.278071363	8.462812542	8.287439467	0.8462813	SR55
SR56	5.293347529	6.727001129	6.377408267	5.992040079	6.127068883	0.6727001	SR56
SR57	4.459774063	5.049762167	4.410170888	3.924062521	4.6139747	0.5049762	SR57
SR58	5.278625758	6.50110605	4.820176746	4.997781558	4.724280288	0.6501106	SR58
SR59	5.367815354	5.680154854	4.967062317	4.548813704	5.123468792	0.5680155	SR59
SR60	5.177740363	5.172627742	4.769337658	4.315719063	4.905659538	0.5177740	SR60
SR61	5.140466108	5.052315675	5.850812842	4.418643117	4.466957171	0.5850813	SR61
SR62	16.52497504	18.23042165	16.50242724	17.37641834	20.66799503	2.0667995	SR62
SR63	18.82398016	21.88992048	20.54185933	19.78214382	23.33561499	2.3335615	SR63
SR64	21.67053675	24.3514485	22.52843782	21.76767688	25.98685513	2.5986855	SR64
SR65	21.34567179	23.95990027	25.35350996	23.53714883	29.78373363	2.9783734	SR65
SR66	22.45451855	25.39994896	27.4826211	25.37025088	32.82806758	3.2828068	SR66
SR67	31.20786155	32.19218314	39.20511248	31.470557	40.69983255	4.0699833	SR67
SR68	47.94397938	29.27946693	26.64421749	29.72441998	30.86103818	4.7943979	SR68
SR69	29.60568455	21.04089932	21.59792777	19.45956673	26.00214471	2.9605685	SR69
SR70	6.217851417	6.8884269	5.741930017	5.732893067	6.303582392	0.6888427	SR70
SR71	8.898901133	8.291720704	9.813638529	7.903022654	8.473284254	0.9813639	SR71
SR72	7.208204221	8.435880913	9.33519235	8.043064083	10.20094471	1.0200945	SR72
SR73	5.016820629	5.111623688	5.178988321	4.593021871	4.675588904	0.5178988	SR73
SR74	10.30571095	10.28169013	8.82935035	9.39953725	8.0612926	1.0305711	SR74
CR1	20.00296416	16.81053307	14.01234927	16.95730648	13.49618142	2.0002964	CR1
CR2	11.92184532	10.18579698	8.519582025	10.07625382	8.009881721	1.1921845	CR2

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Maximum : **4.794** **SR68**

Receptor ID	First Highest Annual Average (µg/m^3)*(10^1) 2017	2018	2019	2020	2021	5-year Maximum (µg/m^3)	
SR1	0.835505	0.815671	0.901989	0.850148	0.790347	0.0901989	SR1
SR2	0.991706639	0.942749	1.028207	1.035107	0.945555	0.1035107	SR2
SR3	1.024926246	0.968967	1.036456	1.076017	1.008109	0.1076017	SR3
SR4	1.642989519	1.544541	1.626360	1.706033	1.617040	0.1706033	SR4
SR5	1.769887205	1.670902	1.757083	1.845339	1.745217	0.1845339	SR5
SR6	1.594708247	1.508418	1.587064	1.654396	1.571738	0.1654396	SR6
SR7	2.29668202	2.185681	2.302988	2.407966	2.278473	0.2407966	SR7
SR8	1.827389502	1.726782	1.814988	1.885724	1.801001	0.1885724	SR8
SR9	3.404295099	3.245687	3.383939	3.551865	3.381932	0.3551865	SR9
SR10	3.682871596	3.533938	3.723781	3.868099	3.701431	0.3868099	SR10
SR11	3.496215061	3.369056	3.526780	3.639610	3.506823	0.3639610	SR11
SR12	4.010305148	3.874656	4.035917	4.162781	4.013992	0.4162781	SR12
SR13	4.047231637	3.934041	4.080755	4.198092	4.046494	0.4198092	SR13
SR14	3.880196761	4.080426	3.890372	4.091526	3.932053	0.4091526	SR14
SR15	3.96795657	4.159192	3.969155	4.161039	3.994240	0.4161039	SR15
SR16	3.417696719	3.594412	3.428811	3.574225	3.444557	0.3594412	SR16
SR17	3.268345555	3.446752	3.278453	3.399577	3.285361	0.3446752	SR17
SR18	2.573473079	2.758101	2.588271	2.662712	2.593387	0.2758101	SR18
SR19	6.483093892	6.507654	6.388944	6.995616	6.810468	0.6995616	SR19
SR20	7.524095781	7.521816	7.390240	8.150980	7.891512	0.8150980	SR20
SR21	8.313725183	8.299218	8.151650	9.020005	8.710696	0.9020005	SR21
SR22	4.01947763	4.243707	4.031917	4.318340	4.194035	0.4318340	SR22
SR23	4.324884442	4.574585	4.324591	4.596847	4.542274	0.4596847	SR23
SR24	3.53308376	3.488446	3.525518	3.683243	3.496564	0.3683243	SR24
SR25	4.9406063	4.794172	4.882055	5.269711	5.088005	0.5269711	SR25
SR26	6.389895709	6.225935	6.325859	6.804449	6.576370	0.6804449	SR26
SR27	5.251089006	5.098617	5.206649	5.522548	5.321394	0.5522548	SR27
SR28	3.531502853	3.771366	3.542602	3.737427	3.712175	0.3771366	SR28
SR29	4.855000692	4.697155	4.821411	5.064496	4.874125	0.5064496	SR29
SR30	3.663116869	3.930020	3.674049	3.865430	3.842931	0.3930020	SR30
SR31	4.71054757	4.559339	4.680321	4.908564	4.717291	0.4908564	SR31
SR32	3.383773634	3.251377	3.383661	3.548379	3.385546	0.3548379	SR32
SR33	3.264433373	3.135390	3.267368	3.426685	3.267760	0.3426685	SR33
SR34	3.246106534	3.117239	3.252935	3.411255	3.251688	0.3411255	SR34
SR35	3.77219344	3.629200	3.783011	3.963167	3.779630	0.3963167	SR35
SR36	3.73038717	3.588297	3.744780	3.921971	3.740008	0.3921971	SR36
SR37	3.873416497	3.727653	3.890201	4.072729	3.884292	0.4072729	SR37
SR38	4.23886133	4.083361	4.257971	4.455205	4.249856	0.4455205	SR38
SR39	4.171755666	4.017976	4.191551	4.385581	4.183390	0.4385581	SR39
SR40	3.905800356	3.758914	3.925454	4.108148	3.918349	0.4108148	SR40
SR41	3.935860553	3.788028	3.959003	4.141484	3.950787	0.4141484	SR41
SR42	3.122744901	2.996763	3.143873	3.292352	3.137333	0.3292352	SR42
SR43	2.712898483	2.597895	2.735513	2.863142	2.727561	0.2863142	SR43
SR44	3.70993867	3.568027	3.735997	3.907325	3.728206	0.3907325	SR44
SR45	3.516393154	3.379456	3.543083	3.705617	3.536086	0.3705617	SR45
SR46	3.865551753	3.719676	3.894794	4.071133	3.887309	0.4071133	SR46
SR47	3.992452119	3.843227	4.022960	4.203929	4.015066	0.4203929	SR47
SR48	3.519525477	3.382595	3.548042	3.709129	3.542446	0.3709129	SR48
SR49	3.320525634	3.188463	3.347221	3.498748	3.344934	0.3498748	SR49
SR50	3.363030054	3.242748	3.400463	3.545116	3.393318	0.3545116	SR50
SR51	3.150669737	3.033506	3.191467	3.312600	3.178061	0.3312600	SR51
SR52	3.074533798	2.957462	3.113861	3.227230	3.099386	0.3227230	SR52
SR53	3.209097589	3.086322	3.247219	3.361573	3.232073	0.3361573	SR53
SR54	2.743900516	2.632749	2.778286	2.870976	2.764087	0.2870976	SR54
SR55	2.141011891	2.050288	2.165907	2.235828	2.157709	0.2235828	SR55
SR56	1.685842183	1.604803	1.694522	1.738842	1.684462	0.1738842	SR56
SR57	1.233836394	1.157644	1.233865	1.261902	1.224860	0.1261902	SR57
SR58	1.622480446	1.582688	1.597139	1.657876	1.639703	0.1657876	SR58
SR59	1.396281078	1.362732	1.381920	1.440209	1.409617	0.1440209	SR59
SR60	1.317781067	1.287940	1.309678	1.362475	1.332001	0.1362475	SR60
SR61	1.238842059	1.213828	1.256023	1.296883	1.265884	0.1296883	SR61

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SR62	3.270546521	3.508280	3.339103	3.412814	3.329738	0.3508280	SR62
SR63	4.172065033	4.484794	4.231320	4.328824	4.258802	0.4484794	SR63
SR64	5.252220947	5.614474	5.311932	5.442306	5.334944	0.5614474	SR64
SR65	5.546119223	5.867622	5.561201	5.645730	5.583649	0.5867622	SR65
SR66	6.082160511	6.415458	6.104026	6.183138	6.165776	0.6415458	SR66
SR67	7.773634669	8.199553	7.884005	8.149510	8.105818	0.8199553	SR67
SR68	6.211540553	6.481820	6.204851	6.759412	6.507339	0.6759412	SR68
SR69	5.473003145	5.718528	5.540669	5.940203	5.746256	0.5940203	SR69
SR70	1.856372846	1.776877	1.844271	1.914397	1.846513	0.1914397	SR70
SR71	2.763730764	2.714820	2.754702	2.913586	2.813719	0.2913586	SR71
SR72	2.294168834	2.423245	2.303419	2.331068	2.284098	0.2423245	SR72
SR73	1.096323031	1.017707	1.059444	1.210439	1.124024	0.1210439	SR73
SR74	2.725209558	2.851874	2.796255	2.977052	2.885683	0.2977052	SR74
CR1	4.26030467	4.322582	4.175431	4.623657	4.461027	0.4623657	CR1
CR2	2.091798921	2.183559	2.102265	2.274509	2.203324	0.2274509	CR2

Maximum : **0.902** **SR21**

Acetaldehyde

Conversion Factor 1000
Molecular Weight 44.05

First Highest 24-Hour Average (ppm)*(10^3)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.075078267	0.086133633	0.0775862	0.109186746	0.0826756	0.109186746	0.20700423
SR2	0.081949367	0.086903346	0.0825919	0.109482096	0.081977783	0.109482096	0.20756418
SR3	0.079969138	0.084715292	0.0773573	0.104811258	0.086539154	0.104811258	0.19870886
SR4	0.095301629	0.107763375	0.0876850	0.123009713	0.110259779	0.123009713	0.23321082
SR5	0.097376721	0.119007258	0.0913664	0.132150229	0.120179642	0.132150229	0.25054008
SR6	0.08725925	0.116191858	0.0976720	0.138463017	0.113807875	0.138463017	0.26250833
SR7	0.121933463	0.164940063	0.1238878	0.179777813	0.155599608	0.179777813	0.34083595
SR8	0.096500738	0.119720275	0.1103293	0.150949608	0.123024017	0.150949608	0.28618132
SR9	0.147595021	0.151578804	0.1554314	0.179539971	0.214796829	0.214796829	0.40722756
SR10	0.162885383	0.167178446	0.2045357	0.192933558	0.224215679	0.224215679	0.42508451
SR11	0.155964683	0.156189796	0.1953044	0.167926921	0.192209871	0.19530435	0.37027229
SR12	0.174953679	0.177377196	0.2109109	0.186003421	0.210742046	0.210910933	0.39986040
SR13	0.161426092	0.172029279	0.2009824	0.178398042	0.205211042	0.205211042	0.38905412
SR14	0.100725917	0.132002213	0.1140515	0.112238179	0.130497017	0.132002213	0.25025946
SR15	0.085253021	0.112682992	0.0983734	0.093231363	0.111778217	0.112682992	0.21363267
SR16	0.073462763	0.099220988	0.0851333	0.079817783	0.098597233	0.099220988	0.18811042
SR17	0.064734146	0.088630404	0.0770803	0.071890796	0.090452708	0.090452708	0.17148687
SR18	0.055245967	0.076088288	0.0656555	0.062502854	0.079831154	0.079831154	0.15134975
SR19	0.074261996	0.081790517	0.0750531	0.074475904	0.069466621	0.081790517	0.15506445
SR20	0.083356542	0.093754196	0.0836505	0.083856104	0.080641375	0.093754196	0.17774607
SR21	0.093969325	0.106125617	0.0914338	0.093774358	0.091243667	0.106125617	0.20120072
SR22	0.112937542	0.145314663	0.1158562	0.119957304	0.133344458	0.145314663	0.27549818
SR23	0.164775454	0.2191544	0.1811735	0.18842885	0.200838775	0.2191544	0.41548896
SR24	0.085593075	0.089504558	0.0831401	0.110895188	0.114307308	0.114307308	0.21671217
SR25	0.111209317	0.112316079	0.1321420	0.123759896	0.140081267	0.140081267	0.26557633
SR26	0.150155225	0.144551579	0.1753196	0.16733365	0.180369404	0.180369404	0.34195753
SR27	0.182030663	0.182528908	0.1872033	0.211982642	0.214195267	0.214195267	0.40608708
SR28	0.150915571	0.203451871	0.1663709	0.173436438	0.186695013	0.203451871	0.38571896
SR29	0.188766875	0.193164725	0.1896516	0.2240371	0.22748075	0.22748075	0.43127467
SR30	0.168891008	0.225196229	0.1860996	0.193279983	0.205837992	0.225196229	0.42694351
SR31	0.191013308	0.197975983	0.1925212	0.229551638	0.235796675	0.235796675	0.44704061
SR32	0.151145004	0.157428542	0.1649111	0.185147892	0.198867283	0.198867283	0.37702716
SR33	0.146879608	0.152524792	0.1613888	0.179892571	0.19409835	0.19409835	0.36798587
SR34	0.146743367	0.152237963	0.1641998	0.1800031	0.195046021	0.195046021	0.36978253
SR35	0.167757608	0.176255842	0.1957365	0.207171063	0.224431154	0.224431154	0.42549302
SR36	0.166524508	0.174550217	0.1974577	0.20580395	0.223486008	0.223486008	0.42370115
SR37	0.172592263	0.180908792	0.2067621	0.213156679	0.231646925	0.231646925	0.43917321
SR38	0.187848538	0.196765479	0.2270554	0.231147567	0.251421154	0.251421154	0.47666264
SR39	0.185213375	0.193869038	0.2243493	0.228062263	0.248074608	0.248074608	0.47031801
SR40	0.174285192	0.182290438	0.2113876	0.215287804	0.2342253	0.2342253	0.44406148
SR41	0.175907425	0.183401888	0.2165043	0.217400329	0.2368736	0.2368736	0.44908232
SR42	0.143156613	0.146525975	0.1722606	0.176848875	0.193961613	0.193961613	0.36772663
SR43	0.125179575	0.127061967	0.1510356	0.157594563	0.172785429	0.172785429	0.32757927

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SR44	0.166861263	0.172712533	0.2090178	0.207225779	0.226343158	0.226343158	0.42911794
SR45	0.159173375	0.163332275	0.2003059	0.198060475	0.216643863	0.216643863	0.41072930
SR46	0.173407654	0.178576958	0.2207337	0.215638346	0.235786942	0.235786942	0.44702216
SR47	0.178754304	0.183816354	0.2282399	0.221953004	0.242833933	0.242833933	0.46038236
SR48	0.159098567	0.16163565	0.2037636	0.198615796	0.217772833	0.217772833	0.41286969
SR49	0.150330025	0.154228029	0.1960234	0.186085246	0.206421738	0.206421738	0.39134945
SR50	0.146549467	0.158284808	0.2165806	0.187468804	0.206358813	0.216580629	0.41060942
SR51	0.13981015	0.148538979	0.2023358	0.182293838	0.193196204	0.202335788	0.38360301
SR52	0.136621033	0.144361138	0.1966196	0.180190854	0.188088721	0.196619583	0.37276581
SR53	0.143062188	0.149928142	0.2026514	0.187809308	0.194471242	0.202651371	0.38420131
SR54	0.122338388	0.131769825	0.1757947	0.163197592	0.168012642	0.175794692	0.33328445
SR55	0.098612663	0.110955904	0.1397441	0.126212988	0.131701321	0.139744146	0.26493719
SR56	0.079050654	0.101160446	0.1083472	0.086504058	0.097200975	0.10834715	0.20541246
SR57	0.065547938	0.074141979	0.0751431	0.064947721	0.069034333	0.07514305	0.14246170
SR58	0.084080575	0.109663583	0.0787995	0.080468829	0.076721725	0.109663583	0.20790825
SR59	0.091349121	0.095744042	0.0821930	0.077211846	0.086350846	0.095744042	0.18151857
SR60	0.088355104	0.087340367	0.0791618	0.073411488	0.082878971	0.088355104	0.16751008
SR61	0.087934946	0.081059204	0.0991133	0.071925808	0.075612883	0.099113296	0.18790625
SR62	0.159631467	0.191867671	0.1658347	0.163923775	0.196706633	0.196706633	0.37293084
SR63	0.180988704	0.220084713	0.1924576	0.176554583	0.2114584	0.220084713	0.41725272
SR64	0.203834133	0.230335713	0.2039420	0.187513458	0.230055954	0.230335713	0.43668732
SR65	0.180791883	0.211880471	0.2146695	0.19088745	0.235919358	0.235919358	0.44727320
SR66	0.1860393	0.214804063	0.2248578	0.207466167	0.256790383	0.256790383	0.48684202
SR67	0.253439675	0.280117913	0.3108392	0.281051046	0.311591604	0.311591604	0.59073819
SR68	0.370188783	0.254562183	0.2841071	0.271822467	0.357695892	0.370188783	0.70183101
SR69	0.249838621	0.185766325	0.2005142	0.184240946	0.209252229	0.249838621	0.47366236
SR70	0.040787817	0.048643508	0.0528166	0.042012279	0.044876317	0.0528166	0.10013358
SR71	0.056589521	0.063120479	0.0649139	0.052849504	0.054915633	0.064913913	0.12306855
SR72	0.033054458	0.046219333	0.0339343	0.029998233	0.046543292	0.046543292	0.08824018
SR73	0.028047454	0.031547442	0.0356745	0.027600892	0.028367654	0.035674463	0.06763426
SR74	0.036204425	0.042449567	0.0315575	0.032582292	0.033576246	0.042449567	0.08047900
CR1	0.166083896	0.155057413	0.1272800	0.152800042	0.120033075	0.166083896	0.31487402
CR2	0.103377292	0.09860115	0.0809682	0.090521504	0.072137442	0.103377292	0.19599024

Maximum : **0.702** **SR68**

First Highest 0.5-Hour Average (ppm) *(10^3)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.54257853	0.69145812	0.71410747	0.90738981	0.81898526	0.907389814	1.72029608
SR2	0.56747802	0.69656685	0.71248531	0.92478097	0.82503280	0.92478097	1.75326750
SR3	0.60227466	0.63713990	0.65969211	0.88222186	0.78156207	0.882221861	1.67258083
SR4	0.68233952	0.86114502	0.89692103	1.13276466	1.01972676	1.132764662	2.14757822
SR5	0.73840436	0.94620872	0.98889107	1.23541816	1.12034357	1.235418161	2.34219625
SR6	0.78973894	0.73146633	0.86123292	1.04002409	0.93541792	1.040024092	1.97175386
SR7	1.02472220	1.23980480	1.29134398	1.64842631	1.46760064	1.648426308	3.12520734
SR8	0.74003648	0.78972607	0.80714528	0.94544657	0.94014296	0.945446567	1.79244686
SR9	1.14212404	1.22378848	1.54813502	1.36651709	1.25404088	1.548135025	2.93506778
SR10	1.18284207	1.44847682	1.47020508	1.36227834	1.41269899	1.470205083	2.78732249
SR11	1.00859478	1.04525582	1.08306900	1.03784838	1.49108329	1.491083286	2.82690492
SR12	1.14603156	1.29254955	1.10536235	1.38529911	1.62680150	1.626801497	3.08420944
SR13	1.11629520	1.25901106	1.04844344	1.37088224	1.54303189	1.543031885	2.92539288
SR14	0.78333929	0.79295000	0.69156789	0.79295000	0.95181575	0.951815748	1.80452202
SR15	0.61525890	0.64315150	0.54220577	0.64315150	0.77164999	0.77164999	1.46295057
SR16	0.52039555	0.55695471	0.45827965	0.55695471	0.66813781	0.668137812	1.26670461
SR17	0.42991047	0.47329572	0.38091370	0.47329572	0.56759191	0.567591912	1.07608232
SR18	0.33362785	0.40392172	0.31272014	0.37984290	0.45542180	0.455421796	0.86342200
SR19	0.34858697	0.39112483	0.35702915	0.38971637	0.46842704	0.468427037	0.88807829
SR20	0.41904695	0.46023486	0.40198544	0.46023486	0.55315829	0.553158291	1.04871801
SR21	0.50480917	0.53935047	0.44737690	0.53935047	0.64814597	0.648145971	1.22880261
SR22	0.89518424	0.88953229	0.79372029	0.89518424	1.06908160	1.069081597	2.02684320
SR23	1.37805012	1.32770996	1.22185706	1.37805012	1.59569637	1.595696374	3.02523807
SR24	0.49829660	0.58458675	0.58417089	0.75068157	0.66267321	0.750681573	1.42319711
SR25	0.63144047	0.67936426	0.73231469	0.87390973	0.89366808	0.893668076	1.69428140
SR26	0.88481720	1.00120264	0.97760719	1.17472809	1.27041915	1.27041915	2.40855368
SR27	1.09074745	1.23189918	1.21671920	1.49542403	1.40926270	1.495424032	2.83513442
SR28	1.27742250	1.23648920	1.13263523	1.27742250	1.48606344	1.48606344	2.81738793

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SR29	1.05064648	1.18623610	1.27677109	1.57375284	1.35093351	1.573752837	2.98363591
SR30	1.41091461	1.35909423	1.25099482	1.41091461	1.63341388	1.633413881	3.09674569
SR31	0.99608189	1.19674023	1.30330319	1.60745257	1.36084024	1.607452573	3.04752634
SR32	0.87036840	0.97534393	1.06201340	1.27125039	1.13792208	1.271250388	2.41012961
SR33	0.84865544	0.94647803	1.03056029	1.22682955	1.10960863	1.226829554	2.32591333
SR34	0.84781716	0.94716320	1.02508743	1.21608563	1.10784258	1.216085629	2.30554421
SR35	0.95441643	1.12967114	1.16445418	1.39977364	1.26969221	1.399773645	2.65379341
SR36	0.94656897	1.14202715	1.16960333	1.37472954	1.29321979	1.37472954	2.60631296
SR37	0.98622882	1.19106484	1.22572051	1.41819505	1.36872644	1.418195045	2.68871805
SR38	1.09382240	1.29475587	1.34110885	1.53512821	1.52656097	1.535128205	2.91040850
SR39	1.08231851	1.28075365	1.32708696	1.50974789	1.50919883	1.509747889	2.86229064
SR40	1.01826353	1.21415700	1.25577912	1.41594101	1.41392084	1.415941014	2.68444469
SR41	1.05439931	1.23751872	1.28739894	1.40636296	1.46645759	1.466457592	2.78021772
SR42	0.82611343	1.01218467	1.04075370	1.18587998	1.12769018	1.185879981	2.24827814
SR43	0.76007580	0.90435372	0.92582190	1.05852381	0.97465123	1.058523808	2.00682697
SR44	1.02780346	1.19407798	1.24770241	1.34208324	1.42713917	1.427139169	2.70567498
SR45	0.98779283	1.14776555	1.20020384	1.27940541	1.36819729	1.368197293	2.59392865
SR46	1.09660157	1.24659349	1.31110269	1.36684480	1.53276854	1.532768539	2.90593487
SR47	1.13720558	1.28226811	1.35155092	1.39405297	1.59445644	1.594456438	3.02288731
SR48	1.01340505	1.15909229	1.21810544	1.24554503	1.40843085	1.408430854	2.67020638
SR49	0.97968528	1.11527273	1.17439758	1.09263297	1.36024650	1.360246502	2.57885496
SR50	1.11615205	1.22905724	1.30557653	1.14707601	1.57151835	1.571518354	2.97939961
SR51	1.07018579	1.13362589	1.22387748	1.07018579	1.51596202	1.515962017	2.87407184
SR52	1.03977907	1.09125656	1.18188407	1.03977907	1.47545065	1.475450648	2.79726742
SR53	1.06436299	1.09870953	1.19428780	1.06436299	1.52198685	1.521986852	2.88549416
SR54	0.97724147	0.99994485	1.06336711	0.92719248	1.30486817	1.304868166	2.47386465
SR55	0.89195667	0.90902618	0.88931337	0.77890177	0.99380334	0.993803335	1.88412516
SR56	0.84042563	0.79933545	0.74528096	0.65664206	0.84636644	0.846366443	1.60460350
SR57	0.74296391	0.62451665	0.65795715	0.83356907	0.65928208	0.833569072	1.58034131
SR58	0.99415630	0.99789590	0.81164423	0.99312594	1.12103238	1.121032382	2.12533531
SR59	1.19386101	1.06720142	1.00037128	1.35610840	1.44668346	1.446683457	2.74272847
SR60	1.14916358	1.04780198	0.99646048	1.35080589	1.42038691	1.42038691	2.69287355
SR61	1.05191422	1.18654305	1.07999818	1.46403649	1.36461445	1.464036487	2.77562762
SR62	1.46738293	1.11595171	1.02781136	1.11595171	1.01471590	1.46738293	2.78197205
SR63	1.78259266	1.20351458	1.10845939	1.21123990	1.23751119	1.782592657	3.37956974
SR64	1.45476016	1.16840250	1.16840250	1.27252505	1.12187855	1.45476016	2.75804087
SR65	1.42910932	0.94501091	0.88146165	0.97105454	0.98885986	1.429109322	2.70941014
SR66	1.32003892	0.95561703	0.92883772	1.36596645	0.93019567	1.365966452	2.58969926
SR67	1.51516150	1.32113558	1.23663369	1.56149542	1.49637013	1.561495418	2.96039740
SR68	1.48162969	1.30549882	1.85476683	1.65651418	1.85476683	1.85476683	3.51640282
SR69	1.23137428	0.93523883	1.28684757	1.55190170	1.58273436	1.582734358	3.00066373
SR70	0.41096284	0.42703501	0.33523071	0.45954763	0.47865299	0.478652986	0.90746539
SR71	0.52149573	0.51028216	0.43253811	0.60404945	0.62444865	0.624448651	1.18387549
SR72	0.33271441	0.33271441	0.29684005	0.32266841	0.35390903	0.353909032	0.67096667
SR73	0.34920524	0.30019536	0.28461262	0.34829727	0.39572190	0.395721897	0.75023856
SR74	0.35325070	0.32520850	0.28324678	0.32520850	0.35325070	0.353250696	0.66971855
CR1	0.78883935	0.79263796	0.72232077	0.76488073	0.76912191	0.792637955	1.50274110
CR2	0.55605827	0.50010915	0.48969402	0.56088943	0.49316808	0.560889435	1.06337528

Maximum : **3.516** **SR68**

Acrolein

Conversion Factor 100000
Molecular Weight 56.06

	First Highest 1-Hour Average (ppm)*(10^5)						
	2018	**2019**	**2020**	**2021**	**2022**	**5-year Maximum**	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.0930818	0.117897	0.1217544	0.1577779	0.1411645	0.1577779	0.00380682
SR2	0.0973521	0.118754	0.1214643	0.1607938	0.1421898	0.1607938	0.00387959
SR3	0.1032741	0.1084937	0.1128546	0.1532705	0.1348671	0.1532705	0.00369807
SR4	0.117065	0.1469367	0.153031	0.1970251	0.1758632	0.1970251	0.00475377
SR5	0.1266747	0.1614901	0.1687667	0.2148938	0.1932486	0.2148938	0.00518490
SR6	0.135435	0.1245616	0.1479411	0.180698	0.1621772	0.180698	0.00435983
SR7	0.1756922	0.2116784	0.2204701	0.2866845	0.2531964	0.2866845	0.00691705
SR8	0.1279764	0.1379946	0.1387129	0.1641622	0.1646193	0.1646193	0.00397189
SR9	0.1968256	0.210899	0.2696337	0.2369584	0.2184123	0.2696337	0.00650565
SR10	0.2020903	0.2511706	0.2549382	0.2362234	0.2449666	0.2549382	0.00615108

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SR11	0.1723198	0.1812507	0.1878076	0.1807587	0.2596972	0.2596972	0.00626590
SR12	0.197499	0.2241322	0.1892352	0.2412731	0.2833348	0.2833348	0.00683623
SR13	0.1923744	0.2183166	0.1791281	0.2387622	0.2687449	0.2687449	0.00648420
SR14	0.1395034	0.1411371	0.1218933	0.1411371	0.1699735	0.1699735	0.00410107
SR15	0.1117788	0.1165411	0.0973445	0.1165411	0.1402425	0.1402425	0.00338373
SR16	0.0953109	0.1015198	0.082896	0.1015198	0.1221401	0.1221401	0.00294696
SR17	0.0800827	0.0874374	0.0694637	0.0874374	0.1051438	0.1051438	0.00253688
SR18	0.0632014	0.0748415	0.0556781	0.0709524	0.0852981	0.0852981	0.00205805
SR19	0.071994	0.0809622	0.1005622	0.0847902	0.0881939	0.1005622	0.00242634
SR20	0.0793851	0.0962799	0.1160453	0.0979306	0.0975387	0.1160453	0.00279991
SR21	0.0861636	0.1110542	0.1239478	0.1046407	0.1110193	0.1239478	0.00299058
SR22	0.1518026	0.1508131	0.1337712	0.1518026	0.1820462	0.1820462	0.00439236
SR23	0.2336437	0.2250873	0.2058923	0.2336437	0.2716969	0.2716969	0.00655543
SR24	0.0866201	0.1013692	0.1012971	0.1337761	0.1168967	0.1337761	0.00322771
SR25	0.1117354	0.1235295	0.132745	0.1488702	0.1624706	0.1624706	0.00392005
SR26	0.1581527	0.1806255	0.1638969	0.199921	0.2303056	0.2303056	0.00555675
SR27	0.193055	0.2196967	0.2038501	0.2543078	0.253765	0.2543078	0.00613587
SR28	0.2165867	0.2096242	0.1908612	0.2165867	0.2530323	0.2530323	0.00610510
SR29	0.185216	0.2106479	0.21389	0.2675982	0.2415063	0.2675982	0.00645654
SR30	0.2392139	0.2304072	0.2115856	0.2392139	0.2781182	0.2781182	0.00671036
SR31	0.1750166	0.2002355	0.2183297	0.2733197	0.2312771	0.2733197	0.00659458
SR32	0.1496397	0.1633348	0.1780684	0.2163497	0.1924468	0.2163497	0.00522003
SR33	0.1458217	0.1585224	0.1728188	0.2088184	0.1876869	0.2088184	0.00503831
SR34	0.14552	0.1632348	0.1726523	0.2070087	0.1874081	0.2070087	0.00499465
SR35	0.1634554	0.1936406	0.1975599	0.2381761	0.2204706	0.2381761	0.00574665
SR36	0.1618433	0.1953913	0.20044	0.2339415	0.2240138	0.2339415	0.00564448
SR37	0.1668317	0.2035389	0.2097711	0.2413185	0.236668	0.2413185	0.00582247
SR38	0.1846823	0.2209736	0.2291715	0.2611571	0.2633844	0.2633844	0.00635487
SR39	0.1827086	0.2185501	0.2267383	0.2568569	0.2603424	0.2603424	0.00628147
SR40	0.1719619	0.2072232	0.2146079	0.2409498	0.2440272	0.2440272	0.00588782
SR41	0.177739	0.2109438	0.2196861	0.2393798	0.2525657	0.2525657	0.00609384
SR42	0.1405084	0.172818	0.1779583	0.2020152	0.1948673	0.2020152	0.00487417
SR43	0.1274796	0.1544432	0.1583642	0.1804616	0.1685495	0.1804616	0.00435413
SR44	0.173008	0.2033299	0.2126689	0.2285609	0.2453853	0.2453853	0.00592059
SR45	0.1662198	0.1953841	0.2045122	0.2179737	0.2351679	0.2351679	0.00567407
SR46	0.1842951	0.2120379	0.2231993	0.2328285	0.2630386	0.2630386	0.00634652
SR47	0.1910216	0.2180337	0.2299964	0.2374595	0.2734533	0.2734533	0.00659781
SR48	0.1703204	0.1971327	0.2073569	0.2122959	0.2417236	0.2417236	0.00583224
SR49	0.1645578	0.1895799	0.1998099	0.1864052	0.2332955	0.2332955	0.00562889
SR50	0.1871788	0.2087101	0.2218593	0.1946793	0.2689736	0.2689736	0.00648972
SR51	0.1794478	0.1924905	0.2079586	0.1794478	0.2594298	0.2594298	0.00625945
SR52	0.1743517	0.1852952	0.2008239	0.1743517	0.2525003	0.2525003	0.00609226
SR53	0.1784326	0.1865377	0.2029001	0.1784326	0.2603824	0.2603824	0.00628244
SR54	0.1684536	0.1723342	0.1807302	0.1555375	0.2234322	0.2234322	0.00539091
SR55	0.1540448	0.1568774	0.1513023	0.1322661	0.1705327	0.1705327	0.00411457
SR56	0.1453829	0.1381549	0.1280771	0.1116029	0.1462071	0.1462071	0.00352765
SR57	0.128236	0.1081831	0.1129277	0.143885	0.1124902	0.143885	0.00347162
SR58	0.1692497	0.1695269	0.1361203	0.1701169	0.1918683	0.1918683	0.00462935
SR59	0.2030076	0.1804695	0.1692786	0.2319202	0.2472444	0.2472444	0.00596545
SR60	0.1954163	0.1771905	0.1686129	0.231008	0.2427524	0.2427524	0.00585706
SR61	0.1779562	0.2019982	0.1826656	0.2502553	0.2331944	0.2502553	0.00603809
SR62	0.2498333	0.1880198	0.1716914	0.1880198	0.1808241	0.2498333	0.00602791
SR63	0.3035001	0.2027727	0.1851633	0.2027727	0.2106959	0.3035001	0.00732277
SR64	0.247684	0.194979	0.194979	0.2125697	0.1890184	0.247684	0.00597605
SR65	0.2433168	0.1592189	0.1453918	0.1622104	0.168361	0.2433168	0.00587068
SR66	0.2247468	0.1554514	0.1419515	0.2159016	0.1550796	0.2247468	0.00542263
SR67	0.2704056	0.1963347	0.2014535	0.2638354	0.2273577	0.2704056	0.00652427
SR68	0.225015	0.2238605	0.3193481	0.2578754	0.3193481	0.3193481	0.00770515
SR69	0.2697876	0.3030035	0.307072	0.3044792	0.3344439	0.3344439	0.00806937
SR70	0.0723804	0.0749637	0.0582579	0.0815118	0.0848998	0.0848998	0.00204844
SR71	0.0990409	0.0975066	0.081551	0.1151436	0.1189123	0.1189123	0.00286908
SR72	0.0571993	0.0571993	0.0507127	0.0557991	0.0613216	0.0613216	0.00147955
SR73	0.0647753	0.0551509	0.0518563	0.066691	0.0747256	0.0747256	0.00180296
SR74	0.062883	0.057209	0.0500514	0.057209	0.062883	0.062883	0.00151722
CR1	0.1496489	0.1540826	0.1804296	0.1741488	0.183634	0.183634	0.00443067
CR2	0.0985128	0.0961097	0.0787939	0.0960585	0.0906084	0.0985128	0.00237689

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						Maximum :	0.008	SR69
	First Highest 24-Hour Average (ppm)*(10^5)					5-year Maximum		
	2018	2019	2020	2021	2022			
Receptor ID							ppm	(µg/m^3)
SR1	0.015709792	0.018077442	0.016168038	0.022963667	0.017239583		0.022963667	0.00055406
SR2	0.017137792	0.018241283	0.017321292	0.023031175	0.017226617		0.023031175	0.00055569
SR3	0.016726475	0.017789329	0.016243554	0.022064921	0.018105921		0.022064921	0.00053238
SR4	0.019941475	0.022612817	0.018406517	0.025898942	0.023037458		0.025898942	0.00062488
SR5	0.020376288	0.024966304	0.019181496	0.027826096	0.025096467		0.027826096	0.00067138
SR6	0.018256854	0.0244003	0.020536354	0.029170217	0.023768533		0.029170217	0.00070381
SR7	0.025510454	0.034584958	0.026007646	0.037848717	0.03248385		0.037848717	0.00091320
SR8	0.020194796	0.0251576	0.023211358	0.03179765	0.025705883		0.03179765	0.00076721
SR9	0.030914233	0.031777483	0.032638308	0.037945863	0.044857075		0.044857075	0.00108230
SR10	0.03411935	0.035110067	0.042758304	0.040809488	0.046848338		0.046848338	0.00113034
SR11	0.032817517	0.032805146	0.040792763	0.035814358	0.040320208		0.040792763	0.00098424
SR12	0.036874071	0.037286338	0.044053142	0.039960496	0.044356133		0.044356133	0.00107021
SR13	0.035387717	0.036263779	0.041981846	0.038526367	0.04425335		0.04425335	0.00106773
SR14	0.024334613	0.030602521	0.027790875	0.026535633	0.030816113		0.030816113	0.00074352
SR15	0.021740221	0.027215788	0.025307304	0.023148996	0.028725008		0.028725008	0.00069307
SR16	0.018848192	0.023931538	0.021989104	0.019933471	0.025135017		0.025135017	0.00060645
SR17	0.017100442	0.021811671	0.020349613	0.018269746	0.023978563		0.023978563	0.00057855
SR18	0.014256183	0.018708238	0.017385271	0.015873879	0.021036371		0.021036371	0.00050756
SR19	0.023343429	0.023020088	0.02121665	0.022135888	0.020669588		0.023343429	0.00056322
SR20	0.026581929	0.026205025	0.023879358	0.025255563	0.024541688		0.026581929	0.00064136
SR21	0.029199338	0.02918375	0.026259817	0.02834715	0.0281145		0.029199338	0.00070451
SR22	0.028523883	0.031296129	0.024177888	0.025289829	0.028596467		0.031296129	0.00075510
SR23	0.0340305	0.045592933	0.037214717	0.038908346	0.041282667		0.045592933	0.00110005
SR24	0.019673225	0.022652308	0.018673533	0.025999983	0.025318771		0.025999983	0.00062732
SR25	0.026290304	0.028868008	0.030816125	0.025829913	0.031565317		0.031565317	0.00076160
SR26	0.034975458	0.036016221	0.040559263	0.034716171	0.040503954		0.040559263	0.00097860
SR27	0.039154758	0.039014379	0.041521758	0.043494592	0.045727846		0.045727846	0.00110331
SR28	0.031066863	0.042044888	0.034103104	0.035707896	0.038362896		0.042044888	0.00101445
SR29	0.039742763	0.039561617	0.041141783	0.045934038	0.047718129		0.047718129	0.00115133
SR30	0.034718438	0.046368383	0.038147638	0.039722154	0.042284129		0.046368383	0.00111876
SR31	0.039845938	0.040546488	0.041238983	0.047063588	0.049074517		0.049074517	0.00118406
SR32	0.0310491	0.032279896	0.034451033	0.037993163	0.040848379		0.040848379	0.00098558
SR33	0.030164367	0.031280713	0.033663842	0.036921379	0.039847329		0.039847329	0.00096143
SR34	0.030122963	0.031227083	0.034146171	0.036950921	0.039999475		0.039999475	0.00096510
SR35	0.0344235	0.03613785	0.040515271	0.04251685	0.045960158		0.045960158	0.00110891
SR36	0.034160846	0.035795767	0.040796467	0.042246925	0.045743363		0.045743363	0.00110368
SR37	0.035400479	0.037098888	0.042665679	0.043756788	0.047398433		0.047398433	0.00114362
SR38	0.038523275	0.040341217	0.046785258	0.047443529	0.051423508		0.051423508	0.00124073
SR39	0.037981958	0.0397514	0.046220392	0.046814971	0.050736933		0.050736933	0.00122417
SR40	0.035741846	0.037388088	0.043561279	0.044204321	0.047906613		0.047906613	0.00115588
SR41	0.036068642	0.037625	0.044548846	0.044655854	0.048432604		0.048432604	0.00116857
SR42	0.029357358	0.030092704	0.035516658	0.036363821	0.039678946		0.039678946	0.00095736
SR43	0.025674042	0.026123579	0.031149942	0.032448054	0.035352029		0.035352029	0.00085296
SR44	0.034210192	0.035457075	0.042956529	0.042614617	0.046266608		0.046266608	0.00111631
SR45	0.032633525	0.033547896	0.041154754	0.040764129	0.044281379		0.044281379	0.00106841
SR46	0.035548429	0.036669075	0.045306813	0.044380796	0.048183196		0.048183196	0.00116255
SR47	0.036642938	0.037743638	0.046828554	0.045685558	0.049619575		0.049619575	0.00119721
SR48	0.032617504	0.033236813	0.041824229	0.040927129	0.04450445		0.04450445	0.00107379
SR49	0.030825221	0.031703867	0.040216913	0.038409842	0.042188567		0.042188567	0.00101791
SR50	0.029963417	0.032518983	0.044369458	0.038744725	0.042163092		0.044369458	0.00107053
SR51	0.028666192	0.030517842	0.041438421	0.037721283	0.039479367		0.041438421	0.00099982
SR52	0.028012058	0.029659925	0.040268088	0.037315667	0.038437442		0.040268088	0.00097158
SR53	0.029331292	0.030803121	0.041497088	0.038907733	0.039740846		0.041497088	0.00100123
SR54	0.0250904	0.02701885	0.036016429	0.033879192	0.034342046		0.036016429	0.00086899
SR55	0.020382942	0.023023863	0.028668888	0.026290771	0.026935692		0.028668888	0.00069172
SR56	0.016390475	0.021056821	0.022271771	0.018161154	0.019904079		0.022271771	0.00053737
SR57	0.01356915	0.015614671	0.0155118	0.01327725	0.014221179		0.015614671	0.00037675
SR58	0.017264717	0.022491646	0.016153654	0.016491925	0.01583305		0.022491646	0.00054267
SR59	0.018768779	0.019681933	0.016841458	0.015766458	0.017821829		0.019681933	0.00047488
SR60	0.018155746	0.017964154	0.016220525	0.014991983	0.017108942		0.018155746	0.00043806
SR61	0.018058808	0.0167815	0.020244529	0.01485015	0.015616221		0.020244529	0.00048845
SR62	0.033781979	0.039714913	0.035088075	0.034727733	0.041500446		0.041500446	0.00100131

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SR63	0.037053283	0.045012679	0.039801788	0.037032079	0.044475413	0.045012679	0.00108605
SR64	0.040836654	0.046510504	0.041863288	0.038340504	0.047819392	0.047819392	0.00115377
SR65	0.0362572	0.041994233	0.042134813	0.038929108	0.048862713	0.048862713	0.00117895
SR66	0.036690513	0.041622017	0.044042563	0.041222729	0.052479292	0.052479292	0.00126621
SR67	0.050775208	0.054699471	0.061393038	0.057359925	0.062691371	0.062691371	0.00151260
SR68	0.066471758	0.061238092	0.075494925	0.064241138	0.090875129	0.090875129	0.00219261
SR69	0.056970738	0.063388817	0.059667592	0.054216379	0.072653171	0.072653171	0.00175296
SR70	0.008825758	0.010363875	0.01138255	0.0091566	0.010401217	0.01138255	0.00027464
SR71	0.015119796	0.015911388	0.017226875	0.013888842	0.013204296	0.017226875	0.00041565
SR72	0.006436054	0.008724533	0.0063734	0.006041188	0.008564917	0.008724533	0.00021050
SR73	0.006995775	0.007210088	0.008869767	0.006722008	0.007143858	0.008869767	0.00021401
SR74	0.008532521	0.0097685	0.007495329	0.007495779	0.007406183	0.0097685	0.00023569
CR1	0.0369158	0.037628229	0.031733775	0.0375142	0.030210688	0.037628229	0.00090788
CR2	0.02265595	0.023592725	0.019790425	0.022335021	0.017667388	0.023592725	0.00056924

Maximum : **0.002** **SR68**

Formaldehyde

Conversion Factor 1000
Molecular Weight 30.031

First Highest 24-Hour Average (ppm)*(10)^3

	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.130091	0.149218083	0.134428229	0.189166246	0.143232679	0.189166246	0.24449885
SR2	0.141990	0.150551217	0.143100817	0.189677183	0.142031208	0.189677183	0.24515924
SR3	0.138558	0.1467588	0.134028871	0.181581442	0.14994415	0.181581442	0.23469543
SR4	0.165125	0.186693129	0.151924608	0.213114225	0.191041488	0.213114225	0.27545180
SR5	0.168721	0.20617455	0.158303225	0.2289512	0.208230417	0.2289512	0.29592122
SR6	0.151189	0.20129275	0.169225129	0.239883713	0.197187242	0.239883713	0.31005158
SR7	0.211270	0.285760113	0.214638463	0.311472658	0.269603704	0.311472658	0.40258085
SR8	0.167201	0.207402583	0.191153946	0.261515417	0.213154379	0.261515417	0.33801072
SR9	0.255731	0.262639008	0.26931835	0.311032808	0.372167896	0.372167896	0.48102992
SR10	0.282224	0.289672871	0.354409708	0.334232313	0.388485408	0.388485408	0.50212043
SR11	0.270221	0.270632671	0.338415275	0.290851792	0.3330122	0.338415275	0.43740439
SR12	0.303116	0.307342088	0.365457633	0.32212605	0.365109404	0.365457633	0.47235685
SR13	0.279532	0.298060717	0.348253808	0.308927163	0.355396938	0.355396938	0.45935332
SR14	0.174362	0.228551996	0.197427054	0.194315179	0.225946392	0.228551996	0.29540524
SR15	0.147545	0.195072175	0.170246975	0.161377917	0.19349815	0.195072175	0.25213231
SR16	0.127136	0.171770046	0.147329233	0.138156246	0.170676896	0.171770046	0.22201413
SR17	0.112071	0.153422071	0.133378242	0.124435325	0.156524308	0.156524308	0.20230889
SR18	0.095645	0.131712067	0.113605054	0.1081865	0.138150125	0.138150125	0.17856012
SR19	0.128507	0.141590625	0.129834175	0.128780946	0.120243604	0.141590625	0.18300699
SR20	0.144103	0.162296358	0.144691592	0.144981463	0.139586304	0.162296358	0.20976931
SR21	0.162426	0.183707204	0.158137783	0.162113529	0.157939217	0.183707204	0.23744300
SR22	0.195329	0.251678213	0.200701038	0.207785467	0.230994417	0.251678213	0.32529606
SR23	0.285454	0.379642604	0.313872717	0.326430038	0.347931888	0.379642604	0.49069104
SR24	0.148200	0.15491505	0.144058346	0.191999142	0.197967354	0.197967354	0.25587435
SR25	0.192533	0.194340467	0.228840829	0.214383488	0.242578029	0.242578029	0.31353400
SR26	0.259981	0.250235288	0.303596158	0.289872888	0.312334213	0.312334213	0.40369441
SR27	0.315292	0.316213163	0.3241923	0.367238688	0.370985525	0.370985525	0.47950169
SR28	0.261446	0.352456854	0.288229904	0.300461254	0.323428446	0.352456854	0.45555324
SR29	0.326993	0.334639513	0.328464267	0.38812335	0.394037675	0.394037675	0.50929678
SR30	0.292589	0.390135125	0.322409425	0.334841746	0.356593563	0.390135125	0.50425270
SR31	0.330897	0.342974658	0.333457263	0.397676858	0.408462825	0.408462825	0.52794140
SR32	0.261850	0.272724013	0.285684092	0.32074355	0.344518938	0.344518938	0.44529342
SR33	0.254460	0.264227829	0.279584692	0.311637942	0.336257829	0.336257829	0.43461587
SR34	0.254224	0.263730046	0.284458133	0.311828146	0.337901413	0.337901413	0.43674022
SR35	0.290631	0.305340392	0.339097275	0.358895321	0.388812904	0.388812904	0.50254372
SR36	0.288495	0.302384217	0.34208205	0.356524913	0.387175954	0.387175954	0.50042795
SR37	0.299007	0.313399758	0.358203021	0.369262692	0.401314942	0.401314942	0.51870270
SR38	0.325438	0.340871071	0.393362075	0.400430971	0.435574271	0.435574271	0.56298315
SR39	0.320873	0.335852688	0.388674317	0.395085321	0.429776304	0.429776304	0.55548924
SR40	0.301940	0.315792467	0.366218754	0.372952904	0.405782258	0.405782258	0.52447674
SR41	0.304751	0.317716167	0.37508565	0.376609646	0.410370242	0.410370242	0.53040675
SR42	0.248011	0.253828175	0.298433554	0.306353625	0.33602445	0.33602445	0.43431423
SR43	0.216867	0.220105067	0.261662483	0.272992354	0.299336425	0.299336425	0.38689467
SR44	0.289079	0.299193671	0.362117488	0.35897645	0.392125608	0.392125608	0.50682542

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SR45	0.275761	0.282940733	0.34702485	0.343094288	0.375321475	0.375321475	0.48510594
SR46	0.300421	0.309351033	0.382416717	0.373545296	0.408486896	0.408486896	0.52797251
SR47	0.309685	0.318427575	0.395421642	0.384483683	0.420695942	0.420695942	0.54375280
SR48	0.275632	0.280027908	0.353016475	0.344050179	0.377277783	0.377277783	0.48763449
SR49	0.260441	0.267194683	0.339607417	0.322332796	0.357613467	0.357613467	0.46221820
SR50	0.253897	0.274223442	0.3752243	0.324719988	0.357507913	0.3752243	0.48498034
SR51	0.242212	0.257338863	0.350545754	0.315753679	0.334704858	0.350545754	0.45308313
SR52	0.236686	0.250100846	0.340642508	0.312110504	0.325856379	0.340642508	0.44028311
SR53	0.247845	0.259745292	0.351092625	0.32530885	0.336914204	0.351092625	0.45378996
SR54	0.211941	0.22827405	0.304563188	0.28267145	0.291074667	0.304563188	0.39365030
SR55	0.170814	0.192158175	0.242105083	0.218600346	0.228165225	0.242105083	0.31292271
SR56	0.136932	0.175195446	0.187709354	0.149809996	0.168391329	0.187709354	0.24261581
SR57	0.113505	0.128400279	0.130182854	0.112522204	0.119560054	0.130182854	0.16826236
SR58	0.145668	0.189990404	0.136519313	0.139411046	0.132916242	0.189990404	0.24556408
SR59	0.1582603	0.165873433	0.142398892	0.133771392	0.149597938	0.165873433	0.21439271
SR60	0.153073	0.151314088	0.137147421	0.127187188	0.143583025	0.153073171	0.19784827
SR61	0.152346	0.140408217	0.1717153	0.124607058	0.130994779	0.1717153	0.22194337
SR62	0.275787	0.331688704	0.286604258	0.282984313	0.339784879	0.339784879	0.43917461
SR63	0.313556	0.380359667	0.332442946	0.304764021	0.365131188	0.380359667	0.49161784
SR64	0.352942	0.397894863	0.352148338	0.323590467	0.397024771	0.397894863	0.51428222
SR65	0.311865	0.365768092	0.370292846	0.32902145	0.406640379	0.406640379	0.52558587
SR66	0.320781	0.370645842	0.387612863	0.356928283	0.442394283	0.442394283	0.57179807
SR67	0.436156	0.481410446	0.5349633	0.483071396	0.536484604	0.536484604	0.69341055
SR68	0.637289	0.437464608	0.486506963	0.466668813	0.612792596	0.637288896	0.82370088
SR69	0.429478	0.318299792	0.343841958	0.316214158	0.359106554	0.429478146	0.55510386
SR70	0.070617	0.084218229	0.091449254	0.072747679	0.077707308	0.091449254	0.11819888
SR71	0.098141	0.109411779	0.112544296	0.091627746	0.094990758	0.112544296	0.14546438
SR72	0.057193	0.079953583	0.058688879	0.051891417	0.080500179	0.080500179	0.10404711
SR73	0.048601	0.054646563	0.061802633	0.047797558	0.049173425	0.061802633	0.07988039
SR74	0.062697	0.073503171	0.054633246	0.056402621	0.058105342	0.073503171	0.09500342
CR1	0.285898	0.267011921	0.219435671	0.263070771	0.206622792	0.285897754	0.36952508
CR2	0.178030	0.169918946	0.13968765	0.155995033	0.124381367	0.178030475	0.23010578

Maximum : **0.824** **SR68**

Benzene

Conversion Factor	1000
Molecular Weight	78.11

	First Highest 24-Hour Average (ppm)*(10)^3						
	2018	**2019**	**2020**	**2021**	**2022**	**5-year Maximum**	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.004509963	0.005140083	0.004634921	0.006542171	0.004919471	0.006542171	0.02199338
SR2	0.0049102	0.005186029	0.004954817	0.006559817	0.004915842	0.006559817	0.02205270
SR3	0.004790975	0.005054221	0.004641196	0.006277813	0.005189313	0.006277813	0.02110466
SR4	0.005712996	0.006435858	0.005262858	0.007375654	0.0066016	0.007375654	0.02479537
SR5	0.005837496	0.007109608	0.005484413	0.007925946	0.007194808	0.007925946	0.02664533
SR6	0.005227721	0.006939771	0.005864079	0.008300908	0.006809079	0.008300908	0.02790587
SR7	0.007311121	0.009864221	0.007417488	0.010791167	0.009317592	0.010791167	0.03627759
SR8	0.005782546	0.007149458	0.006625125	0.009047521	0.007361375	0.009047521	0.03041583
SR9	0.008852342	0.009106729	0.009354029	0.010765017	0.012857125	0.012857125	0.04322290
SR10	0.009770263	0.010061858	0.012283129	0.011569746	0.013422608	0.013422608	0.04512393
SR11	0.009367263	0.009401208	0.011723804	0.010039579	0.011510521	0.011723804	0.03941292
SR12	0.010513058	0.010679479	0.012660733	0.011128329	0.012634688	0.012660733	0.04256267
SR13	0.009761358	0.010355617	0.012065083	0.010671704	0.012326175	0.012326175	0.04143796
SR14	0.006457938	0.008274542	0.007357808	0.007114375	0.008228304	0.008274542	0.02781724
SR15	0.005649838	0.007240613	0.006557846	0.006088383	0.007418933	0.007418933	0.02494086
SR16	0.004886158	0.006372596	0.005686879	0.005230346	0.006487888	0.006487888	0.02181089
SR17	0.004382242	0.005760279	0.005216479	0.004776867	0.00615215	0.00615215	0.02068221
SR18	0.003691146	0.004942696	0.004448067	0.004152008	0.005412783	0.005412783	0.01819662
SR19	0.005546929	0.005730092	0.005311892	0.005411658	0.005011013	0.005730092	0.01926334
SR20	0.006308913	0.006505704	0.005945321	0.006132117	0.005883817	0.006505704	0.02187078
SR21	0.006937513	0.007245533	0.006506346	0.006855417	0.006717929	0.007245533	0.02435793
SR22	0.007244596	0.008736667	0.006871	0.007135696	0.007952175	0.008736667	0.02937080
SR23	0.009711392	0.012962683	0.010654333	0.011102946	0.011801121	0.012962683	0.04357776
SR24	0.005333771	0.005915454	0.005035296	0.006997063	0.007004371	0.007004371	0.02354719
SR25	0.007048533	0.007431683	0.008393917	0.007302629	0.008653413	0.008653413	0.02909092
SR26	0.009443513	0.009330638	0.011042188	0.009875363	0.011098017	0.011098017	0.03730915

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SR27	0.010968296	0.0107008	0.011453329	0.012441725	0.012810042	0.012810042	0.04306461
SR28	0.008877858	0.01199985	0.009772017	0.010203625	0.010966275	0.01199985	0.04034092
SR29	0.011248067	0.011324879	0.011461796	0.013144879	0.013493704	0.013493704	0.04536294
SR30	0.009928933	0.013260588	0.010931613	0.011362425	0.012091263	0.013260588	0.04457925
SR31	0.011325163	0.011607171	0.011561283	0.013468383	0.013938188	0.013938188	0.04685720
SR32	0.008888863	0.009227858	0.009796608	0.010857092	0.011685825	0.011685825	0.03928524
SR33	0.008636363	0.008939996	0.009580496	0.010547963	0.011402254	0.011402254	0.03833193
SR34	0.008625979	0.008922933	0.0097315	0.010553813	0.011451788	0.011451788	0.03849846
SR35	0.0098595	0.010331858	0.011569258	0.012148933	0.013169792	0.013169792	0.04427402
SR36	0.009785338	0.010231308	0.01166005	0.012067763	0.013110229	0.013110229	0.04407378
SR37	0.010141208	0.010604146	0.012201167	0.012499208	0.013586975	0.013586975	0.04567650
SR38	0.011037058	0.011534446	0.013387729	0.013555754	0.014744858	0.014744858	0.04956905
SR39	0.010882004	0.011364392	0.013227246	0.013374288	0.014547825	0.014547825	0.04890667
SR40	0.010239788	0.010684779	0.012465263	0.012623629	0.013734713	0.013734713	0.04617316
SR41	0.010334288	0.010749158	0.012756871	0.012746717	0.013886642	0.013886642	0.04668391
SR42	0.008410188	0.008585025	0.010162417	0.010364892	0.011370333	0.011370333	0.03822462
SR43	0.007354721	0.007441854	0.008912646	0.009233821	0.010127008	0.010127008	0.03404483
SR44	0.00980265	0.0101202	0.012308104	0.012148113	0.013264775	0.013264775	0.04459333
SR45	0.009351363	0.0095688	0.011793542	0.011609625	0.012694613	0.012694613	0.04267657
SR46	0.010187717	0.010462842	0.0129888	0.012641925	0.013816183	0.013816183	0.04644705
SR47	0.010501954	0.010770025	0.013427463	0.013012683	0.014229125	0.014229125	0.04783527
SR48	0.0093479	0.0095177	0.011990596	0.0116423	0.012760071	0.012760071	0.04289662
SR49	0.008833954	0.009079867	0.011532258	0.010902721	0.012097117	0.012097117	0.04066791
SR50	0.008600621	0.009315554	0.012731108	0.010978821	0.012096367	0.012731108	0.04279926
SR51	0.008209704	0.008741842	0.011892042	0.0106815	0.011326792	0.011892042	0.03997850
SR52	0.008020942	0.008495929	0.011556179	0.010563563	0.011027754	0.011556179	0.03884940
SR53	0.008398404	0.008823146	0.011909533	0.011017042	0.011402258	0.011909533	0.04003730
SR54	0.007181225	0.007725075	0.01033455	0.009576879	0.009850967	0.01033455	0.03474254
SR55	0.005784138	0.006467213	0.008221925	0.007407846	0.007722467	0.008221925	0.02764035
SR56	0.004650904	0.005912613	0.006382425	0.005083042	0.005697921	0.006382425	0.02145635
SR57	0.003792092	0.004366221	0.004438229	0.003813354	0.00400795	0.004438229	0.01492038
SR58	0.004948675	0.006449288	0.004633396	0.004730179	0.004527096	0.006449288	0.02168112
SR59	0.005377854	0.005636958	0.004831846	0.004531796	0.005095125	0.005636958	0.01895025
SR60	0.005201958	0.005143679	0.004653729	0.004309017	0.004890879	0.005201958	0.01748787
SR61	0.005175767	0.004758938	0.005818033	0.004244679	0.004463275	0.005818033	0.01955898
SR62	0.008394471	0.010240854	0.00887545	0.008267013	0.010233683	0.010240854	0.03442756
SR63	0.010624025	0.011465988	0.009845025	0.008904417	0.010760767	0.011465988	0.03854619
SR64	0.011480813	0.011594092	0.01015985	0.009008871	0.011244617	0.011594092	0.03897685
SR65	0.008625442	0.010114796	0.009698042	0.008510454	0.010698175	0.010698175	0.03596497
SR66	0.008222633	0.009786979	0.009729267	0.008559329	0.011132783	0.011132783	0.03742603
SR67	0.009921308	0.010648008	0.012072363	0.010122304	0.0127616	0.0127616	0.04290176
SR68	0.013157121	0.010005033	0.010531996	0.009601988	0.012936638	0.013157121	0.04423142
SR69	0.010366542	0.010133471	0.01092675	0.009219938	0.012675433	0.012675433	0.04261209
SR70	0.002417963	0.002852021	0.003130163	0.002520604	0.002818679	0.003130163	0.01052294
SR71	0.004205175	0.004408667	0.004746179	0.003837058	0.003669475	0.004746179	0.01595564
SR72	0.001759721	0.002375433	0.001738938	0.001619517	0.002325892	0.002375433	0.00798570
SR73	0.001897746	0.001992838	0.002411842	0.001832279	0.001982338	0.002411842	0.00810809
SR74	0.002316642	0.002654892	0.002021358	0.002014163	0.002018917	0.002654892	0.00892518
CR1	0.007346892	0.007679192	0.006921696	0.007574575	0.006068858	0.007679192	0.02581580
CR2	0.004655754	0.005021204	0.004476867	0.004763717	0.003884158	0.005021204	0.01688021

Maximum : **0.050** **SR38**

First Highest Annual Average (ppm)*(10)^3

	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.000774	0.000755	0.000837	0.000790	0.000735	0.00083706	0.00281402
SR2	0.000920083	0.000873	0.000955	0.000963	0.000881	0.000963109	0.00323777
SR3	0.00095126	0.000898	0.000962	0.001002	0.000939	0.001001648	0.00336733
SR4	0.001529627	0.001437	0.001514	0.001592	0.001509	0.001591791	0.00535126
SR5	0.001647916	0.001554	0.001636	0.001722	0.001629	0.001722139	0.00578946
SR6	0.001482133	0.001400	0.001474	0.001542	0.001465	0.00154162	0.00518260
SR7	0.002136995	0.002032	0.002143	0.002246	0.002125	0.002245965	0.00755045
SR8	0.00169679	0.001601	0.001684	0.001755	0.001676	0.001755303	0.00590095
SR9	0.003144819	0.002996	0.003125	0.003290	0.003129	0.003289957	0.01106013
SR10	0.003392594	0.003253	0.003432	0.003575	0.003417	0.0035747	0.01201738

2041 - Future No Build

SR11	0.003125966	0.003008	0.003155	0.003282	0.003152	0.003281739	0.01103250
SR12	0.003525948	0.003402	0.003545	0.003695	0.003551	0.003695113	0.01242218
SR13	0.003357001	0.003243	0.003371	0.003525	0.003389	0.003524947	0.01185012
SR14	0.0018025	0.001935	0.001809	0.001919	0.001866	0.001935406	0.00650642
SR15	0.001612615	0.001728	0.001619	0.001717	0.001663	0.001727587	0.00580778
SR16	0.001395444	0.001500	0.001405	0.001485	0.001442	0.001500069	0.00504291
SR17	0.001271826	0.001370	0.001281	0.001351	0.001313	0.001369565	0.00460419
SR18	0.001038506	0.001130	0.001048	0.001104	0.001075	0.001130386	0.00380012
SR19	0.001889978	0.001953	0.001876	0.002044	0.001991	0.002044205	0.00687218
SR20	0.00217716	0.002240	0.002156	0.002359	0.002291	0.002359206	0.00793114
SR21	0.002426641	0.002493	0.002399	0.002629	0.002547	0.00262946	0.00883968
SR22	0.002056745	0.002220	0.002071	0.002201	0.002157	0.002220368	0.00746440
SR23	0.002937473	0.003157	0.002944	0.003116	0.003089	0.00315655	0.01061164
SR24	0.001830097	0.001768	0.001846	0.001926	0.001826	0.00192647	0.00647638
SR25	0.002431784	0.002350	0.002450	0.002585	0.002479	0.002585386	0.00869151
SR26	0.003279166	0.003188	0.003302	0.003472	0.003334	0.003471572	0.01167068
SR27	0.003671217	0.003560	0.003669	0.003854	0.003693	0.003853837	0.01295577
SR28	0.002642792	0.002856	0.002653	0.002801	0.002780	0.002856326	0.00960236
SR29	0.003821881	0.003689	0.003811	0.003992	0.003826	0.003991549	0.01341873
SR30	0.002938275	0.003179	0.002946	0.003108	0.003085	0.003178605	0.01068579
SR31	0.003912442	0.003775	0.003892	0.004082	0.003908	0.004082488	0.01372445
SR32	0.003054138	0.002933	0.003054	0.003209	0.003057	0.003208736	0.01078708
SR33	0.002957293	0.002839	0.002960	0.003110	0.002961	0.003109906	0.01045484
SR34	0.002956439	0.002838	0.002963	0.003112	0.002963	0.003111973	0.01046179
SR35	0.003451608	0.003320	0.003462	0.003632	0.003460	0.003631666	0.01220888
SR36	0.003423066	0.003292	0.003437	0.003604	0.003434	0.003604242	0.01211669
SR37	0.00355847	0.003424	0.003575	0.003747	0.003570	0.003747134	0.01259706
SR38	0.003897332	0.003754	0.003916	0.004102	0.003910	0.004102149	0.01379054
SR39	0.003837029	0.003696	0.003856	0.004040	0.003850	0.004039622	0.01358034
SR40	0.003593843	0.003459	0.003613	0.003786	0.003608	0.003785835	0.01272717
SR41	0.003626991	0.003491	0.003650	0.003823	0.003643	0.003822643	0.01285091
SR42	0.002878527	0.002762	0.002899	0.003040	0.002894	0.003040307	0.01022086
SR43	0.002503311	0.002397	0.002525	0.002647	0.002519	0.002647124	0.00889906
SR44	0.003423799	0.003293	0.003449	0.003612	0.003444	0.003612373	0.01214402
SR45	0.003246647	0.003120	0.003273	0.003428	0.003268	0.003427807	0.01152355
SR46	0.0035688	0.003435	0.003598	0.003766	0.003592	0.003765522	0.01265888
SR47	0.003685845	0.003549	0.003716	0.003888	0.003710	0.003888197	0.01307128
SR48	0.003250103	0.003124	0.003278	0.003432	0.003275	0.003432136	0.01153811
SR49	0.003065106	0.002943	0.003092	0.003237	0.003091	0.003237274	0.01088302
SR50	0.003097722	0.002987	0.003136	0.003276	0.003131	0.00327564	0.01101200
SR51	0.002897469	0.002790	0.002939	0.003058	0.002929	0.003058065	0.01028056
SR52	0.002825653	0.002718	0.002865	0.002978	0.002855	0.002978053	0.01001157
SR53	0.002947867	0.002835	0.002986	0.003100	0.002976	0.003100486	0.01042317
SR54	0.002518587	0.002417	0.002553	0.002648	0.002544	0.002647539	0.00890046
SR55	0.001963246	0.001880	0.001988	0.002062	0.001984	0.002061584	0.00693060
SR56	0.001542329	0.001468	0.001551	0.001601	0.001546	0.001601225	0.00538298
SR57	0.00112412	0.001054	0.001124	0.001160	0.001120	0.001159639	0.00389846
SR58	0.001409123	0.001374	0.001380	0.001455	0.001436	0.001454781	0.00489066
SR59	0.001210634	0.001180	0.001191	0.001264	0.001234	0.001263555	0.00424780
SR60	0.001136435	0.001109	0.001121	0.001190	0.001160	0.001189548	0.00399901
SR61	0.001070198	0.001047	0.001080	0.001137	0.001105	0.001136631	0.00382111
SR62	0.002076071	0.002264	0.002133	0.002222	0.002139	0.002263537	0.00760953
SR63	0.002349171	0.002574	0.002400	0.002498	0.002412	0.002573977	0.00865316
SR64	0.00251252	0.002757	0.002562	0.002674	0.002578	0.002756719	0.00926750
SR65	0.002312422	0.002506	0.002346	0.002427	0.002360	0.002505989	0.00842460
SR66	0.002315631	0.002495	0.002352	0.002421	0.002374	0.002494555	0.00838616
SR67	0.002636107	0.002815	0.002691	0.002782	0.002737	0.002815	0.00946343
SR68	0.002639255	0.002795	0.002659	0.002828	0.002736	0.002828073	0.00950738
SR69	0.002734592	0.002891	0.002775	0.002936	0.002834	0.002936376	0.00987147
SR70	0.000883913	0.000860	0.000877	0.000922	0.000898	0.000921509	0.00309792
SR71	0.001089494	0.001093	0.001097	0.001153	0.001121	0.001153118	0.00387654
SR72	0.000548455	0.000592	0.000550	0.000567	0.000561	0.000592401	0.00199153
SR73	0.000478555	0.000462	0.000469	0.000514	0.000486	0.000513589	0.00172657
SR74	0.000581287	0.000623	0.000594	0.000633	0.000619	0.000632956	0.00212786
CR1	0.002175915	0.002237	0.002149	0.002355	0.002271	0.002354682	0.00791593
CR2	0.001135969	0.001204	0.001148	0.001229	0.001188	0.001229193	0.00413228

2041 - Future No Build

Maximum : **0.014** **SR38**

Sulphur Dioxide

Conversion Factor 1000
Molecular Weight 64.07

	First Highest 1-Hour Average (ppm)*(10)^3						
	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						ppm	(µg/m^3)
SR1	0.111597	0.141601	0.1462781	0.1857225	0.1676167	0.1857225	0.51213285
SR2	0.1167278	0.1426309	0.1459226	0.1892813	0.1688356	0.1892813	0.52194630
SR3	0.1237676	0.1302304	0.1349626	0.1802863	0.159784	0.1802863	0.49714244
SR4	0.1405968	0.1767187	0.1840802	0.2323811	0.2091461	0.2323811	0.64079470
SR5	0.1522509	0.1943583	0.203141	0.2536754	0.2300036	0.2536754	0.69951409
SR6	0.1624596	0.1495332	0.1770723	0.212638	0.1922954	0.212638	0.58635278
SR7	0.2117246	0.2552532	0.2658305	0.3393436	0.3020054	0.3393436	0.93574556
SR8	0.1523552	0.1640931	0.1655112	0.1927279	0.1944865	0.1944865	0.53629972
SR9	0.2378437	0.2548501	0.3222905	0.2845179	0.261066	0.3222905	0.88872135
SR10	0.2463865	0.3015825	0.3061064	0.2836354	0.2941333	0.3061064	0.84409343
SR11	0.2100907	0.2176291	0.2255022	0.2160591	0.3104135	0.3104135	0.85597033
SR12	0.2386574	0.2691173	0.2302475	0.2883914	0.3386672	0.3386672	0.93388037
SR13	0.2324649	0.2621344	0.2183912	0.2853901	0.3212281	0.3212281	0.88579177
SR14	0.160585	0.1625598	0.1418391	0.1625598	0.195119	0.195119	0.53804385
SR15	0.1259452	0.131681	0.111056	0.131681	0.1579871	0.1579871	0.43565203
SR16	0.10646	0.1139837	0.0938108	0.1139837	0.1367369	0.1367369	0.37705425
SR17	0.0878297	0.0967652	0.077989	0.0967652	0.1160462	0.1160462	0.31999930
SR18	0.0680497	0.0825618	0.0640643	0.0775897	0.0930323	0.0930323	0.25653810
SR19	0.0716174	0.0804545	0.0684626	0.0801591	0.0963389	0.0963389	0.26565610
SR20	0.08618	0.0946661	0.0773325	0.0946661	0.1137672	0.1137672	0.31371492
SR21	0.1037915	0.1109025	0.0920009	0.1109025	0.133259	0.133259	0.36746388
SR22	0.1841415	0.1829787	0.1632987	0.1841415	0.2198854	0.2198854	0.60633761
SR23	0.2834685	0.2731119	0.2513834	0.2834685	0.3281959	0.3281959	0.90500559
SR24	0.1007872	0.1217148	0.1216282	0.1517631	0.1340465	0.1517631	0.41848924
SR25	0.1311421	0.1408791	0.1519018	0.1774522	0.1853712	0.1853712	0.51116413
SR26	0.1834576	0.2074945	0.1998923	0.2405426	0.2630112	0.2630112	0.72525771
SR27	0.2254704	0.2545707	0.2490158	0.3064083	0.2901252	0.3064083	0.84492592
SR28	0.2627694	0.2543478	0.2330275	0.2627694	0.3056476	0.3056476	0.84282828
SR29	0.2169198	0.244846	0.2613672	0.3225197	0.277484	0.3225197	0.88935338
SR30	0.2902286	0.2795677	0.2573788	0.2902286	0.3359537	0.3359537	0.92639785
SR31	0.2054947	0.2449685	0.266829	0.3294621	0.278002	0.3294621	0.90849716
SR32	0.1788264	0.1995588	0.2173617	0.2605797	0.2321879	0.2605797	0.71855281
SR33	0.1743979	0.1936556	0.2109314	0.251495	0.2263899	0.251495	0.69350160
SR34	0.1742627	0.1941355	0.209853	0.2493449	0.2260545	0.2493449	0.68757266
SR35	0.196216	0.2318528	0.2385097	0.2871135	0.2609306	0.2871135	0.79172020
SR36	0.1946272	0.234523	0.2401545	0.2820486	0.2658218	0.2820486	0.77775365
SR37	0.2027352	0.2446654	0.251751	0.2910158	0.2813556	0.2910158	0.80248085
SR38	0.2248843	0.2660384	0.2755271	0.3150661	0.3138054	0.3150661	0.86879995
SR39	0.2225308	0.2631745	0.2726613	0.3098736	0.3102501	0.3102501	0.85551975
SR40	0.2093704	0.2494892	0.2580117	0.290633	0.2906849	0.2906849	0.80156839
SR41	0.2168538	0.2543653	0.264594	0.2881703	0.3015308	0.3015308	0.83147614
SR42	0.1699059	0.2080016	0.2138572	0.2415395	0.2319179	0.2415395	0.66604914
SR43	0.1539252	0.1858531	0.190258	0.2156867	0.2004923	0.2156867	0.59475962
SR44	0.2114341	0.245494	0.2565033	0.273804	0.2934973	0.2934973	0.80932363
SR45	0.2032195	0.2359884	0.2467574	0.2611842	0.2813952	0.2813952	0.77595189
SR46	0.2256174	0.2563354	0.2695882	0.279271	0.3152415	0.3152415	0.86928362
SR47	0.2339806	0.2636836	0.2779201	0.2849678	0.3279337	0.3279337	0.90428257
SR48	0.2085111	0.2383495	0.2504751	0.2547194	0.2896848	0.2896848	0.79881060
SR49	0.2015875	0.2293559	0.2415075	0.2238749	0.2797885	0.2797885	0.77152139
SR50	0.2296813	0.2527829	0.2685149	0.2359302	0.3232473	0.3232473	0.89135974
SR51	0.2202262	0.2331578	0.2517159	0.2202262	0.3118208	0.3118208	0.85985098
SR52	0.2139704	0.2244442	0.24308	0.2139704	0.3034895	0.3034895	0.83687729
SR53	0.2190301	0.2259795	0.2456339	0.2190301	0.31306	0.31306	0.86326810
SR54	0.1967748	0.2023441	0.2187029	0.1908046	0.2684106	0.2684106	0.74014664
SR55	0.1798196	0.1841847	0.1828964	0.1601975	0.2044462	0.2044462	0.56376376
SR56	0.1705749	0.1627568	0.151233	0.1350424	0.1699203	0.1705749	0.47036309
SR57	0.1453533	0.1238434	0.1307438	0.1637945	0.1299701	0.1637945	0.45166603
SR58	0.2045604	0.2052971	0.1670819	0.2043304	0.2306482	0.2306482	0.63601620
SR59	0.245636	0.2196259	0.2058738	0.2789956	0.2976284	0.2976284	0.82071521

2041 - Future No Build

SR60	0.2364409	0.2156345	0.2050695	0.2779053	0.2922192	0.2922192	0.80579925
SR61	0.2164708	0.244129	0.2222623	0.3012021	0.280748	0.3012021	0.83056974
SR62	0.3018031	0.229593	0.2115124	0.229593	0.2087011	0.3018031	0.83222701
SR63	0.3666335	0.247608	0.2281089	0.2492601	0.2545243	0.3666335	1.01099790
SR64	0.2992063	0.2404502	0.2404502	0.2618718	0.2308124	0.2992063	0.82506629
SR65	0.2939309	0.1944236	0.1791129	0.1998324	0.203383	0.2939309	0.81051929
SR66	0.2714981	0.1898234	0.1748748	0.1898234	0.1873389	0.2714981	0.74866047
SR67	0.2227707	0.1673753	0.1541944	0.1673753	0.1532484	0.2227707	0.61429387
SR68	0.1795493	0.1422269	0.1453393	0.1427848	0.1453393	0.1795493	0.49511015
SR69	0.1406437	0.128475	0.1536314	0.1506389	0.1729202	0.1729202	0.47683029
SR70	0.0787588	0.0842168	0.0669555	0.0855386	0.0899796	0.0899796	0.24812023
SR71	0.105441	0.1055288	0.086515	0.1191996	0.1240449	0.1240449	0.34205585
SR72	0.0652099	0.0652099	0.0578676	0.0639353	0.0687649	0.0687649	0.18962034
SR73	0.0738401	0.0638031	0.0602091	0.0723883	0.0831315	0.0831315	0.22923648
SR74	0.0686626	0.0626631	0.0555541	0.0626631	0.0686626	0.0686626	0.18933825
CR1	0.1188254	0.0934132	0.0924689	0.0945607	0.0963483	0.1188254	0.32766299
CR2	0.0984412	0.0693942	0.077496	0.0791627	0.0640737	0.0984412	0.27145323

Maximum : **1.011** **SR63**

First Highest 24-Hour Average (ppm)*(10)^3

	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.018978333	0.021520792	0.01951425	0.027391325	0.020671583	0.027391325	0.07553203
SR2	0.020647958	0.021710858	0.020801363	0.027459767	0.020607596	0.027459767	0.07572076
SR3	0.020143929	0.021150329	0.019467621	0.026259929	0.021823346	0.026259929	0.07241219
SR4	0.024019188	0.026957554	0.022083225	0.030863175	0.02776865	0.030863175	0.08510571
SR5	0.024542071	0.029788854	0.023011733	0.033167358	0.030274688	0.033167358	0.09145954
SR6	0.021975292	0.029052483	0.024579308	0.034715421	0.028641488	0.034715421	0.09572834
SR7	0.030743983	0.041364963	0.031093929	0.045179604	0.039219154	0.045179604	0.12458350
SR8	0.024306525	0.029913663	0.027758792	0.037836583	0.030955692	0.037836583	0.10433500
SR9	0.037202946	0.038259479	0.039293725	0.044900554	0.054099033	0.054099033	0.14917897
SR10	0.041059638	0.042265042	0.0517186	0.048227675	0.056458004	0.056458004	0.15568387
SR11	0.039235117	0.039485025	0.049385646	0.041509563	0.048268792	0.049385646	0.13618173
SR12	0.043984354	0.044826071	0.053331975	0.045732579	0.052860333	0.053331975	0.14706380
SR13	0.039566492	0.043360804	0.050821313	0.043660813	0.050536104	0.050821313	0.14014060
SR14	0.024615554	0.032433233	0.027891271	0.027536613	0.032103138	0.032433233	0.08943517
SR15	0.020768483	0.027640217	0.023961188	0.022814671	0.027396117	0.027640217	0.07621835
SR16	0.017883117	0.024355	0.020715383	0.019522542	0.0241477	0.024355	0.06715931
SR17	0.015971533	0.021720833	0.018710854	0.017642483	0.022041813	0.022041813	0.06078066
SR18	0.013633754	0.018648246	0.015910717	0.015342067	0.019479413	0.019479413	0.05371480
SR19	0.01823835	0.020063521	0.018193988	0.017763596	0.016988888	0.020063521	0.05532549
SR20	0.020055446	0.022990175	0.02019115	0.0198985	0.019722796	0.022990175	0.06339579
SR21	0.021960888	0.026006267	0.021952679	0.022134463	0.022319142	0.026006267	0.07171271
SR22	0.026618538	0.035893896	0.028858725	0.029773042	0.033124421	0.035893896	0.09897801
SR23	0.041064008	0.054518642	0.045204375	0.046955383	0.05001395	0.054518642	0.15033605
SR24	0.021018325	0.021886575	0.021015283	0.027223121	0.028307746	0.028307746	0.07805907
SR25	0.027266225	0.027039996	0.0329178	0.030712858	0.034559342	0.034559342	0.09529795
SR26	0.036908267	0.035335754	0.043444483	0.041600346	0.044380875	0.044380875	0.12238099
SR27	0.045182275	0.045440179	0.046191525	0.052790258	0.052919738	0.052919738	0.14592705
SR28	0.037612254	0.050696417	0.041512558	0.043230854	0.046480917	0.050696417	0.13979620
SR29	0.046979029	0.048095004	0.046898433	0.0558012	0.056406192	0.056406192	0.15554100
SR30	0.042104	0.056160179	0.046440588	0.048196138	0.051264	0.056160179	0.15486262
SR31	0.047577021	0.049294942	0.047707079	0.057175471	0.058573204	0.058573204	0.16151657
SR32	0.037702096	0.039147725	0.041125017	0.046041633	0.049534479	0.049534479	0.13659214
SR33	0.03663665	0.037919213	0.040258421	0.044721567	0.048348275	0.048348275	0.13332116
SR34	0.036602258	0.037840988	0.040972154	0.044737742	0.048591079	0.048591079	0.13399070
SR35	0.041849175	0.0438346	0.048850113	0.051516175	0.055937471	0.055937471	0.15424850
SR36	0.041541221	0.043398604	0.049291717	0.051158608	0.055700546	0.055700546	0.15359517
SR37	0.043056517	0.04498145	0.051619567	0.052987896	0.057738675	0.057738675	0.15921535
SR38	0.046866679	0.048938808	0.056690671	0.057477158	0.062678783	0.062678783	0.17283778
SR39	0.046208675	0.048212425	0.056016933	0.056701692	0.061841583	0.061841583	0.17052918
SR40	0.043479813	0.045316046	0.052782258	0.053503758	0.058379729	0.058379729	0.16098306
SR41	0.04388645	0.045576958	0.054068283	0.054005879	0.059034425	0.059034425	0.16278840
SR42	0.035709875	0.036359704	0.043019967	0.04386705	0.0483109	0.0483109	0.13321810
SR43	0.031226163	0.031514808	0.037723838	0.039031592	0.043014804	0.043014804	0.11861403

2041 - Future No Build

SR44	0.041633204	0.042874583	0.052206458	0.051417638	0.056391121	0.056391121	0.15549944
SR45	0.039718021	0.040513663	0.050032925	0.049103113	0.053963138	0.053963138	0.14880424
SR46	0.043275263	0.044309854	0.055137058	0.053476592	0.0587426	0.0587426	0.16198369
SR47	0.044612538	0.045610838	0.057013379	0.055042338	0.060501725	0.060501725	0.16683450
SR48	0.039707867	0.040376875	0.050899833	0.049199783	0.054244046	0.054244046	0.14957885
SR49	0.037524238	0.03852665	0.048968396	0.0460073	0.05142325	0.05142325	0.14180046
SR50	0.036610475	0.0395402	0.054105813	0.046273621	0.051444817	0.054105813	0.14919767
SR51	0.034861313	0.037104933	0.050548113	0.0449691	0.048177317	0.050548113	0.13938725
SR52	0.034054608	0.036060608	0.049120279	0.044449029	0.04690755	0.049120279	0.13544998
SR53	0.0356552	0.037449596	0.050627154	0.046355417	0.048505163	0.050627154	0.13960521
SR54	0.030474979	0.032739358	0.043918192	0.040232863	0.041899642	0.043918192	0.12110514
SR55	0.024321804	0.027074692	0.03491275	0.031034338	0.032833021	0.03491275	0.09627248
SR56	0.019535517	0.024706933	0.027070525	0.021177513	0.024204954	0.027070525	0.07464742
SR57	0.015806804	0.018131008	0.018779075	0.016224104	0.016833992	0.018779075	0.05178361
SR58	0.021007717	0.02739725	0.019687483	0.020102292	0.01916695	0.02739725	0.07554837
SR59	0.022822971	0.023918138	0.020535771	0.019294208	0.021571696	0.023918138	0.06595466
SR60	0.022075033	0.021818738	0.019778596	0.018344663	0.020704442	0.022075033	0.06087227
SR61	0.021970554	0.020008071	0.024763646	0.017967704	0.018889508	0.024763646	0.06828616
SR62	0.035341088	0.039091388	0.033271579	0.032112988	0.037392413	0.039091388	0.10779514
SR63	0.045154238	0.043243238	0.036022025	0.036713588	0.038923488	0.045154238	0.12451355
SR64	0.048075258	0.042842733	0.036559621	0.035909696	0.039453321	0.048075258	0.13256832
SR65	0.036064575	0.036333829	0.033649671	0.032374754	0.034809054	0.036333829	0.10019113
SR66	0.029053738	0.034622746	0.032792513	0.029745675	0.035594967	0.035594967	0.09815371
SR67	0.033944542	0.03685015	0.039997546	0.035933738	0.040562583	0.040562583	0.11185199
SR68	0.042105042	0.035283529	0.038654954	0.033066708	0.046091708	0.046091708	0.12709864
SR69	0.033850792	0.032449146	0.033013338	0.029504458	0.039228058	0.039228058	0.10817202
SR70	0.009755221	0.011659779	0.012749433	0.010216958	0.011022433	0.012749433	0.03515677
SR71	0.015515721	0.016652229	0.017460558	0.014207942	0.013320417	0.017460558	0.04814778
SR72	0.007383558	0.010179088	0.007243163	0.006534513	0.009997629	0.010179088	0.02806900
SR73	0.007187213	0.007864179	0.009020746	0.006848892	0.007501758	0.009020746	0.02487485
SR74	0.008814108	0.010207663	0.007602975	0.007652529	0.007646617	0.010207663	0.02814780
CR1	0.023576338	0.025567713	0.022884392	0.024684063	0.020267208	0.025567713	0.07050339
CR2	0.016549108	0.017205058	0.015266096	0.015571354	0.013057529	0.017205058	0.04744323

Maximum : **0.173** **SR38**

First Highest Annual Average (ppm)*(10)^3

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.003254	0.003172	0.003520	0.003320	0.003092	0.003519615	0.00970540
SR2	0.003868807	0.003671	0.004016	0.004050	0.003703	0.004049713	0.01116715
SR3	0.003999998	0.003775	0.004047	0.004212	0.003951	0.004212093	0.01161492
SR4	0.0064356	0.006043	0.006370	0.006697	0.006350	0.006696935	0.01846691
SR5	0.00693328	0.006538	0.006881	0.007245	0.006853	0.007245353	0.01997918
SR6	0.006233723	0.005887	0.006200	0.006484	0.006161	0.00648409	0.01787998
SR7	0.008990808	0.008548	0.009015	0.009449	0.008940	0.009449431	0.02605696
SR8	0.007136045	0.006734	0.007082	0.007383	0.007051	0.007382606	0.02035766
SR9	0.013222613	0.012595	0.013136	0.013834	0.013159	0.013833744	0.03814678
SR10	0.014260085	0.013671	0.014424	0.015028	0.014365	0.015027975	0.04143989
SR11	0.013089645	0.012589	0.013211	0.013755	0.013204	0.013755077	0.03792985
SR12	0.014730401	0.014207	0.014807	0.015455	0.014846	0.015455325	0.04261831
SR13	0.013902283	0.013416	0.013950	0.014621	0.014053	0.01462103	0.04031773
SR14	0.006679483	0.007215	0.006702	0.007122	0.006949	0.007215086	0.01989572
SR15	0.005783235	0.006239	0.005811	0.006178	0.006000	0.006238927	0.01720394
SR16	0.005016777	0.005430	0.005057	0.005363	0.005216	0.005429854	0.01497291
SR17	0.004509167	0.004889	0.004546	0.004819	0.004689	0.004888561	0.01348029
SR18	0.003725493	0.004075	0.003764	0.003989	0.003882	0.004074512	0.01123553
SR19	0.005993078	0.006278	0.005967	0.006485	0.006320	0.006485049	0.01788263
SR20	0.006877005	0.007173	0.006835	0.007448	0.007242	0.007448347	0.02053894
SR21	0.007693635	0.008011	0.007633	0.008327	0.008081	0.00832678	0.02296123
SR22	0.007815052	0.008470	0.007870	0.008353	0.008207	0.008469678	0.02335528
SR23	0.011855484	0.012777	0.011887	0.012572	0.012465	0.012776809	0.03523226
SR24	0.007009074	0.006741	0.007088	0.007388	0.007003	0.007388011	0.02037256
SR25	0.00920558	0.008891	0.009319	0.009775	0.009361	0.009774775	0.02695410
SR26	0.012538804	0.012184	0.012680	0.013249	0.012707	0.013249147	0.03653474
SR27	0.014928657	0.014469	0.014936	0.015661	0.014989	0.015660647	0.04318449

2041 - Future No Build

SR28	0.010861476	0.011763	0.010901	0.011515	0.011422	0.011763433	0.03243786
SR29	0.015853666	0.015294	0.015814	0.016554	0.015861	0.016554245	0.04564860
SR30	0.012219272	0.013238	0.012250	0.012929	0.012827	0.01323794	0.03650384
SR31	0.016368701	0.015781	0.016284	0.017077	0.016341	0.017076653	0.04708915
SR32	0.012937349	0.012417	0.012934	0.013589	0.012945	0.013589224	0.03747251
SR33	0.01253353	0.012025	0.012542	0.013177	0.012548	0.013177222	0.03633641
SR34	0.012539998	0.012031	0.012563	0.013197	0.012563	0.013196532	0.03638965
SR35	0.014653866	0.014089	0.014694	0.015415	0.014686	0.01541527	0.04250786
SR36	0.014538794	0.013977	0.014593	0.015305	0.014581	0.015305459	0.04220505
SR37	0.015117397	0.014542	0.015182	0.015916	0.015166	0.015916179	0.04388913
SR38	0.016560993	0.015948	0.016636	0.017429	0.016612	0.017428728	0.04806000
SR39	0.01630534	0.015700	0.016383	0.017164	0.016359	0.017163707	0.04732921
SR40	0.015271546	0.014693	0.015349	0.016085	0.015329	0.016084892	0.04435435
SR41	0.015416201	0.014834	0.015508	0.016246	0.015485	0.016245615	0.04479755
SR42	0.01223145	0.011733	0.012313	0.012917	0.012297	0.012916606	0.03561775
SR43	0.010636241	0.010179	0.010723	0.011245	0.010702	0.011245222	0.03100888
SR44	0.014554729	0.013996	0.014659	0.015355	0.014639	0.015354568	0.04234048
SR45	0.013801601	0.013261	0.013909	0.014570	0.013891	0.014570153	0.04017744
SR46	0.015172916	0.014598	0.015293	0.016008	0.015272	0.016007953	0.04414219
SR47	0.015671146	0.015084	0.015796	0.016530	0.015774	0.016530258	0.04558246
SR48	0.013816689	0.013275	0.013934	0.014589	0.013920	0.01458949	0.04023076
SR49	0.013028328	0.012505	0.013140	0.013760	0.013140	0.013759905	0.03794316
SR50	0.013162735	0.012689	0.013322	0.013921	0.013306	0.013920679	0.03838650
SR51	0.012306795	0.011847	0.012480	0.012993	0.012444	0.012992967	0.03582832
SR52	0.011999808	0.011541	0.012167	0.012652	0.012128	0.0126517	0.03488727
SR53	0.012518495	0.012039	0.012680	0.013172	0.012641	0.013171851	0.03632160
SR54	0.010691075	0.010256	0.010836	0.011244	0.010801	0.011244012	0.03100555
SR55	0.008327994	0.007972	0.008431	0.008751	0.008421	0.00875059	0.02412989
SR56	0.006536131	0.006218	0.006570	0.006791	0.006554	0.006790862	0.01872591
SR57	0.004756782	0.004459	0.004752	0.004911	0.004743	0.004911409	0.01354329
SR58	0.005902728	0.005755	0.005773	0.006106	0.006029	0.006105898	0.01683711
SR59	0.005068219	0.004939	0.004978	0.005301	0.005175	0.005300729	0.01461685
SR60	0.00475055	0.004631	0.004679	0.004983	0.004857	0.004983194	0.01374124
SR61	0.004475798	0.004374	0.004514	0.004765	0.004631	0.004764823	0.01313908
SR62	0.008216381	0.008985	0.008460	0.008837	0.008475	0.00898483	0.02477582
SR63	0.009117376	0.010032	0.009333	0.009745	0.009365	0.010031528	0.02766210
SR64	0.009434629	0.010422	0.009652	0.010109	0.009687	0.010421576	0.02873767
SR65	0.008395726	0.009154	0.008553	0.008874	0.008573	0.009153521	0.02524099
SR66	0.008227191	0.008911	0.008387	0.008648	0.008433	0.008910832	0.02457177
SR67	0.009119779	0.009773	0.009343	0.009626	0.009431	0.009773138	0.02694959
SR68	0.009142277	0.009754	0.009208	0.009766	0.009508	0.009766103	0.02693019
SR69	0.008499858	0.009065	0.008664	0.009188	0.008853	0.009188106	0.02533635
SR70	0.003458494	0.003370	0.003434	0.003600	0.003518	0.003599932	0.00992687
SR71	0.004126108	0.004127	0.004156	0.004338	0.004231	0.004337695	0.01196127
SR72	0.002169606	0.002348	0.002170	0.002251	0.002233	0.002347621	0.00647360
SR73	0.001911476	0.001846	0.001877	0.002044	0.001934	0.002044444	0.00563759
SR74	0.002216034	0.002381	0.002264	0.002416	0.002368	0.002416468	0.00666345
CR1	0.006776037	0.007047	0.006745	0.007377	0.007092	0.007376625	0.02034116
CR2	0.003747713	0.004009	0.003793	0.004075	0.003923	0.004075016	0.01123692

Maximum : **0.048** **SR38**

First Highest 10-min Average (ppm)*(10)^3

Receptor ID	2017	2018	2019	2020	2021	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.184304046	0.233856083	0.24158038	0.306723373	0.276821384	0.306723373	0.84579474
SR2	0.192777636	0.235556977	0.240993267	0.312600782	0.278834415	0.312600782	0.86200180
SR3	0.204403967	0.215077374	0.22289267	0.297745411	0.263885568	0.297745411	0.82103786
SR4	0.232197632	0.291853468	0.304011091	0.38378072	0.345407784	0.38378072	1.05828164
SR5	0.251444545	0.32098552	0.335490275	0.418948562	0.379854245	0.418948562	1.15525755
SR6	0.26830436	0.246956225	0.292437443	0.351174707	0.317578611	0.351174707	0.96837003
SR7	0.349666214	0.421554321	0.439022884	0.560430823	0.49876625	0.560430823	1.54539721
SR8	0.251616798	0.271002108	0.273344121	0.318292891	0.321197245	0.321197245	0.88570668
SR9	0.392802282	0.420888596	0.532267384	0.469885393	0.431154244	0.532267384	1.46773606
SR10	0.406910839	0.498067825	0.50553911	0.468427932	0.485765364	0.50553911	1.39403241
SR11	0.346967805	0.35941758	0.372420118	0.356824703	0.512652348	0.512652348	1.41364728

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SR12	0.394146119	0.444451081	0.380257049	0.476282534	0.559313739	0.559313739	1.54231683
SR13	0.383919117	0.432918722	0.360676199	0.471325844	0.530512815	0.530512815	1.46289781
SR14	0.265208431	0.268469841	0.234249308	0.268469841	0.322241827	0.322241827	0.88858714
SR15	0.208000304	0.21747306	0.183410577	0.21747306	0.260917962	0.260917962	0.71948557
SR16	0.175820217	0.188245716	0.154929882	0.188245716	0.225822952	0.225822952	0.62271050
SR17	0.145052009	0.159809116	0.128799952	0.159809116	0.191651964	0.191651964	0.52848344
SR18	0.112385056	0.136351997	0.10580311	0.128140503	0.153644178	0.153644178	0.42367635
SR19	0.118277163	0.132871761	0.113066966	0.132383903	0.159105075	0.159105075	0.43873486
SR20	0.142327506	0.156342422	0.127715733	0.156342422	0.187888163	0.187888163	0.51810470
SR21	0.171413151	0.18315707	0.151940806	0.18315707	0.22007915	0.22007915	0.60687187
SR22	0.304112329	0.302191948	0.269690145	0.304112329	0.363143892	0.363143892	1.00137525
SR23	0.468152294	0.45104822	0.415163291	0.468152294	0.542020237	0.542020237	1.49462971
SR24	0.166451507	0.201013738	0.200870717	0.250638937	0.221379718	0.250638937	0.69114099
SR25	0.216583059	0.232663854	0.250868002	0.293064854	0.306143196	0.306143196	0.84419490
SR26	0.302982858	0.342680143	0.330125001	0.397259554	0.434366769	0.434366769	1.19777351
SR27	0.3723676	0.420427163	0.411253166	0.506037703	0.479145929	0.506037703	1.39540728
SR28	0.433967433	0.42005904	0.384848259	0.433967433	0.504781396	0.504781396	1.39194300
SR29	0.358246161	0.404366681	0.43165168	0.532645911	0.458268806	0.532645911	1.46877986
SR30	0.479316696	0.461710067	0.42506478	0.479316696	0.554832355	0.554832355	1.52995934
SR31	0.339377445	0.404568992	0.440671921	0.544111384	0.459124291	0.544111384	1.50039609
SR32	0.295334365	0.329574221	0.358975965	0.430351112	0.383461647	0.430351112	1.18670027
SR33	0.288020633	0.319825001	0.348356233	0.4153476	0.373886167	0.4153476	1.14532784
SR34	0.287797349	0.320617563	0.34657524	0.411796679	0.373332249	0.411796679	1.13553611
SR35	0.324053539	0.382908225	0.393902191	0.474172064	0.430930629	0.474172064	1.30753726
SR36	0.321429613	0.387318099	0.396618602	0.465807309	0.439008516	0.465807309	1.28447131
SR37	0.334820091	0.404068418	0.415770388	0.480616768	0.464662809	0.480616768	1.32530864
SR38	0.371399647	0.439366234	0.455036958	0.520336184	0.518254119	0.520336184	1.43483558
SR39	0.367512808	0.434636462	0.450304048	0.511760695	0.51238249	0.51238249	1.41290314
SR40	0.345778219	0.412034993	0.426110024	0.479984568	0.480070282	0.480070282	1.32380170
SR41	0.358137161	0.420087942	0.436980786	0.475917384	0.497982441	0.497982441	1.37319477
SR42	0.280602031	0.343517626	0.353188233	0.398905949	0.383015739	0.398905949	1.09998971
SR43	0.254209676	0.306939061	0.314213816	0.356209679	0.331115909	0.356209679	0.98225405
SR44	0.349186449	0.405436862	0.423618879	0.452191234	0.484715001	0.484715001	1.33660958
SR45	0.335619919	0.389738228	0.407523386	0.431349453	0.464728209	0.464728209	1.28149568
SR46	0.372610372	0.42334159	0.445228779	0.461220062	0.520625859	0.520625859	1.43563437
SR47	0.386422317	0.435477248	0.458989032	0.470628409	0.54158721	0.54158721	1.49343563
SR48	0.344359073	0.393637618	0.413663221	0.420672743	0.478418603	0.478418603	1.31924716
SR49	0.332924648	0.378784559	0.3988531	0.369732609	0.462074721	0.462074721	1.27417864
SR50	0.379321962	0.417474585	0.443456209	0.38964211	0.533847553	0.533847553	1.47209340
SR51	0.363706728	0.385063451	0.41571242	0.363706728	0.514976524	0.514976524	1.42005623
SR52	0.353375185	0.370672816	0.401450107	0.353375185	0.501217263	0.501217263	1.38211484
SR53	0.361731352	0.373208386	0.405667909	0.361731352	0.517023081	0.517023081	1.42569965
SR54	0.324976405	0.334174184	0.361190976	0.315116534	0.443283956	0.443283956	1.22236280
SR55	0.296974649	0.304183674	0.302056028	0.264568469	0.337645832	0.337645832	0.93106393
SR56	0.281706894	0.26879519	0.249763469	0.223024461	0.280625813	0.281706894	0.77681139
SR57	0.24005306	0.204529152	0.215925261	0.270508966	0.214647484	0.270508966	0.74593292
SR58	0.337834435	0.339051105	0.275938155	0.337454587	0.380918811	0.380918811	1.05038988
SR59	0.405671377	0.362715324	0.340003534	0.460765235	0.491537572	0.491537572	1.35542294
SR60	0.390485538	0.35612347	0.338675221	0.458964589	0.4826042	0.4826042	1.33078902
SR61	0.357504631	0.403182545	0.367069377	0.497439589	0.463659349	0.497439589	1.37169784
SR62	0.498432149	0.379176133	0.349315763	0.379176133	0.34467286	0.498432149	1.37443484
SR63	0.605500484	0.408928164	0.37672512	0.411656631	0.420350532	0.605500484	1.66967754
SR64	0.494143496	0.397106954	0.397106954	0.432485034	0.381189989	0.494143496	1.36260882
SR65	0.485431098	0.321093364	0.295807524	0.330026075	0.335889942	0.485431098	1.33858423
SR66	0.448383007	0.313496068	0.288808241	0.313496068	0.309392881	0.448383007	1.23642351
SR67	0.367909007	0.276422709	0.254654263	0.276422709	0.253091931	0.367909007	1.01451513
SR68	0.296528244	0.234889765	0.240029939	0.235811145	0.240029939	0.296528244	0.81768151
SR69	0.232275088	0.212178305	0.253724461	0.248782304	0.285580191	0.285580191	0.78749207
SR70	0.130071288	0.139085253	0.110577969	0.141268225	0.1486026	0.1486026	0.40977411
SR71	0.174137324	0.174282327	0.142880763	0.196859849	0.204861932	0.204861932	0.56491014
SR72	0.107695085	0.107695085	0.095569171	0.105590065	0.113566219	0.113566219	0.31316072
SR73	0.121947984	0.105371735	0.099436192	0.119550316	0.137292865	0.137292865	0.37858733
SR74	0.113397269	0.103489009	0.091748393	0.103489009	0.113397269	0.113397269	0.31269483
CR1	0.196241853	0.15427324	0.152713715	0.156168352	0.159120599	0.196241853	0.54114013
CR2	0.162577054	0.114605517	0.127985756	0.130738335	0.105818635	0.162577054	0.44830890

Maximum : **1.670** **SR63**

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Benzo(a)pyrene

						Conversion Factor	1000000
						Molecular Weight	252.31
	First Highest 24-Hour Average (ppm)*(10)^6						
	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						ppm	(µg/m^3)
SR1	0.000751146	0.000849613	0.000771179	0.001082458	0.000815467	0.001082458	1.18E-05
SR2	0.000816354	0.000857088	0.000822642	0.001085117	0.000814629	0.001085117	1.18E-05
SR3	0.000796354	0.000834821	0.000769754	0.001037438	0.000863071	0.001037438	1.13E-05
SR4	0.000949738	0.001064475	0.000873375	0.001219771	0.001097858	0.001219771	1.32E-05
SR5	0.000970425	0.001176413	0.000910108	0.001310942	0.001197004	0.001310942	1.42E-05
SR6	0.000868713	0.001146942	0.000971838	0.001371658	0.001132029	0.001371658	1.49E-05
SR7	0.001215779	0.001634104	0.001228146	0.00178615	0.001550833	0.00178615	1.94E-05
SR8	0.000960913	0.00118065	0.001097438	0.001494783	0.001223383	0.001494783	1.62E-05
SR9	0.001470967	0.001514079	0.0015552	0.001773042	0.002138371	0.002138371	2.32E-05
SR10	0.001623471	0.001672825	0.002046679	0.001904113	0.002231471	0.002231471	2.42E-05
SR11	0.001551492	0.001563046	0.001954363	0.001633142	0.001907283	0.001954363	2.12E-05
SR12	0.00173935	0.001774454	0.002110533	0.00179625	0.002088525	0.002110533	2.29E-05
SR13	0.001553833	0.001715063	0.002011179	0.001713375	0.001985208	0.002011179	2.18E-05
SR14	0.000996813	0.001301733	0.001132696	0.001110983	0.001295496	0.001301733	1.41E-05
SR15	0.000853879	0.001121842	0.000987325	0.00093305	0.001118	0.001121842	1.22E-05
SR16	0.000736646	0.000988942	0.00085435	0.000799804	0.000986538	0.000988942	1.07E-05
SR17	0.000652488	0.000886571	0.000776071	0.000726888	0.000917633	0.000917633	9.96E-06
SR18	0.000557383	0.000761238	0.00066015	0.000632075	0.000810121	0.000810121	8.80E-06
SR19	0.000766975	0.000821046	0.000768346	0.000757033	0.000695588	0.000821046	8.92E-06
SR20	0.000852404	0.000938142	0.000853204	0.0008493	0.000806238	0.000938142	1.02E-05
SR21	0.000937646	0.001061967	0.000926554	0.000942538	0.000915438	0.001061967	1.15E-05
SR22	0.001051008	0.001416846	0.001137017	0.001172846	0.001300571	0.001416846	1.54E-05
SR23	0.001613458	0.002144154	0.001774979	0.001844879	0.001963383	0.002144154	2.33E-05
SR24	0.000841396	0.000898775	0.000832308	0.001099033	0.001127746	0.001127746	1.22E-05
SR25	0.001099021	0.001101417	0.001328888	0.001207979	0.001380063	0.001380063	1.50E-05
SR26	0.001483088	0.001418729	0.001744963	0.001636129	0.001767304	0.001767304	1.92E-05
SR27	0.001788163	0.001783413	0.001829058	0.002071783	0.002085217	0.002085217	2.26E-05
SR28	0.001476838	0.001993129	0.001629288	0.001697733	0.001824479	0.001993129	2.16E-05
SR29	0.001852575	0.001887608	0.001849638	0.00218965	0.002218529	0.002218529	2.41E-05
SR30	0.001652783	0.002206975	0.001822713	0.001892279	0.002012225	0.002206975	2.40E-05
SR31	0.0018729	0.001934708	0.001878842	0.002243558	0.002302163	0.002302163	2.50E-05
SR32	0.001480592	0.001536467	0.001617988	0.001806513	0.00194525	0.00194525	2.11E-05
SR33	0.001438667	0.00148825	0.001583729	0.001754688	0.0018986	0.0018986	2.06E-05
SR34	0.001437179	0.001485175	0.001611275	0.001755317	0.001907971	0.001907971	2.07E-05
SR35	0.001643025	0.001720417	0.001919942	0.002021329	0.002196171	0.002196171	2.38E-05
SR36	0.001630833	0.001703292	0.001937017	0.002007288	0.002186733	0.002186733	2.37E-05
SR37	0.001690271	0.001765413	0.002028242	0.002079067	0.002266671	0.002266671	2.46E-05
SR38	0.001839788	0.001920738	0.002227125	0.002255267	0.002460467	0.002460467	2.67E-05
SR39	0.001813967	0.001892221	0.002200646	0.002224817	0.002427588	0.002427588	2.64E-05
SR40	0.001706838	0.00177855	0.002073675	0.002099304	0.002291688	0.002291688	2.49E-05
SR41	0.00172275	0.001788788	0.0021239	0.002119	0.002317263	0.002317263	2.52E-05
SR42	0.001401842	0.001427	0.001690383	0.001721104	0.001896408	0.001896408	2.06E-05
SR43	0.001225871	0.001237338	0.001482421	0.001531358	0.001688488	0.001688488	1.83E-05
SR44	0.001634279	0.001682683	0.002050567	0.002017433	0.002213346	0.002213346	2.40E-05
SR45	0.001559125	0.001589996	0.001965158	0.001926629	0.002117992	0.002117992	2.30E-05
SR46	0.001698738	0.001738996	0.002165379	0.002098275	0.002305521	0.002305521	2.50E-05
SR47	0.001751225	0.001790067	0.002238963	0.002159746	0.002374554	0.002374554	2.58E-05
SR48	0.001558746	0.001585438	0.001999004	0.001930463	0.002128971	0.002128971	2.31E-05
SR49	0.001473075	0.001512721	0.001923067	0.001805104	0.002018313	0.002018313	2.19E-05
SR50	0.001437083	0.001552383	0.002124496	0.001815446	0.002019229	0.002124496	2.31E-05
SR51	0.001368392	0.001456758	0.001984804	0.001764638	0.001891004	0.001984804	2.16E-05
SR52	0.001336688	0.001415775	0.001928746	0.001744517	0.001841163	0.001928746	2.09E-05
SR53	0.001399492	0.001470283	0.001987854	0.001819604	0.001903854	0.001987854	2.16E-05
SR54	0.001196183	0.001285179	0.001724575	0.001579554	0.001644596	0.001724575	1.87E-05
SR55	0.000955046	0.001062442	0.001371213	0.001218692	0.00128875	0.001371213	1.49E-05
SR56	0.000767708	0.000970313	0.0010635	0.000832121	0.000950021	0.0010635	1.15E-05
SR57	0.000619133	0.000713475	0.000738208	0.000637042	0.000659354	0.000738208	8.02E-06
SR58	0.000825054	0.001075708	0.000773058	0.000789246	0.000752842	0.001075708	1.17E-05
SR59	0.000896313	0.000939129	0.000806358	0.000757617	0.0008472	0.000939129	1.02E-05
SR60	0.000866954	0.000856729	0.000776658	0.00072035	0.000813163	0.000866954	9.41E-06

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SR61	0.000862842	0.000785788	0.000972396	0.000705588	0.000741896	0.000972396	1.06E-05
SR62	0.001387058	0.001505621	0.001284988	0.001253413	0.00143085	0.001505621	1.63E-05
SR63	0.001771904	0.001655704	0.001375858	0.001428754	0.001471725	0.001771904	1.92E-05
SR64	0.001871379	0.001625163	0.001386633	0.001380133	0.001477021	0.001871379	2.03E-05
SR65	0.001403096	0.001355754	0.001233658	0.001231388	0.001276771	0.001403096	1.52E-05
SR66	0.001130842	0.0012743	0.001178296	0.00111475	0.001273229	0.0012743	1.38E-05
SR67	0.00116035	0.00129065	0.001357029	0.001180304	0.0014208	0.0014208	1.54E-05
SR68	0.001374467	0.001179529	0.001256929	0.001126283	0.001487233	0.001487233	1.62E-05
SR69	0.001175417	0.001216883	0.001344354	0.00114615	0.001544271	0.001544271	1.68E-05
SR70	0.000385967	0.000458054	0.000504754	0.00040565	0.000447954	0.000504754	5.48E-06
SR71	0.000665796	0.000699183	0.000748929	0.000606688	0.000579533	0.000748929	8.13E-06
SR72	0.000280938	0.000381488	0.000275458	0.000253029	0.000371175	0.000381488	4.14E-06
SR73	0.000295383	0.000318325	0.000375929	0.000289017	0.000314888	0.000375929	4.08E-06
SR74	0.000359163	0.000412663	0.000311867	0.000308842	0.000313567	0.000412663	4.48E-06
CR1	0.000894742	0.0009662	0.000893021	0.000932529	0.000785017	0.0009662	1.05E-05
CR2	0.000660538	0.000656654	0.000597475	0.000599667	0.000521563	0.000660538	7.17E-06

Maximum : **2.67E-05** **SR38**

First Highest Annual Average (ppm)*(10)^6

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.000129	0.000125	0.000139	0.000131	0.000122	0.000139181	1.51E-06
SR2	0.000153013	0.000145	0.000159	0.000160	0.000146	0.000160152	1.74E-06
SR3	0.000158203	0.000149	0.000160	0.000167	0.000156	0.000166574	1.81E-06
SR4	0.000254584	0.000239	0.000252	0.000265	0.000251	0.000264904	2.88E-06
SR5	0.000274277	0.000259	0.000272	0.000287	0.000271	0.000286602	3.11E-06
SR6	0.000246588	0.000233	0.000245	0.000256	0.000244	0.000256466	2.79E-06
SR7	0.000355692	0.000338	0.000357	0.000374	0.000354	0.000373813	4.06E-06
SR8	0.000282291	0.000266	0.000280	0.000292	0.000279	0.000292013	3.17E-06
SR9	0.000523133	0.000498	0.000520	0.000547	0.000521	0.000547262	5.94E-06
SR10	0.000564178	0.000541	0.000571	0.000595	0.000568	0.000594503	6.46E-06
SR11	0.000517654	0.000498	0.000522	0.000544	0.000522	0.000543986	5.91E-06
SR12	0.000582272	0.000562	0.000585	0.000611	0.000587	0.00061106	6.64E-06
SR13	0.00054858	0.000529	0.000550	0.000577	0.000555	0.000577179	6.27E-06
SR14	0.000271649	0.000293	0.000273	0.000289	0.000282	0.000293047	3.18E-06
SR15	0.000239479	0.000258	0.000241	0.000255	0.000248	0.000257854	2.80E-06
SR16	0.000207889	0.000225	0.000209	0.000222	0.000215	0.000224559	2.44E-06
SR17	0.000188133	0.000204	0.000190	0.000200	0.000195	0.000203513	2.21E-06
SR18	0.000154888	0.000169	0.000156	0.000165	0.000161	0.000169142	1.84E-06
SR19	0.000261762	0.000273	0.000260	0.000283	0.000276	0.000283018	3.07E-06
SR20	0.00030067	0.000312	0.000298	0.000326	0.000316	0.000325515	3.53E-06
SR21	0.000335591	0.000348	0.000332	0.000363	0.000352	0.000363169	3.94E-06
SR22	0.000315106	0.000341	0.000317	0.000337	0.000331	0.000340554	3.70E-06
SR23	0.00046975	0.000506	0.000471	0.000498	0.000494	0.000505795	5.49E-06
SR24	0.000284081	0.000274	0.000287	0.000299	0.000284	0.000299223	3.25E-06
SR25	0.000373969	0.000362	0.000378	0.000397	0.000381	0.000397376	4.32E-06
SR26	0.000506487	0.000493	0.000512	0.000536	0.000514	0.000535629	5.82E-06
SR27	0.000591044	0.000573	0.000591	0.000620	0.000594	0.000620209	6.73E-06
SR28	0.000429179	0.000465	0.000431	0.000455	0.000451	0.000464562	5.04E-06
SR29	0.000625075	0.000603	0.000623	0.000653	0.000625	0.000652695	7.09E-06

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SR30	0.000481751	0.000522	0.000483	0.000510	0.000506	0.000521752	5.67E-06
SR31	0.000644444	0.000621	0.000641	0.000672	0.000643	0.000672277	7.30E-06
SR32	0.000508309	0.000488	0.000508	0.000534	0.000509	0.000533908	5.80E-06
SR33	0.000492395	0.000472	0.000493	0.000518	0.000493	0.000517674	5.62E-06
SR34	0.000492563	0.000473	0.000493	0.000518	0.000494	0.000518349	5.63E-06
SR35	0.000575468	0.000553	0.000577	0.000605	0.000577	0.000605369	6.57E-06
SR36	0.000570891	0.000549	0.000573	0.000601	0.000573	0.000600999	6.53E-06
SR37	0.000593576	0.000571	0.000596	0.000625	0.000596	0.000624944	6.79E-06
SR38	0.000650217	0.000626	0.000653	0.000684	0.000652	0.000684291	7.43E-06
SR39	0.000640173	0.000616	0.000643	0.000674	0.000642	0.000673879	7.32E-06
SR40	0.000599588	0.000577	0.000603	0.000632	0.000602	0.000631527	6.86E-06
SR41	0.000605224	0.000582	0.000609	0.000638	0.000608	0.000637791	6.93E-06
SR42	0.000480224	0.000461	0.000483	0.000507	0.000483	0.000507131	5.51E-06
SR43	0.00041759	0.000400	0.000421	0.000442	0.000420	0.000441507	4.79E-06
SR44	0.000571367	0.000549	0.000575	0.000603	0.000575	0.000602772	6.55E-06
SR45	0.000541793	0.000521	0.000546	0.000572	0.000545	0.000571968	6.21E-06
SR46	0.000595603	0.000573	0.000600	0.000628	0.000599	0.000628386	6.82E-06
SR47	0.000615151	0.000592	0.000620	0.000649	0.000619	0.000648879	7.05E-06
SR48	0.000542361	0.000521	0.000547	0.000573	0.000546	0.000572702	6.22E-06
SR49	0.0005114	0.000491	0.000516	0.000540	0.000516	0.000540127	5.87E-06
SR50	0.000516654	0.000498	0.000523	0.000546	0.000522	0.000546423	5.93E-06
SR51	0.00048306	0.000465	0.000490	0.000510	0.000488	0.00051001	5.54E-06
SR52	0.00047101	0.000453	0.000478	0.000497	0.000476	0.000496615	5.39E-06
SR53	0.000491367	0.000473	0.000498	0.000517	0.000496	0.000517028	5.61E-06
SR54	0.000419647	0.000403	0.000425	0.000441	0.000424	0.000441366	4.79E-06
SR55	0.000326906	0.000313	0.000331	0.000344	0.000331	0.000343508	3.73E-06
SR56	0.000256581	0.000244	0.000258	0.000267	0.000257	0.000266595	2.90E-06
SR57	0.000186746	0.000175	0.000187	0.000193	0.000186	0.000192832	2.09E-06
SR58	0.000231753	0.000226	0.000227	0.000240	0.000237	0.000239741	2.60E-06
SR59	0.000199017	0.000194	0.000195	0.000208	0.000203	0.00020813	2.26E-06
SR60	0.000186565	0.000182	0.000184	0.000196	0.000191	0.000195676	2.12E-06
SR61	0.000175787	0.000172	0.000177	0.000187	0.000182	0.000187102	2.03E-06
SR62	0.000317072	0.000347	0.000327	0.000342	0.000327	0.000347262	3.77E-06
SR63	0.000348394	0.000384	0.000357	0.000373	0.000358	0.000384021	4.17E-06
SR64	0.000354323	0.000393	0.000363	0.000381	0.000365	0.000392611	4.26E-06
SR65	0.000308575	0.000338	0.000315	0.000328	0.000316	0.000337734	3.67E-06
SR66	0.000295645	0.000322	0.000302	0.000313	0.000304	0.000321966	3.50E-06
SR67	0.000312539	0.000337	0.000321	0.000333	0.000325	0.000336995	3.66E-06
SR68	0.000320913	0.000343	0.000325	0.000344	0.000332	0.000344119	3.74E-06
SR69	0.000338271	0.000360	0.000345	0.000364	0.000350	0.000363694	3.95E-06
SR70	0.000142068	0.000138	0.000141	0.000148	0.000145	0.000148172	1.61E-06
SR71	0.000173924	0.000174	0.000175	0.000184	0.000179	0.000183807	2.00E-06
SR72	8.56E-05	0.000093	0.000086	0.000089	0.000088	9.26294E-05	1.01E-06
SR73	7.69E-05	0.000074	0.000075	0.000082	0.000078	8.23011E-05	8.94E-07
SR74	8.92E-05	0.000096	0.000091	0.000097	0.000095	9.71942E-05	1.06E-06
CR1	0.000273457	0.000284	0.000271	0.000296	0.000285	0.000296139	3.22E-06
CR2	0.000150542	0.000161	0.000152	0.000163	0.000157	0.000162934	1.77E-06

Maximum : **7.43E-06** **SR38**

2041 - Future Build

Carbon Monoxide (CO)

Conversion Factor: 1
MW 28.01

	First Highest 1-Hour Average (ppm)					5-year Maximum	
Receptor ID	2018	2019	2020	2021	2022	ppm	(µg/m^3)
SR1	0.7192582	0.8981755	0.9265575	1.206521	1.0760703	1.206521	1454.49215
SR2	0.7508034	0.9042944	0.9236548	1.2290181	1.083401	1.2290181	1481.61298
SR3	0.7937891	0.8234201	0.8660513	1.1676579	1.0268083	1.1676579	1407.64168
SR4	0.9059492	1.124323	1.1686932	1.5138227	1.3468232	1.5138227	1824.95226
SR5	0.9808346	1.2382679	1.290779	1.6522441	1.4832307	1.6522441	1991.82283
SR6	1.045298	0.9483105	1.1403676	1.3817306	1.2522297	1.3817306	1665.71183
SR7	1.3592932	1.6263328	1.6913773	2.2094855	1.9477831	2.2094855	2663.59169
SR8	1.0052218	1.0870683	1.0682524	1.2489047	1.2968274	1.2968274	1563.35884
SR9	1.580283	1.6621826	2.1707041	1.8818771	1.8036274	2.1707041	2616.83971
SR10	1.6270548	2.0299888	2.040658	1.9270865	1.9430877	2.040658	2460.06579
SR11	1.3832439	1.4466707	1.5177449	1.4395767	2.089011	2.089011	2518.35658
SR12	1.5712545	1.785979	1.497975	1.9239223	2.2561877	2.2561877	2719.89239
SR13	1.5218952	1.7298747	1.4119442	1.8942312	2.128849	2.128849	2566.38231
SR14	1.0544238	1.0688056	0.9255096	1.0688056	1.2908365	1.2908365	1556.13665
SR15	0.8131159	0.8522009	0.712912	0.8522009	1.0290564	1.0290564	1240.55400
SR16	0.6824055	0.7332251	0.5979987	0.7332251	0.8853388	0.8853388	1067.29873
SR17	0.5567046	0.6167335	0.4900958	0.6167335	0.7445813	0.7445813	897.61194
SR18	0.4262024	0.5269874	0.4031892	0.4901914	0.5917664	0.5917664	713.38964
SR19	0.4652005	0.5338213	0.436723	0.5280339	0.6380799	0.6380799	769.22176
SR20	0.5717325	0.6292765	0.5040962	0.6292765	0.7603108	0.7603108	916.57426
SR21	0.6891994	0.7376063	0.6059937	0.7376063	0.8911539	0.8911539	1074.30898
SR22	1.2440608	1.2373376	1.0947111	1.2440608	1.4950811	1.4950811	1802.35878
SR23	1.9864477	1.914795	1.7479806	1.9864477	2.3136449	2.3136449	2789.15853
SR24	0.6500303	0.8110508	0.8084704	0.954064	0.836624	0.954064	1150.14873
SR25	0.8435567	0.9159645	0.9909732	1.1328472	1.2178806	1.2178806	1468.18644
SR26	1.1750246	1.3371872	1.2552655	1.5401423	1.6904455	1.6904455	2037.87560
SR27	1.4418254	1.6399988	1.5642343	1.961388	1.8856946	1.961388	2364.50376
SR28	1.8230591	1.7656238	1.6042055	1.8230591	2.1334014	2.1334014	2571.87035
SR29	1.3980135	1.589942	1.642761	2.0655413	1.8275741	2.0655413	2490.06325
SR30	2.038358	1.9643928	1.7936608	2.038358	2.3735728	2.3735728	2861.40316
SR31	1.329959	1.537885	1.6773993	2.1102133	1.7670965	2.1102133	2543.91649
SR32	1.1798091	1.2558303	1.3698151	1.674777	1.4773014	1.674777	2018.98682
SR33	1.1512868	1.2190919	1.3435683	1.6171129	1.4406971	1.6171129	1949.47126
SR34	1.1514759	1.2539835	1.3564112	1.6045598	1.4394535	1.6045598	1934.33817
SR35	1.2977545	1.5022154	1.5448067	1.8488384	1.685087	1.8488384	2228.82232
SR36	1.2892542	1.5235534	1.5545902	1.8182552	1.7175777	1.8182552	2191.95348
SR37	1.328227	1.59153	1.6317983	1.8773386	1.8183277	1.8773386	2263.18004
SR38	1.4236606	1.7328317	1.788331	2.0339174	2.0289242	2.0339174	2451.93982
SR39	1.408646	1.7147967	1.7703983	2.0007303	2.0064156	2.0064156	2418.78569
SR40	1.3383242	1.6263	1.6760423	1.8770173	1.8813689	1.8813689	2268.03867
SR41	1.377076	1.6622226	1.7233514	1.8642827	1.9552189	1.9552189	2357.06675
SR42	1.1270907	1.3584083	1.3920339	1.5537198	1.5043956	1.5537198	1873.04924
SR43	1.0140545	1.2152414	1.240181	1.3874958	1.3021451	1.3874958	1672.66193
SR44	1.3472842	1.609309	1.6766536	1.7673849	1.9092468	1.9092468	2301.64620
SR45	1.2970006	1.5492238	1.615217	1.6882629	1.8328809	1.8328809	2209.58514
SR46	1.441999	1.6852748	1.7673835	1.8094988	2.0562351	2.0562351	2478.84438
SR47	1.4971093	1.7351422	1.8237796	1.8485425	2.1416941	2.1416941	2581.86741
SR48	1.3343165	1.5687789	1.6439395	1.6525803	1.8922602	1.8922602	2281.16842
SR49	1.2933297	1.5128098	1.588794	1.4527206	1.8319848	1.8319848	2208.50487
SR50	1.4810196	1.6756967	1.7751532	1.5678734	2.1277587	2.1277587	2565.06793
SR51	1.4215491	1.543139	1.6636206	1.4215491	2.055022	2.055022	2477.38196
SR52	1.3802308	1.4827613	1.6041372	1.3802308	1.9995999	1.9995999	2410.56919
SR53	1.4123812	1.4906566	1.6190327	1.4123812	2.0626333	2.0626333	2486.55758
SR54	1.2436572	1.3343874	1.4413846	1.229486	1.766822	1.766822	2129.94944
SR55	1.1328793	1.1649764	1.2051909	1.0591495	1.3426821	1.3426821	1618.63786
SR56	1.0705776	1.0223622	0.9673751	0.8915819	1.0620903	1.0705776	1290.60888

2041 - Future Build

SR57	0.9136997	0.7854898	0.8082246	1.0296214	0.8042659	1.0296214	1241.23512
SR58	1.3411338	1.3479871	1.0752597	1.3478253	1.5204363	1.5204363	1832.92513
SR59	1.5886062	1.4128388	1.3280542	1.8237815	1.9401855	1.9401855	2338.94360
SR60	1.5303773	1.3872184	1.3213298	1.8145458	1.9050031	1.9050031	2296.53031
SR61	1.4008803	1.5921464	1.4342766	1.969633	1.832715	1.969633	2374.44332
SR62	1.9791778	1.4796227	1.3484039	1.4796227	1.3876686	1.9791778	2385.94982
SR63	2.3177562	1.5261148	1.3907673	1.5382453	1.6362088	2.3177562	2794.11481
SR64	1.7850603	1.4588485	1.4588485	1.590847	1.4538914	1.7850603	2151.93618
SR65	1.8080573	1.1770172	1.0636983	1.1995903	1.2683841	1.8080573	2179.65965
SR66	1.7277709	1.1772569	1.0727835	1.1772569	1.2082318	1.7277709	2082.87233
SR67	1.4424908	1.0618436	0.9676624	1.0618436	1.0042388	1.4424908	1738.95982
SR68	1.1707479	0.9106261	0.843041	0.9106261	0.8122138	1.1707479	1411.36675
SR69	0.815986	0.8278246	0.7692626	0.7337587	0.8198261	0.8278246	997.96388
SR70	0.4683264	0.5284613	0.4183189	0.4785883	0.5195031	0.5284613	637.07371
SR71	0.5880537	0.610749	0.471001	0.6509479	0.685321	0.685321	826.17212
SR72	0.3796069	0.3774583	0.3355714	0.37011	0.4038611	0.4038611	486.86496
SR73	0.4589714	0.3932338	0.3670093	0.4409418	0.5154387	0.5154387	621.37463
SR74	0.3904224	0.3514791	0.3109552	0.3514791	0.3904224	0.3904224	470.66426
CR1	0.7278315	0.5748392	0.5621645	0.5812313	0.5984606	0.7278315	877.41962
CR2	0.6125108	0.4304172	0.4824448	0.4935694	0.3934074	0.6125108	738.39755

Maximum : 2861.403 SR30

First Highest 8-Hour Average (ppm)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.3587338	0.283892463	0.300135563	0.365670	0.351322963	0.365669675	440.82421
SR2	0.34529969	0.288658488	0.293129063	0.368665	0.351358413	0.368664825	444.43494
SR3	0.3083121	0.283906113	0.27765765	0.367895	0.322226088	0.367894563	443.50637
SR4	0.360781338	0.361379	0.338814125	0.435162	0.372391813	0.435162375	524.59945
SR5	0.361498863	0.399392613	0.367962375	0.474865	0.4104214	0.474864813	572.46176
SR6	0.317589775	0.38632295	0.379866863	0.509068	0.377532413	0.509068138	613.69475
SR7	0.4464272	0.552090613	0.503979475	0.654302	0.53740575	0.654302413	788.77841
SR8	0.351446175	0.388632475	0.425146375	0.535936	0.412818225	0.5359359	646.08453
SR9	0.661406238	0.562086563	0.754328213	0.624216	0.663398963	0.754328213	909.36209
SR10	0.687809125	0.59455125	1.026358238	0.625509	0.702043438	1.026358238	1237.30130
SR11	0.579729675	0.54772605	0.974626963	0.534544	0.640401913	0.974626963	1174.93791
SR12	0.623393625	0.623190138	1.045604525	0.589958	0.704451138	1.045604525	1260.50319
SR13	0.58815765	0.5893792	0.983471625	0.585161	0.675642475	0.983471625	1185.60038
SR14	0.335194363	0.423013813	0.337926338	0.395516	0.49354515	0.49354515	594.98139
SR15	0.272401938	0.337461938	0.270964575	0.305578	0.398789238	0.398789238	480.75070
SR16	0.249185825	0.295124375	0.241470638	0.257169	0.347724863	0.347724863	419.19128
SR17	0.221163163	0.253963813	0.216644788	0.216345	0.300567613	0.300567613	362.34200
SR18	0.203058888	0.217210225	0.1882771	0.188432	0.249368388	0.249368388	300.62002
SR19	0.240630063	0.22604165	0.214472075	0.213652	0.254572825	0.254572825	306.89410
SR20	0.261494138	0.26071825	0.236652325	0.234080	0.296603313	0.296603313	357.56293
SR21	0.286649213	0.299808838	0.260359488	0.262430	0.342080188	0.342080188	412.38648
SR22	0.382112475	0.491609338	0.392118263	0.460894	0.561220638	0.561220638	676.56594
SR23	0.586776088	0.79250285	0.638260863	0.754907	0.8852023	0.8852023	1067.13418
SR24	0.29474395	0.269630975	0.410347438	0.343093	0.2905262	0.410347438	494.68441
SR25	0.374660638	0.3442289	0.605447663	0.409253	0.398550188	0.605447663	729.88275
SR26	0.47324525	0.4702334	0.786623775	0.551403	0.531730375	0.786623775	948.29522
SR27	0.548474013	0.57877095	0.894710225	0.700367	0.626788275	0.894710225	1078.59622
SR28	0.498277738	0.7247514	0.581215925	0.689654	0.812630963	0.812630963	979.64756
SR29	0.5784412	0.613699663	0.9121384	0.739344	0.640141975	0.9121384	1099.60634
SR30	0.5698515	0.828677025	0.6540922	0.775927	0.909660438	0.909660438	1096.61909
SR31	0.621644275	0.615428363	0.929286925	0.757552	0.689469788	0.929286925	1120.27933
SR32	0.5614942	0.509793238	0.796123138	0.616018	0.59868385	0.796123138	959.74695
SR33	0.549797425	0.496571638	0.779709413	0.599077	0.583497425	0.779709413	939.95978
SR34	0.555802513	0.499550025	0.79338305	0.599667	0.587912138	0.79338305	956.44371
SR35	0.647558175	0.579533475	0.947261888	0.687785	0.686886363	0.947261888	1141.94861

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SR36	0.648221288	0.578505	0.956518288	0.683727	0.686797763	0.956518288	1153.10744
SR37	0.674366525	0.6000739	1.002903163	0.707427	0.714909813	1.002903163	1209.02560
SR38	0.731315113	0.650728238	1.100398188	0.765990	0.7799508	1.100398188	1326.55836
SR39	0.722927775	0.642655963	1.088145063	0.755902	0.769960125	1.088145063	1311.78690
SR40	0.684659375	0.60822115	1.026814838	0.714615	0.726028463	1.026814838	1237.85174
SR41	0.695523325	0.617294163	1.053526663	0.721958	0.738160538	1.053526663	1270.05353
SR42	0.564466263	0.500269613	0.836337813	0.590668	0.592968863	0.836337813	1008.22678
SR43	0.5017396	0.442053925	0.73615985	0.525839	0.52269005	0.73615985	887.45966
SR44	0.66752305	0.593013588	1.0190518	0.689836	0.707744488	1.0190518	1228.49320
SR45	0.6391088	0.56795225	0.97693015	0.660107	0.677027263	0.97693015	1177.71446
SR46	0.69859895	0.621046275	1.079249763	0.717299	0.7429631	1.079249763	1301.06339
SR47	0.719832313	0.640534225	1.11685525	0.737953	0.767367575	1.11685525	1346.39778
SR48	0.6457893	0.574281538	0.9961613	0.661458	0.685080488	0.9961613	1200.89811
SR49	0.620127588	0.551304063	0.960097975	0.614141	0.657081288	0.960097975	1157.42284
SR50	0.665473813	0.601164925	1.06409965	0.614284	0.719193938	1.06409965	1282.79954
SR51	0.596482138	0.543503925	0.991254313	0.594597	0.643888013	0.991254313	1194.98261
SR52	0.578536275	0.5266725	0.962650988	0.586341	0.6245169	0.962650988	1160.50056
SR53	0.595861325	0.5411562	0.99109415	0.608953	0.642680438	0.99109415	1194.78953
SR54	0.52038055	0.471371688	0.859724325	0.525138	0.556865263	0.859724325	1036.41982
SR55	0.424826125	0.380492563	0.682177775	0.395237	0.446794688	0.682177775	822.38288
SR56	0.346754775	0.30611675	0.529221138	0.301625	0.35829575	0.529221138	637.98971
SR57	0.268489538	0.228348	0.366989638	0.239177	0.269003813	0.366989638	442.41546
SR58	0.393494663	0.534022325	0.323683388	0.299763	0.30631105	0.534022325	643.77767
SR59	0.4371922	0.46341145	0.386598288	0.342228	0.360611863	0.46341145	558.65444
SR60	0.422814513	0.423090063	0.38043825	0.335848	0.348914538	0.423090063	510.04597
SR61	0.420814013	0.32059615	0.477897025	0.353641	0.3331673	0.477897025	576.11717
SR62	0.5350233	0.3967586	0.47760315	0.425262	0.472065225	0.5350233	644.98437
SR63	0.690727975	0.437411238	0.4755416	0.534804	0.48770845	0.690727975	832.69037
SR64	0.75288825	0.499931338	0.380921175	0.506548	0.47864385	0.75288825	907.62618
SR65	0.56718485	0.37076785	0.361746263	0.450689	0.417002388	0.56718485	683.75595
SR66	0.453902675	0.350060263	0.350814	0.410044	0.4285382	0.453902675	547.19137
SR67	0.345407463	0.31130195	0.323378263	0.355228	0.368432613	0.368432613	444.15501
SR68	0.300797113	0.257176638	0.357500538	0.345969	0.306765225	0.357500538	430.97611
SR69	0.238574575	0.2102063	0.257475213	0.257111	0.274521063	0.274521063	330.94221
SR70	0.162696438	0.2133945	0.211691613	0.127024	0.14974915	0.2133945	257.25257
SR71	0.20717665	0.2572377	0.247054088	0.147939	0.165298588	0.2572377	310.10667
SR72	0.088838063	0.119464475	0.090415988	0.090894	0.11352465	0.119464475	144.01750
SR73	0.122786113	0.135198788	0.139373863	0.111674	0.106385925	0.139373863	168.01878
SR74	0.093494738	0.119220225	0.092020688	0.100111	0.107331963	0.119220225	143.72305
SR75	0.263456088	0.224124638	0.220792325	0.260528	0.235284663	0.263456088	317.60310
SR76	0.223817075	0.1706631	0.16164785	0.195693	0.158471338	0.223817075	269.81725

Maximum : **1346.398** **SR47**

Nitrogen Oxides (NOx)

Conversion Factor: 10

First Highest 1-Hour Average (ppm)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ppb
SR1	0.4794267	0.6010168	0.6204616	0.8043849	0.7188593	0.08043849	80.43849
SR2	0.5005143	0.6052167	0.6186805	0.8194917	0.7238805	0.08194917	81.94917
SR3	0.5295702	0.5517825	0.5776256	0.7793428	0.6859438	0.07793428	77.93428
SR4	0.6034315	0.7515486	0.7817469	1.0083789	0.8988644	0.10083789	100.83789
SR5	0.6531624	0.8272644	0.8629733	1.100161	0.9894036	0.1100161	110.0161
SR6	0.6971778	0.6355114	0.7604052	0.9222744	0.8340293	0.09222744	92.22744
SR7	0.9044833	1.0852909	1.1294326	1.4697222	1.2979367	0.14697222	146.97222
SR8	0.6655902	0.7199075	0.7132922	0.8348647	0.8605778	0.08605778	86.05778
SR9	1.0468769	1.1011322	1.4362508	1.2457819	1.1933736	0.14362508	143.62508
SR10	1.0789733	1.3438302	1.350893	1.2757101	1.2863026	0.1350893	135.0893
SR11	0.9172913	0.9576801	1.0047305	0.9524988	1.3821981	0.13821981	138.21981
SR12	1.0408957	1.1822987	0.9923307	1.272967	1.4928112	0.14928112	149.28112

2041 - Future Build

SR13	1.0081972	1.1451581	0.9363237	1.253322	1.4085573	0.14085573	140.85573
SR14	0.6914848	0.7006192	0.608897	0.7006192	0.8461384	0.08461384	84.61384
SR15	0.5514471	0.577441	0.4834974	0.577441	0.6968528	0.06968528	69.68528
SR16	0.4635444	0.4974535	0.4061798	0.4974535	0.6002817	0.06002817	60.02817
SR17	0.3792248	0.4194168	0.3332939	0.4194168	0.5060329	0.05060329	50.60329
SR18	0.291199	0.3576518	0.2738064	0.3341877	0.4031606	0.04031606	40.31606
SR19	0.3139706	0.3588012	0.2952188	0.3560804	0.430064	0.0430064	43.0064
SR20	0.3859889	0.4244615	0.3405029	0.4244615	0.5125751	0.05125751	51.25751
SR21	0.4650796	0.4973465	0.4091592	0.4973465	0.6005605	0.06005605	60.05605
SR22	0.83689	0.8320416	0.7369376	0.83689	1.004854	0.1004854	100.4854
SR23	1.3355615	1.2871106	1.176055	1.3355615	1.554432	0.1554432	155.4432
SR24	0.4308553	0.5366421	0.535023	0.6221399	0.5476704	0.06221399	62.21399
SR25	0.5500746	0.5921138	0.6417044	0.7610729	0.7889237	0.07889237	78.89237
SR26	0.7782403	0.8849139	0.8455532	1.035834	1.1203862	0.11203862	112.03862
SR27	0.9587343	1.0899044	1.0533876	1.3186973	1.2545865	0.13186973	131.86973
SR28	1.2258176	1.1869074	1.0794171	1.2258176	1.4334176	0.14334176	143.34176
SR29	0.9299574	1.0570172	1.1060768	1.3887031	1.2166498	0.13887031	138.87031
SR30	1.3704733	1.3204559	1.2067972	1.3704733	1.5947031	0.15947031	159.47031
SR31	0.8848745	1.0358925	1.1295661	1.4187435	1.1882406	0.14187435	141.87435
SR32	0.791541	0.8464031	0.9229664	1.126875	0.9936087	0.1126875	112.6875
SR33	0.7727913	0.8217531	0.9018818	1.088272	0.9690717	0.1088272	108.8272
SR34	0.7734148	0.8422461	0.9104779	1.0800389	0.9683428	0.10800389	108.00389
SR35	0.8719029	1.0089672	1.0372031	1.2441837	1.12737	0.12441837	124.41837
SR36	0.8661894	1.0232522	1.0437872	1.2239417	1.1495268	0.12239417	122.39417
SR37	0.8923292	1.0689471	1.095695	1.2637568	1.2174374	0.12637568	126.37568
SR38	0.8982877	1.08682	1.1180006	1.2666917	1.2485826	0.12666917	126.66917
SR39	0.8926662	1.0790685	1.1095613	1.2569035	1.2376537	0.12569035	125.69035
SR40	0.8990275	1.092365	1.1254699	1.2638949	1.2600459	0.12638949	126.38949
SR41	0.9254759	1.1166004	1.1573542	1.2558903	1.3099898	0.13099898	130.99898
SR42	0.7570711	0.9123708	0.9345914	1.0447551	1.0069323	0.10447551	104.47551
SR43	0.6811187	0.8161696	0.8325319	0.9344333	0.8712152	0.09344333	93.44333
SR44	0.9055998	1.081153	1.1260962	1.1889802	1.2795175	0.12795175	127.95175
SR45	0.871821	1.0408069	1.0848563	1.1370002	1.2283903	0.12283903	122.83903
SR46	0.969543	1.1322806	1.1871907	1.2190245	1.3786258	0.13786258	137.86258
SR47	1.0066887	1.1658083	1.2251191	1.2457925	1.4361231	0.14361231	143.61231
SR48	0.8971046	1.054008	1.1042591	1.1159697	1.2686025	0.12686025	126.86025
SR49	0.8696271	1.0164232	1.0672588	0.9886753	1.2283829	0.12283829	122.83829
SR50	0.9961492	1.1259727	1.1926076	1.0536449	1.4274018	0.14274018	142.74018
SR51	0.9574437	1.0411332	1.1209198	0.9574437	1.3798808	0.13798808	137.98808
SR52	0.9303606	1.001991	1.0822753	0.9303606	1.3434726	0.13434726	134.34726
SR53	0.9533965	1.0094414	1.0944432	0.9533965	1.3874884	0.13874884	138.74884
SR54	0.8336886	0.9021602	0.9728292	0.8288571	1.1870984	0.11870984	118.70984
SR55	0.7621005	0.7911876	0.8106186	0.714027	0.900361	0.0900361	90.0361
SR56	0.7287822	0.7011721	0.6497199	0.5994953	0.7084365	0.07287822	72.87822
SR57	0.5940159	0.5117652	0.5323893	0.6676322	0.5246472	0.06676322	66.76322
SR58	0.907362	0.914799	0.7287386	0.9101468	1.0271294	0.10271294	102.71294
SR59	1.0770397	0.9575406	0.899394	1.2336148	1.3133516	0.13133516	131.33516
SR60	1.0375407	0.940199	0.894874	1.2274146	1.2895668	0.12895668	128.95668
SR61	0.9491929	1.0780181	0.9719713	1.3331498	1.2410219	0.13331498	133.31498
SR62	1.3490099	1.0097113	0.9210801	1.0097113	0.9458364	0.13490099	134.90099
SR63	1.5701743	1.0319072	0.9413438	1.044403	1.10826	0.15701743	157.01743
SR64	1.1795037	0.9910915	0.9910915	1.0806242	0.9898577	0.11795037	117.95037
SR65	1.2152637	0.8010533	0.7248309	0.8083843	0.8521873	0.12152637	121.52637
SR66	1.1704711	0.7958381	0.7259944	0.7958381	0.8183738	0.11704711	117.04711
SR67	0.9811728	0.7220883	0.6587074	0.7220883	0.6830388	0.09811728	98.11728
SR68	0.797285	0.6204676	0.5718415	0.6204676	0.553109	0.0797285	79.7285
SR69	0.5563023	0.4565072	0.5004345	0.5004345	0.4901421	0.05563023	55.63023
SR70	0.2923581	0.3404092	0.2745084	0.2950701	0.3189043	0.03404092	34.04092
SR71	0.3955426	0.4075391	0.3251216	0.4520069	0.465774	0.0465774	46.5774
SR72	0.2599054	0.2490871	0.2185137	0.2666744	0.261539	0.02666744	26.66744
SR73	0.310705	0.2678699	0.2489539	0.2911415	0.3453965	0.03453965	34.53965
SR74	0.2604403	0.2324502	0.2120711	0.2371637	0.2604403	0.02604403	26.04403
CR1	0.4964747	0.3930719	0.3847862	0.3962572	0.4095369	0.04964747	49.64747
CR2	0.4189408	0.2944724	0.3299266	0.3375182	0.2693371	0.04189408	41.89408
					Maximum :	**159.470**	**SR30**

2041 - Future Build

	First Highest 24-Hour Average (ppm)						
	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						ppm	ppb
SR1	0.082514504	0.093871179	0.084142692	0.119219542	0.088819042	0.119219542	11.92195417
SR2	0.088833238	0.094715146	0.090866513	0.120382558	0.090216763	0.120382558	12.03825583
SR3	0.0866363	0.092108642	0.085581958	0.115046871	0.093939133	0.115046871	11.50468708
SR4	0.106442229	0.118101571	0.098368313	0.136087792	0.121625363	0.136087792	13.60877917
SR5	0.109406471	0.130736258	0.104164604	0.147239342	0.131768167	0.147239342	14.72393417
SR6	0.095697446	0.127240125	0.109940079	0.153351025	0.125060546	0.153351025	15.3351025
SR7	0.137960154	0.182297642	0.140138279	0.200228863	0.173778233	0.200228863	20.02288625
SR8	0.106056683	0.131636733	0.124982096	0.166800892	0.136552158	0.166800892	16.68008917
SR9	0.167518483	0.172361363	0.177001167	0.200071458	0.239618938	0.239618938	23.96189375
SR10	0.184212821	0.192121271	0.2266619	0.214403554	0.253416783	0.253416783	25.34167833
SR11	0.167554013	0.173918642	0.215267404	0.185393846	0.207947496	0.215267404	21.52674042
SR12	0.191813908	0.198669271	0.230941696	0.206119213	0.228414029	0.230941696	23.09416958
SR13	0.185467658	0.186126442	0.217322463	0.201399938	0.220424158	0.220424158	22.04241583
SR14	0.100008263	0.135081383	0.109489413	0.112542488	0.125623954	0.135081383	13.50813833
SR15	0.085458521	0.113313592	0.095254088	0.094532825	0.111952413	0.113313592	11.33135917
SR16	0.075671325	0.101371179	0.085505633	0.080827433	0.099079325	0.101371179	10.13711792
SR17	0.067260479	0.09032135	0.076408546	0.071884617	0.088841	0.09032135	9.032135
SR18	0.057996417	0.078510029	0.064264446	0.062935992	0.078751413	0.078751413	7.87514125
SR19	0.074735471	0.085158117	0.073723321	0.071435346	0.072158083	0.085158117	8.515811667
SR20	0.082246538	0.098528021	0.083517854	0.081548496	0.084992158	0.098528021	9.852802083
SR21	0.090535575	0.111150171	0.090109154	0.088878592	0.09720315	0.111150171	11.11501708
SR22	0.118570892	0.160830054	0.132160671	0.135360996	0.149471913	0.160830054	16.08300542
SR23	0.197806404	0.264011038	0.220149383	0.225623513	0.235318525	0.264011038	26.40110375
SR24	0.084027283	0.083423946	0.09081785	0.106952883	0.115921475	0.115921475	11.5921475
SR25	0.110672508	0.109802896	0.131373133	0.133910446	0.142087004	0.142087004	14.20870042
SR26	0.15146345	0.154493546	0.175028321	0.182129704	0.187590204	0.187590204	18.75902042
SR27	0.194063267	0.200285746	0.200576425	0.232935588	0.233406804	0.233406804	23.34068042
SR28	0.179259663	0.239389129	0.199520804	0.20514445	0.215861346	0.239389129	23.93891292
SR29	0.206383054	0.212346583	0.204572525	0.246491583	0.249850117	0.249850117	24.98501167
SR30	0.204284725	0.269433204	0.226705079	0.232171588	0.241468863	0.269433204	26.94332042
SR31	0.211181263	0.217819529	0.208083604	0.252961163	0.259570388	0.259570388	25.95703875
SR32	0.166596129	0.172629558	0.177893288	0.203901171	0.218666146	0.218666146	21.86661458
SR33	0.161603433	0.1671667	0.174235158	0.198050413	0.213166079	0.213166079	21.31660792
SR34	0.161519758	0.166903671	0.177360063	0.198170708	0.2144043	0.2144043	21.44043
SR35	0.18643855	0.194014858	0.211953008	0.228170275	0.249025117	0.249025117	24.90251167
SR36	0.185259975	0.192194558	0.214062075	0.226700425	0.248171242	0.248171242	24.81712417
SR37	0.192283713	0.199439346	0.224483492	0.234868371	0.257553867	0.257553867	25.75538667
SR38	0.194122217	0.200977733	0.228547421	0.236941458	0.260119133	0.260119133	26.01191333
SR39	0.192616929	0.199393546	0.226766188	0.235194263	0.258229658	0.258229658	25.82296583
SR40	0.194447642	0.2011058	0.229869467	0.237281404	0.260656875	0.260656875	26.0656875
SR41	0.196676071	0.202497046	0.235889292	0.239709288	0.263906708	0.263906708	26.39067083
SR42	0.157847721	0.161334196	0.187174338	0.194448317	0.213737063	0.213737063	21.37370625
SR43	0.139905938	0.141303288	0.164724888	0.171985208	0.190097371	0.190097371	19.00973708
SR44	0.18696705	0.191978675	0.228198683	0.228307108	0.252274908	0.252274908	25.22749083
SR45	0.178044438	0.183175808	0.2187712	0.218009083	0.240936008	0.240936008	24.09360083
SR46	0.195178321	0.200497458	0.241730908	0.237786313	0.26347165	0.26347165	26.347165
SR47	0.201476575	0.206678363	0.250171333	0.245069546	0.271575825	0.271575825	27.1575825
SR48	0.178638654	0.18458965	0.223115075	0.21861095	0.242674742	0.242674742	24.26747417
SR49	0.168172713	0.176163946	0.215053813	0.204622271	0.230347033	0.230347033	23.03470333
SR50	0.166724833	0.179907496	0.238810725	0.205139804	0.232109329	0.238810725	23.8810725
SR51	0.1578346	0.168958817	0.223203104	0.1990839	0.217998329	0.223203104	22.32031042
SR52	0.15373045	0.164243054	0.216922008	0.196709767	0.211490058	0.216922008	21.69220083
SR53	0.160559021	0.170241304	0.223585408	0.20490775	0.219087	0.223585408	22.35854083
SR54	0.135164783	0.146086158	0.193765858	0.176614796	0.187522996	0.193765858	19.37658583
SR55	0.105921154	0.118655458	0.15345025	0.134669308	0.147552092	0.15345025	15.345025
SR56	0.084967475	0.105268783	0.118883633	0.092607196	0.106938471	0.118883633	11.88836333
SR57	0.065849117	0.078042383	0.082232229	0.072053375	0.073337567	0.082232229	8.223222917
SR58	0.092855608	0.121217029	0.087081325	0.090091233	0.085376204	0.121217029	12.12170292
SR59	0.100926179	0.104986983	0.091337558	0.084317629	0.095148846	0.104986983	10.49869833
SR60	0.097297975	0.095824	0.088689788	0.0800634	0.091228733	0.097297975	9.7297975
SR61	0.096371696	0.086515029	0.108234917	0.079995404	0.083506792	0.108234917	10.82349167
SR62	0.139348575	0.116503346	0.121853971	0.112615883	0.113057283	0.139348575	13.9348575
SR63	0.171773017	0.133729863	0.120466075	0.132149071	0.120110792	0.171773017	17.17730167

2041 - Future Build

SR64	0.185514108	0.137547171	0.105884654	0.126113229	0.117927379	0.185514108	18.55141083
SR65	0.139729063	0.115207013	0.101643713	0.110928521	0.104386129	0.139729063	13.97290625
SR66	0.112691592	0.113372338	0.104254033	0.104744821	0.105000888	0.113372338	11.33723375
SR67	0.088649146	0.101404058	0.098248175	0.096291858	0.099003654	0.101404058	10.14040583
SR68	0.092155854	0.093557283	0.093315125	0.090174063	0.095046742	0.095046742	9.504674167
SR69	0.085948096	0.082466504	0.099280338	0.086408096	0.0977655	0.099280338	9.92803375
SR70	0.037506142	0.047014675	0.050923388	0.041070342	0.045574654	0.050923388	5.09233875
SR71	0.057748171	0.063647033	0.067496296	0.054563442	0.051849667	0.067496296	6.749629583
SR72	0.031883104	0.044584179	0.031519058	0.027166108	0.043648192	0.044584179	4.458417917
SR73	0.028437358	0.031453017	0.031929354	0.026517913	0.028688425	0.031929354	3.192935417
SR74	0.034748204	0.040744596	0.0310937	0.029951871	0.03223325	0.040744596	4.074459583
CR1	0.080895588	0.079974838	0.070479833	0.076574367	0.068239354	0.080895588	8.08955875
CR2	0.064329467	0.052473396	0.047803483	0.05595275	0.044430404	0.064329467	6.432946667

Maximum : 27.158 SR47

First Highest Annual Average (ppm)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	ppb
SR1	0.01417390	0.01381980	0.01530220	0.01442200	0.01344710	0.0153022	1.53022
SR2	0.01685670	0.01598890	0.01746580	0.01758140	0.01608420	0.0175814	1.75814
SR3	0.01745570	0.01649750	0.01764800	0.01831780	0.01719720	0.0183178	1.83178
SR4	0.02827330	0.02657720	0.02798460	0.02936110	0.02780800	0.0293611	2.93611
SR5	0.03085110	0.02910010	0.03056510	0.03218450	0.03039420	0.0321845	3.21845
SR6	0.02774770	0.02622770	0.02756030	0.02881150	0.02739290	0.0288115	2.88115
SR7	0.04071210	0.03870100	0.04071050	0.04261890	0.04025630	0.0426189	4.26189
SR8	0.03202380	0.03024820	0.03166510	0.03306450	0.03156210	0.0330645	3.30645
SR9	0.06070430	0.05776430	0.06014130	0.06324040	0.06025300	0.0632404	6.32404
SR10	0.06589580	0.06308060	0.06642900	0.06916820	0.06616980	0.0691682	6.91682
SR11	0.05811690	0.05592960	0.05867700	0.06097840	0.05860980	0.0609784	6.09784
SR12	0.06594730	0.06363360	0.06620060	0.06903970	0.06634040	0.0690397	6.90397
SR13	0.06266730	0.06064400	0.06296870	0.06567560	0.06298020	0.0656756	6.56756
SR14	0.02744310	0.02974580	0.02767220	0.02955940	0.02878950	0.0297458	2.97458
SR15	0.02343290	0.02530400	0.02358000	0.02511030	0.02441650	0.025304	2.5304
SR16	0.02064040	0.02234040	0.02076260	0.02212660	0.02153350	0.0223404	2.23404
SR17	0.01831160	0.01986570	0.01843230	0.01965910	0.01913040	0.0198657	1.98657
SR18	0.01527060	0.01670120	0.01542480	0.01643240	0.01600540	0.0167012	1.67012
SR19	0.02320970	0.02445490	0.02315190	0.02514900	0.02449590	0.025149	2.5149
SR20	0.02742380	0.02872850	0.02724370	0.02971840	0.02887770	0.0297184	2.97184
SR21	0.03033700	0.03181090	0.03010330	0.03281210	0.03183200	0.0328121	3.28121
SR22	0.03375690	0.03661280	0.03394300	0.03608260	0.03542510	0.0366128	3.66128
SR23	0.05834770	0.06332050	0.05876450	0.06181750	0.06111840	0.0633205	6.33205
SR24	0.02857590	0.02732740	0.02880910	0.03024700	0.02876080	0.030247	3.0247
SR25	0.03631520	0.03486570	0.03683280	0.03842910	0.03669240	0.0384291	3.84291
SR26	0.05140180	0.04969060	0.05175210	0.05394530	0.05174770	0.0539453	5.39453
SR27	0.06611740	0.06398000	0.06611190	0.06909740	0.06604660	0.0690974	6.90974
SR28	0.05293790	0.05734110	0.05313790	0.05604820	0.05556380	0.0573411	5.73411
SR29	0.07112290	0.06860050	0.07084690	0.07412110	0.07102290	0.0741211	7.41211
SR30	0.06119030	0.06618780	0.06136570	0.06459850	0.06413950	0.0661878	6.61878
SR31	0.07373290	0.07107950	0.07326840	0.07677190	0.07348360	0.0767719	7.67719
SR32	0.05839460	0.05603120	0.05828220	0.06114110	0.05828060	0.0611411	6.11411
SR33	0.05654390	0.05423310	0.05647260	0.05924850	0.05646910	0.0592485	5.92485
SR34	0.05663220	0.05431520	0.05662180	0.05939150	0.05659200	0.0593915	5.93915
SR35	0.06664270	0.06406110	0.06667980	0.06988310	0.06660590	0.0698831	6.98831
SR36	0.06618200	0.06361480	0.06629030	0.06945000	0.06619320	0.06945	6.945
SR37	0.06891290	0.06628780	0.06905350	0.07232860	0.06895700	0.0723286	7.23286
SR38	0.06959320	0.06695480	0.06977090	0.07306400	0.06966530	0.073064	7.3064
SR39	0.06901810	0.06639260	0.06919520	0.07246290	0.06908810	0.0724629	7.24629
SR40	0.06970220	0.06706220	0.06989790	0.07319020	0.06978780	0.0731902	7.31902
SR41	0.07048490	0.06782980	0.07074670	0.07404890	0.07062260	0.0740489	7.40489
SR42	0.05546460	0.05318270	0.05569850	0.05835220	0.05560640	0.0583522	5.83522
SR43	0.04825820	0.04617410	0.04849980	0.05084850	0.04843360	0.0508485	5.08485
SR44	0.06663180	0.06406320	0.06696810	0.07006950	0.06682960	0.0700695	7.00695
SR45	0.06312160	0.06063660	0.06348560	0.06641830	0.06335340	0.0664183	6.64183
SR46	0.06970090	0.06705830	0.07009630	0.07330790	0.06996640	0.0733079	7.33079
SR47	0.07207910	0.06937710	0.07249190	0.07579430	0.07236230	0.0757943	7.57943
SR48	0.06333660	0.06084340	0.06374670	0.06666660	0.06363610	0.0666666	6.66666

2041 - Future Build

SR49	0.05968620	0.05727390	0.06007990	0.06283190	0.06003700	0.0628319	6.28319
SR50	0.06072010	0.05852100	0.06134810	0.06406070	0.06125520	0.0640607	6.40607
SR51	0.05664510	0.05453660	0.05734600	0.05968920	0.05717770	0.0596892	5.96892
SR52	0.05512190	0.05301320	0.05578230	0.05800550	0.05560740	0.0580055	5.80055
SR53	0.05753160	0.05532260	0.05816950	0.06042680	0.05797870	0.0604268	6.04268
SR54	0.04869220	0.04671320	0.04924310	0.05110470	0.04910180	0.0511047	5.11047
SR55	0.03781490	0.03618430	0.03818940	0.03966910	0.03813570	0.0396691	3.96691
SR56	0.02934720	0.02791980	0.02943490	0.03050120	0.02941830	0.0305012	3.05012
SR57	0.02116930	0.01987130	0.02113500	0.02188470	0.02108980	0.0218847	2.18847
SR58	0.02593380	0.02529290	0.02533970	0.02700090	0.02664120	0.0270009	2.70009
SR59	0.02222560	0.02163590	0.02178920	0.02337460	0.02278240	0.0233746	2.33746
SR60	0.02074960	0.02017710	0.02036680	0.02186890	0.02127980	0.0218689	2.18689
SR61	0.01946390	0.01896800	0.01954580	0.02079550	0.02019490	0.0207955	2.07955
SR62	0.02729760	0.03029820	0.02857210	0.02952120	0.02805230	0.0302982	3.02982
SR63	0.03053390	0.03388850	0.03151350	0.03273710	0.03137050	0.0338885	3.38885
SR64	0.03277800	0.03628400	0.03348630	0.03482320	0.03337570	0.036284	3.6284
SR65	0.02813880	0.03091710	0.02899060	0.02994100	0.02871780	0.0309171	3.09171
SR66	0.02660150	0.02902450	0.02728770	0.02818200	0.02710710	0.0290245	2.90245
SR67	0.02581680	0.02794720	0.02663280	0.02759060	0.02661760	0.0279472	2.79472
SR68	0.02523580	0.02698570	0.02588080	0.02724440	0.02611680	0.0272444	2.72444
SR69	0.02519270	0.02693220	0.02576030	0.02709040	0.02605470	0.0270904	2.70904
SR70	0.01428320	0.01386400	0.01413740	0.01483080	0.01450440	0.0148308	1.48308
SR71	0.01644380	0.01641450	0.01659980	0.01724270	0.01681290	0.0172427	1.72427
SR72	0.00889100	0.00961370	0.00885540	0.00924500	0.00916220	0.0096137	0.96137
SR73	0.00784520	0.00755680	0.00766110	0.00831890	0.00787120	0.0083189	0.83189
SR74	0.00887270	0.00952840	0.00903370	0.00967820	0.00948160	0.0096782	0.96782
CR1	0.02209530	0.02309000	0.02190140	0.02385940	0.02291620	0.0238594	2.38594
CR2	0.01249980	0.01346960	0.01264610	0.01345070	0.01293000	0.0134696	1.34696

Maximum : **7.677** **SR31**

Particulate Matter (PM_{10})

Conversion Factor: 10

First Highest 24-Hour Average ($\mu g/m^3$)*(10^1)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ($\mu g/m^3$)	
SR1	23.45001611	25.13518253	22.48316612	29.69404777	24.19349229	2.969404777	SR1
SR2	23.44722167	25.42601378	24.90400267	30.0226681	24.97868052	3.00226681	SR2
SR3	22.74768613	24.84705634	23.31082163	28.47114646	25.42151999	2.847114646	SR3
SR4	28.49842551	32.144053	27.23171022	34.56374908	32.13747368	3.456374908	SR4
SR5	29.41803843	35.792263	28.99761975	37.75412593	34.87009506	3.775412593	SR5
SR6	25.57604105	35.29084801	30.4508923	39.48584637	32.76808753	3.948584637	SR6
SR7	37.81760476	50.96065834	40.2241483	53.02172713	46.68138588	5.302172713	SR7
SR8	29.47601537	36.96488403	35.0424749	43.83522457	36.15398796	4.383522457	SR8
SR9	47.153084	49.67876146	48.4324802	56.25574645	65.79426623	6.579426623	SR9
SR10	52.20218394	55.37779444	58.3442395	61.41735315	70.26725365	7.026725365	SR10
SR11	49.58014838	52.572542	54.313658	59.46118562	62.14208198	6.214208198	SR11
SR12	63.1034121	65.51407138	59.19265121	69.14341692	75.49883333	7.549883333	SR12
SR13	73.6889829	71.15758603	63.28250815	73.87408448	80.34614682	8.034614682	SR13
SR14	55.71567595	52.87278519	52.74039357	51.36846193	56.64610243	5.664610243	SR14
SR15	42.25896839	43.2600519	43.6670448	39.56631852	49.87188534	4.987188534	SR15
SR16	35.71016105	38.09976724	38.90195953	35.35814286	45.53743421	4.553743421	SR16
SR17	32.43958362	35.48871055	36.89627461	33.37620398	43.92401775	4.392401775	SR17
SR18	28.03819235	30.72034794	31.61529048	28.64840587	38.55936086	3.855936086	SR18
SR19	55.55697779	50.17744208	47.36983268	51.12704592	48.68321957	5.555697779	SR19
SR20	66.14452043	59.49073866	57.37071085	61.85300442	62.55659496	6.614452043	SR20
SR21	70.10829047	65.17492677	61.74753691	67.35038678	69.4524652	7.010829047	SR21
SR22	48.24667112	49.81068579	42.94054918	39.99432309	44.6936883	4.981068579	SR22
SR23	60.78542481	71.55583708	58.72049246	56.45706095	65.17830265	7.155583708	SR23
SR24	41.17942362	47.34196338	40.07196388	46.22718052	42.4377596	4.734196338	SR24
SR25	43.94740749	49.73712823	49.06397057	43.24695928	48.52988593	4.973712823	SR25
SR26	53.25808295	61.5302887	60.01433134	55.0216504	60.8972869	6.15302887	SR26
SR27	61.6558973	67.45621773	65.63581588	62.70951903	72.32128843	7.232128843	SR27
SR28	52.73173174	63.60823361	52.6760393	50.0737377	58.22148708	6.360823361	SR28
SR29	61.92887517	64.88550388	62.99073668	65.37232056	74.04660113	7.404660113	SR29

2041 - Future Build

SR30	58.49554745	71.44466003	60.36179347	57.30047533	64.15676842	7.144466003	SR30
SR31	61.77624723	64.20032788	61.56847397	67.25660019	75.12690893	7.512690893	SR31
SR32	45.7060211	47.47613085	45.72252815	53.3228584	59.16956393	5.916956393	SR32
SR33	44.20794806	45.8998232	44.23628965	51.6831168	57.38080891	5.738080891	SR33
SR34	44.12933388	45.8073112	44.35723366	51.78109577	57.4746468	5.74746468	SR34
SR35	51.38067583	53.49868167	53.00253879	60.4484791	67.3624471	6.73624471	SR35
SR36	50.98544418	53.12130269	52.91605887	60.1195393	66.93961605	6.693961605	SR36
SR37	53.01907337	55.1874227	55.43047158	62.52076032	69.61828891	6.961828891	SR37
SR38	58.25438655	60.20636115	61.133159	68.50611408	76.02207978	7.602207978	SR38
SR39	57.32818528	59.32981893	60.25760451	67.49371964	74.92156155	7.492156155	SR39
SR40	53.61261918	55.78497128	56.38708728	63.3110491	70.41425053	7.041425053	SR40
SR41	54.21885062	56.39463793	57.40703705	64.1743508	71.27555386	7.127555386	SR41
SR42	42.8925974	44.75090111	44.41496599	51.21751938	56.60038082	5.660038082	SR42
SR43	37.66002078	38.84919283	38.21888549	45.00246953	49.7037665	4.97037665	SR43
SR44	51.3232176	53.58233947	54.57271303	61.20743049	67.77253779	6.777253779	SR44
SR45	48.69948117	50.95864159	51.74365763	58.43434435	64.42733757	6.442733757	SR45
SR46	53.6725472	55.99126097	57.65148542	64.27469347	71.02344918	7.102344918	SR46
SR47	55.49922445	57.7838835	59.78930014	66.47242574	73.39934086	7.339934086	SR47
SR48	48.84576217	51.2933463	52.3897386	58.9896349	64.90931575	6.490931575	SR48
SR49	45.83920105	48.76915278	49.82285981	55.58987365	61.30050675	6.130050675	SR49
SR50	45.06211409	48.26629729	55.49024744	56.37008053	61.42003712	6.142003712	SR50
SR51	42.75226185	45.25162365	50.95943597	55.20295895	57.3749702	5.73749702	SR51
SR52	41.67150354	44.1826879	49.22593737	54.74058715	55.56072649	5.556072649	SR52
SR53	43.6940057	46.74464927	50.91803341	57.25834077	57.82112455	5.782112455	SR53
SR54	37.91429569	41.60446908	43.11388493	49.4313926	48.9010257	4.94313926	SR54
SR55	30.12684164	34.8629706	32.97694826	37.96771882	37.78803313	3.796771882	SR55
SR56	23.52121347	30.91387282	24.95718022	26.7152292	27.09259736	3.091387282	SR56
SR57	20.22360259	22.95997911	18.36464532	17.34936842	21.25500538	2.295997911	SR57
SR58	24.37383213	26.43168916	21.455839	23.30528417	22.49602529	2.643168916	SR58
SR59	22.83373444	22.8515269	21.50915437	20.5768172	21.68232683	2.28515269	SR59
SR60	22.6815012	22.00178451	20.66227393	19.76732153	20.58587517	2.26815012	SR60
SR61	21.9236995	21.89606395	23.1048878	20.06126978	19.06526109	2.31048878	SR61
SR62	90.52579343	99.09487669	95.50392811	87.90875584	100.7330785	10.07330785	SR62
SR63	102.9769738	114.6888851	109.4776535	102.980229	115.8024731	11.58024731	SR63
SR64	119.1083641	129.0829574	126.9828649	120.0299001	136.5632619	13.65632619	SR64
SR65	120.2331169	126.8314039	138.9777558	125.4260063	148.8611254	14.88611254	SR65
SR66	124.4531867	139.1004868	146.6067658	130.3583563	161.4179429	16.14179429	SR66
SR67	106.3205402	117.7748166	144.2244432	116.9057535	172.4999129	17.24999129	SR67
SR68	134.4363106	111.373479	118.23035	116.8066951	144.0315558	14.40315558	SR68
SR69	109.7236889	120.6672098	123.5292258	108.0388747	150.3954063	15.03954063	SR69
SR70	19.75104478	19.94801915	16.36359872	18.29027128	20.1865595	2.01865595	SR70
SR71	23.08650514	21.74523376	26.59077945	22.48083121	29.13727325	2.913727325	SR71
SR72	32.74621387	37.08371481	42.58283494	37.10642047	45.64715563	4.564715563	SR72
SR73	17.88198927	20.06591524	20.29576092	17.32753708	20.43582368	2.043582368	SR73
SR74	43.89613211	43.59937519	37.50256665	39.9681347	34.15291857	4.389613211	SR74
CR1	84.58699231	79.13239527	75.19131358	86.96728274	76.439014	8.696728274	CR1
CR2	51.93466128	49.09093392	43.73412428	52.18563992	41.3752266	5.218563992	CR2

Maximum : **17.250** **SR67**

Fine Particulate Matter ($PM_{2.5}$)

Conversion Factor: 10

	First Highest 24-Hour Average ($\mu g/m^3$)*(10^1)						
	2018	**2019**	**2020**	**2021**	**2022**	**5-year Maximum**	
Receptor ID						**($\mu g/m^3$)**	
SR1	6.208658	7.274049	6.325548	8.909061	6.660416	0.8909061	SR1
SR2	6.618012	7.350449	6.875652	9.008029	6.87728	0.9008029	SR2
SR3	6.448026	7.178361	6.485456	8.630192	7.025697	0.8630192	SR3
SR4	7.94919	9.162624	7.463271	10.22923	9.107452	1.0229230	SR4
SR5	8.181202	10.13519	7.908854	11.08239	9.870304	1.1082390	SR5
SR6	7.170367	9.951121	8.374136	11.61423	9.381455	1.1614230	SR6
SR7	10.36116	14.11301	10.79188	15.13214	13.04911	1.5132140	SR7
SR8	8.114481	10.36704	9.562082	12.72906	10.27462	1.2729060	SR8
SR9	12.55593	13.21224	13.13073	15.81437	18.15135	1.8151350	SR9

2041 - Future Build

SR10	13.95306	14.68327	16.56999	17.11334	19.2588	1.9258800	SR10
SR11	13.26938	13.76058	15.66801	16.30734	16.83394	1.6833940	SR11
SR12	16.56661	16.80983	16.87608	18.62892	20.00309	2.0003090	SR12
SR13	18.89389	17.68521	16.43035	19.564	20.96178	2.0961780	SR13
SR14	13.43945	14.12798	12.92288	12.87597	14.12558	1.4127980	SR14
SR15	10.35449	11.58506	11.07224	9.952063	12.40991	1.2409910	SR15
SR16	8.810133	10.24629	9.862506	8.656229	11.38089	1.1380890	SR16
SR17	8.006096	9.464353	9.267163	8.153777	10.91711	1.0917110	SR17
SR18	6.976269	8.235033	7.956986	7.054652	9.659539	0.9659539	SR18
SR19	12.74956	12.03286	11.15536	12.16709	11.44048	1.2749560	SR19
SR20	15.14701	14.17795	13.36046	14.56137	14.43729	1.5147010	SR20
SR21	16.38143	15.54375	14.35261	15.83432	16.01594	1.6381430	SR21
SR22	12.02921	12.92458	10.80551	10.17695	12.18997	1.2924580	SR22
SR23	15.37703	19.86606	16.03737	16.26309	17.60636	1.9866060	SR23
SR24	10.19525	11.5486	9.958355	12.31092	11.48621	1.2310920	SR24
SR25	11.17142	12.51663	13.53234	10.92883	13.12751	1.3532340	SR25
SR26	13.87724	15.46252	16.49787	14.11264	16.24801	1.6497870	SR26
SR27	16.17103	17.16568	18.01071	17.07532	19.20491	1.9204910	SR27
SR28	13.67473	17.82696	14.46636	14.66038	15.83429	1.7826960	SR28
SR29	16.34148	16.726	17.46797	18.05831	19.75917	1.9759170	SR29
SR30	15.45553	19.84148	16.46381	16.58763	17.34474	1.9841480	SR30
SR31	16.34628	16.6246	17.20322	18.54336	20.11187	2.0111870	SR31
SR32	12.34131	12.86908	13.41725	14.99186	16.3021	1.6302100	SR32
SR33	11.95998	12.47693	13.05245	14.57333	15.86174	1.5861740	SR33
SR34	11.93982	12.47653	13.14253	14.60508	15.90867	1.5908670	SR34
SR35	13.78468	14.49408	15.54383	16.83767	18.44431	1.8444310	SR35
SR36	13.68535	14.38658	15.58582	16.76114	18.35649	1.8356490	SR36
SR37	14.20323	14.93641	16.296	17.3803	19.04499	1.9044990	SR37
SR38	15.53472	16.28233	17.85568	18.91593	20.67279	2.0672790	SR38
SR39	15.29976	16.04916	17.63454	18.65951	20.39964	2.0399640	SR39
SR40	14.35588	15.08864	16.60839	17.59147	19.26339	1.9263390	SR40
SR41	14.51118	15.23787	16.95153	17.82428	19.50219	1.9502190	SR41
SR42	11.62174	12.16561	13.41397	14.49882	15.7742	1.5774200	SR42
SR43	10.27584	10.59988	11.73682	12.89971	14.02334	1.4023340	SR43
SR44	13.77074	14.43894	16.27534	17.08093	18.64431	1.8644310	SR44
SR45	13.09649	13.70517	15.54505	16.37464	17.80766	1.7807660	SR45
SR46	14.36177	15.03359	17.17905	17.87616	19.49157	1.9491570	SR46
SR47	14.8244	15.50546	17.77407	18.43987	20.09876	2.0098760	SR47
SR48	13.11929	13.6536	15.78684	16.51524	17.94551	1.7945510	SR48
SR49	12.32089	12.9225	15.1428	15.58481	17.00593	1.7005930	SR49
SR50	12.09966	12.87106	16.76992	15.69166	16.95398	1.6953980	SR50
SR51	11.48347	12.19041	15.56477	15.35009	15.84581	1.5845810	SR51
SR52	11.22794	11.98635	15.09307	15.20776	15.35284	1.5352840	SR52
SR53	11.7755	12.55772	15.55127	15.8332	15.90155	1.5901550	SR53
SR54	10.40894	11.25459	13.41442	13.76273	13.58663	1.3762730	SR54
SR55	8.420916	9.587731	10.56151	10.68432	10.67117	1.0684320	SR55
SR56	6.702211	8.666428	8.134092	7.516555	7.742502	0.8666428	SR56
SR57	5.77977	6.525512	5.613129	5.065759	5.993332	0.6525512	SR57
SR58	6.71142	8.278448	6.143175	6.439114	6.028531	0.8278448	SR58
SR59	6.837147	7.153708	6.372894	5.779297	6.472772	0.7153708	SR59
SR60	6.572219	6.515923	6.172515	5.569291	6.190362	0.6572219	SR60
SR61	6.496058	6.486533	7.39893	5.633666	5.655794	0.7398930	SR61
SR62	21.22275	23.86902	22.38009	21.02872	24.89007	2.4890070	SR62
SR63	23.90324	27.38738	25.42148	24.40484	28.17757	2.8177570	SR63
SR64	27.23011	30.38809	29.00594	28.0002	32.51753	3.2517530	SR64
SR65	27.35346	29.68508	31.55738	28.38511	33.32365	3.3323650	SR65
SR66	28.15714	32.28294	32.99564	28.87041	36.02475	3.6024750	SR66
SR67	23.4623	26.75022	31.91741	26.21235	38.33093	3.8330930	SR67
SR68	29.15686	24.19672	26.56541	25.54092	32.04576	3.2045760	SR68
SR69	23.82327	26.10786	27.22508	23.59295	32.84929	3.2849290	SR69
SR70	4.947715	5.254115	4.844878	4.952304	5.481637	0.5481637	SR70
SR71	6.220286	6.011192	7.418891	5.945178	7.717069	0.7717069	SR71
SR72	8.354374	9.746557	10.92547	9.471314	11.8542	1.1854200	SR72
SR73	4.896945	5.531886	5.524213	4.947437	5.469825	0.5531886	SR73
SR74	11.23658	11.52397	9.657883	10.54035	8.807358	1.1523970	SR74
CR1	18.86826	17.70211	16.79305	19.57162	17.01612	1.9571620	CR1
CR2	11.98149	11.35857	10.02285	12.08106	9.475807	1.2081060	CR2

2041 - Future Build

Maximum : 3.833 SR67

First Highest Annual Average (µg/m^3)*(10^1)

Receptor ID	2017	2018	2019	2020	2021	5-year Maximum (µg/m^3)	
SR1	1.079096	1.052983	1.164005	1.094969	1.019946	0.1164005	SR1
SR2	1.282742	1.217743	1.328434	1.334581	1.220136	0.1334581	SR2
SR3	1.327746	1.256033	1.342133	1.389938	1.303969	0.1389938	SR3
SR4	2.147233	2.019403	2.125263	2.225589	2.107706	0.2225589	SR4
SR5	2.342622	2.210552	2.320986	2.43896	2.30364	0.2438960	SR5
SR6	2.108676	1.994658	2.095271	2.184921	2.077383	0.2184921	SR6
SR7	3.093445	2.941374	3.093354	3.231788	3.053589	0.3231788	SR7
SR8	2.435903	2.302537	2.410084	2.510278	2.39644	0.2510278	SR8
SR9	4.646892	4.423414	4.604066	4.829544	4.605344	0.4829544	SR9
SR10	5.060049	4.845461	5.098295	5.295816	5.071085	0.5295816	SR10
SR11	4.669141	4.496548	4.717223	4.848394	4.677784	0.4848394	SR11
SR12	5.546646	5.366103	5.577152	5.755267	5.543213	0.5755267	SR12
SR13	6.172895	5.951467	6.15508	6.434981	6.183955	0.6434981	SR13
SR14	3.729833	4.014065	3.80887	4.021007	3.845579	0.4021007	SR14
SR15	3.008816	3.195677	3.037382	3.213425	3.082215	0.3213425	SR15
SR16	2.59354	2.756955	2.612717	2.761691	2.659776	0.2761691	SR16
SR17	2.376891	2.53036	2.391444	2.521593	2.43381	0.2530360	SR17
SR18	1.927831	2.078011	1.94483	2.041752	1.981848	0.2078011	SR18
SR19	4.161895	4.232595	4.121534	4.513377	4.379916	0.4513377	SR19
SR20	5.07603	5.137879	5.007424	5.522348	5.331176	0.5522348	SR20
SR21	5.531206	5.61417	5.460083	6.026451	5.797443	0.6026451	SR21
SR22	3.760681	4.006651	3.783663	4.017955	3.943118	0.4017955	SR22
SR23	5.175052	5.563138	5.203228	5.4835	5.401229	0.5563138	SR23
SR24	3.540956	3.409724	3.500653	3.715234	3.529004	0.3715234	SR24
SR25	4.017808	3.88263	4.017952	4.259648	4.093467	0.4259648	SR25
SR26	5.073829	4.922335	5.073893	5.362763	5.154847	0.5362763	SR26
SR27	5.829843	5.652475	5.804729	6.102486	5.86644	0.6102486	SR27
SR28	4.470763	4.820136	4.485873	4.731112	4.682836	0.4820136	SR28
SR29	5.858219	5.66502	5.830743	6.10441	5.872519	0.6104410	SR29
SR30	4.94324	5.328243	4.958034	5.213854	5.174603	0.5328243	SR30
SR31	5.875404	5.678018	5.841764	6.114597	5.871278	0.6114597	SR31
SR32	4.40666	4.231144	4.400963	4.609348	4.399695	0.4609348	SR32
SR33	4.255597	4.084181	4.253141	4.454787	4.251161	0.4454787	SR33
SR34	4.246157	4.074253	4.247963	4.448422	4.243685	0.4448422	SR34
SR35	4.980442	4.788244	4.984628	5.216684	4.977295	0.5216684	SR35
SR36	4.936128	4.744879	4.945056	5.173451	4.935887	0.5173451	SR36
SR37	5.135724	4.93985	5.146567	5.383371	5.137507	0.5383371	SR37
SR38	5.630066	5.421417	5.643224	5.899447	5.632705	0.5899447	SR38
SR39	5.542604	5.336409	5.556606	5.80915	5.546279	0.5809150	SR39
SR40	5.188993	4.991743	5.203381	5.441212	5.193272	0.5441212	SR40
SR41	5.242036	5.043416	5.260745	5.498991	5.249567	0.5498991	SR41
SR42	4.124002	3.954476	4.141668	4.331779	4.132569	0.4331779	SR42
SR43	3.586072	3.432143	3.604447	3.77194	3.597267	0.3771940	SR43
SR44	4.951124	4.759483	4.974787	5.198021	4.962715	0.5198021	SR44
SR45	4.689367	4.504481	4.714856	4.925589	4.703516	0.4925589	SR45
SR46	5.178889	4.981827	5.205979	5.43741	5.195132	0.5437410	SR46
SR47	5.356055	5.154488	5.384123	5.622277	5.373466	0.5622277	SR47
SR48	4.706146	4.521089	4.734128	4.943858	4.724874	0.4943858	SR48
SR49	4.437869	4.25941	4.463093	4.660033	4.459011	0.4660033	SR49
SR50	4.491131	4.329007	4.531851	4.720891	4.52152	0.4720891	SR50
SR51	4.191544	4.03481	4.237946	4.394312	4.218378	0.4394312	SR51
SR52	4.082251	3.925064	4.125881	4.27161	4.104809	0.4271610	SR52
SR53	4.261904	4.096731	4.304199	4.450527	4.280959	0.4450527	SR53
SR54	3.614751	3.46676	3.651806	3.768182	3.631738	0.3768182	SR54
SR55	2.816424	2.694576	2.842089	2.930592	2.82841	0.2930592	SR55
SR56	2.196647	2.089697	2.203849	2.261259	2.192994	0.2261259	SR56
SR57	1.597471	1.49906	1.59761	1.631732	1.584117	0.1631732	SR57
SR58	2.123055	2.069075	2.093358	2.167295	2.149302	0.2167295	SR58
SR59	1.822868	1.776317	1.804735	1.878	1.841015	0.1878000	SR59
SR60	1.71879	1.676137	1.706586	1.773882	1.736247	0.1773882	SR60
SR61	1.605347	1.570173	1.624205	1.677355	1.639624	0.1677355	SR61

2041 - Future Build

SR62	4.574589	4.909326	4.662556	4.846735	4.692577	0.4909326	SR62
SR63	5.533266	5.952639	5.651014	5.842034	5.646573	0.5952639	SR63
SR64	6.640657	7.109608	6.763115	6.915064	6.720691	0.7109608	SR64
SR65	6.372851	6.779947	6.470461	6.610036	6.480779	0.6779947	SR65
SR66	6.347656	6.748408	6.309972	6.544505	6.446691	0.6748408	SR66
SR67	6.181608	6.584048	6.235477	6.562436	6.460324	0.6584048	SR67
SR68	6.04742	6.364336	6.077962	6.510294	6.309079	0.6510294	SR68
SR69	6.282246	6.639735	6.355976	6.758947	6.535448	0.6758947	SR69
SR70	1.649826	1.59555	1.63762	1.688834	1.649718	0.1688834	SR70
SR71	2.109759	2.08761	2.122926	2.195141	2.135735	0.2195141	SR71
SR72	2.607867	2.734439	2.614159	2.634412	2.601073	0.2734439	SR72
SR73	1.046193	0.969636	1.01958	1.178273	1.076236	0.1178273	SR73
SR74	3.155536	3.290403	3.232221	3.4379	3.350786	0.3437900	SR74
CR1	5.37072	5.467143	5.28863	5.817414	5.626818	0.5817414	CR1
CR2	2.649878	2.779074	2.682553	2.885696	2.812033	0.2885696	CR2

Maximum : **0.711** **SR64**

Acetaldehyde

Conversion Factor 1000
Molecular Weight 44.05

First Highest 24-Hour Average (ppm)*(10^3)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.087608	0.101599675	0.0903782	0.127779963	0.095922771	0.127779963	0.24225461
SR2	0.094698	0.10252955	0.0969607	0.129065	0.096304696	0.129065	0.24469088
SR3	0.092353	0.0997871	0.0913555	0.123502754	0.099972588	0.123502754	0.23414557
SR4	0.113337	0.127605071	0.1048934	0.145775104	0.130058663	0.145775104	0.27637112
SR5	0.116501	0.141103846	0.1110441	0.157629113	0.140945583	0.157629113	0.29884482
SR6	0.102017	0.137482938	0.1172329	0.164404275	0.133932071	0.164404275	0.31168967
SR7	0.146872	0.196117679	0.1492101	0.213880483	0.185755475	0.213880483	0.40549029
SR8	0.113205	0.14234315	0.1332515	0.178953792	0.146170238	0.178953792	0.33927371
SR9	0.177862	0.183914875	0.1870638	0.215697767	0.256177375	0.256177375	0.48567983
SR10	0.195771	0.203405333	0.2403331	0.231409213	0.270901129	0.270901129	0.51359420
SR11	0.179766	0.184414629	0.2285588	0.204014179	0.224909825	0.228558804	0.43331852
SR12	0.209209	0.211948288	0.2451733	0.227551517	0.250566538	0.250566538	0.47504240
SR13	0.209093	0.204475988	0.2321906	0.225250888	0.245690283	0.245690283	0.46579764
SR14	0.122349	0.162368679	0.1388241	0.137892313	0.154184933	0.162368679	0.30783044
SR15	0.100315	0.132303408	0.1151436	0.110840475	0.129944996	0.132303408	0.25083049
SR16	0.086922	0.117040638	0.1014576	0.094854954	0.116054508	0.117040638	0.22189421
SR17	0.076837	0.105049667	0.0916987	0.084836438	0.107220892	0.107220892	0.20327722
SR18	0.066184	0.091337267	0.0776801	0.074100875	0.095047304	0.095047304	0.18019764
SR19	0.092305	0.101271663	0.0942574	0.096312767	0.0876002	0.101271663	0.19199824
SR20	0.109772	0.117505217	0.1085377	0.112013354	0.106146667	0.117505217	0.22277500
SR21	0.123459	0.131960833	0.1176267	0.121661846	0.117084642	0.131960833	0.25018101
SR22	0.129545	0.174014804	0.1402863	0.144317988	0.158643138	0.174014804	0.32991001
SR23	0.208282	0.280507163	0.2311402	0.237979321	0.248261983	0.280507163	0.53180603
SR24	0.102264	0.114410742	0.1015861	0.137884213	0.137403163	0.137884213	0.26141099
SR25	0.127273	0.129324842	0.1568546	0.142966183	0.161854596	0.161854596	0.30685580
SR26	0.169052	0.167796904	0.1986438	0.193581146	0.205442471	0.205442471	0.38949289
SR27	0.210888	0.212450238	0.2224921	0.245793179	0.252238208	0.252238208	0.47821167
SR28	0.188525	0.254011988	0.2093876	0.216178896	0.227941933	0.254011988	0.48157453
SR29	0.220993	0.225142196	0.2233727	0.259935692	0.267752538	0.267752538	0.50762487
SR30	0.214550	0.284899004	0.2378110	0.244289154	0.25469475	0.284899004	0.54013240
SR31	0.224764	0.230911738	0.2253951	0.266741092	0.276878988	0.276878988	0.52492747
SR32	0.175743	0.183671471	0.1894379	0.215899663	0.232072279	0.232072279	0.43997963
SR33	0.170482	0.177972575	0.1853439	0.209863313	0.226252175	0.226252175	0.42894545
SR34	0.170346	0.177779021	0.1882610	0.210142058	0.227495683	0.227495683	0.43130298
SR35	0.196417	0.206328933	0.2242537	0.241634513	0.263782683	0.263782683	0.50009853
SR36	0.195147	0.204533758	0.2262246	0.240306846	0.262877092	0.262877092	0.49838165
SR37	0.202490	0.212210771	0.2370556	0.24894985	0.272725075	0.272725075	0.51705217
SR38	0.221289	0.231222883	0.2599494	0.270597438	0.295751279	0.295751279	0.56070694
SR39	0.218003	0.227822558	0.2570279	0.266884804	0.291964479	0.291964479	0.55352765
SR40	0.204728	0.214089308	0.2425482	0.251691242	0.276003308	0.276003308	0.52326729
SR41	0.207020	0.215756654	0.2486817	0.25457825	0.279493488	0.279493488	0.52988423
SR42	0.166299	0.171872421	0.1975590	0.207344529	0.226861063	0.226861063	0.43009982
SR43	0.147393	0.148966067	0.1738813	0.184203292	0.202110963	0.202110963	0.38317677

2041 - Future Build

SR44	0.196733	0.203524646	0.2403975	0.243293175	0.267458146	0.267458146	0.50706674
SR45	0.187295	0.192555483	0.2304258	0.232865763	0.255638413	0.255638413	0.48465803
SR46	0.205196	0.211075092	0.2544634	0.2538078	0.279358283	0.279358283	0.52962790
SR47	0.211753	0.217533004	0.2632921	0.261582042	0.287896921	0.287896921	0.54581607
SR48	0.187726	0.193581196	0.2348629	0.234054754	0.257519004	0.257519004	0.48822339
SR49	0.176468	0.184735342	0.2263099	0.219854696	0.244187167	0.244187167	0.46294792
SR50	0.173963	0.186890229	0.2508071	0.219685575	0.243403929	0.250807092	0.47549846
SR51	0.164162	0.175074679	0.2337272	0.213976267	0.2277025	0.233727225	0.44311719
SR52	0.160088	0.170109363	0.2269820	0.211614113	0.220697667	0.226982	0.43032910
SR53	0.167309	0.177317383	0.2336564	0.220127808	0.228354975	0.233656396	0.44298291
SR54	0.142947	0.155014529	0.2027220	0.190651463	0.195584813	0.202722008	0.38433523
SR55	0.115381	0.131744783	0.1609034	0.146832717	0.154165492	0.160903433	0.30505252
SR56	0.092020	0.118992825	0.1248494	0.101183346	0.111970133	0.124849396	0.23669863
SR57	0.076727	0.088315296	0.0865828	0.075706375	0.08108665	0.088315296	0.16743461
SR58	0.096599	0.125734429	0.0904707	0.093401525	0.088456433	0.125734429	0.23837654
SR59	0.104859	0.108607154	0.0949661	0.088051417	0.098387529	0.108607154	0.20590540
SR60	0.101100	0.099115654	0.0922352	0.083614225	0.094335133	0.101099983	0.19167275
SR61	0.100191	0.09390115	0.1130962	0.082540154	0.086338933	0.113096192	0.21441604
SR62	0.201981	0.239907138	0.2154234	0.202929671	0.235582263	0.239907138	0.45483352
SR63	0.236836	0.273298729	0.2434257	0.229471217	0.267158833	0.273298729	0.51813975
SR64	0.273878	0.293901071	0.2779342	0.255254054	0.301827692	0.301827692	0.57222705
SR65	0.249458	0.276668854	0.2917592	0.266411763	0.309745783	0.309745783	0.58723875
SR66	0.257771	0.292665167	0.3046430	0.281224463	0.333243646	0.333243646	0.63178771
SR67	0.259062	0.274979246	0.3267136	0.281422708	0.366499946	0.366499946	0.69483744
SR68	0.311009	0.296361346	0.3927692	0.344341088	0.439159667	0.439159667	0.83259107
SR69	0.269079	0.276311929	0.2954020	0.245649229	0.319229567	0.319229567	0.60521880
SR70	0.047023	0.057209838	0.0571383	0.047219171	0.049960033	0.057209838	0.10846260
SR71	0.064791	0.074126079	0.0735311	0.060732613	0.064136775	0.074126079	0.14053365
SR72	0.036279	0.050870471	0.0360451	0.033284088	0.04995205	0.050870471	0.09644396
SR73	0.033335	0.036038696	0.0420783	0.032098179	0.032271279	0.042078271	0.07977507
SR74	0.041351	0.048217563	0.0361748	0.0373944	0.037856121	0.048217563	0.09141439
CR1	0.189292	0.187233788	0.1668031	0.202258438	0.175762054	0.202258438	0.38345636
CR2	0.117686	0.122188875	0.1004422	0.119146267	0.094180454	0.122188875	0.23165462

Maximum : **0.833** **SR68**

First Highest 0.5-Hour Average (ppm) *(10^3)

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.63677977	0.79994547	0.82357734	1.05467384	0.94749613	1.054673839	1.99952792
SR2	0.66459358	0.80549507	0.82117069	1.07432570	0.95406954	1.074325705	2.03678537
SR3	0.70361404	0.73566332	0.76701225	1.02351590	0.90635520	1.023515898	1.94045641
SR4	0.79924670	0.99742516	1.03495082	1.31744698	1.18112119	1.317446982	2.49771249
SR5	0.86420017	1.09653090	1.14114965	1.43531495	1.29835037	1.43531495	2.72117522
SR6	0.92422232	0.84663199	1.00735047	1.20936324	1.09491080	1.209363239	2.29279942
SR7	1.19265191	1.43382720	1.48910306	1.90993232	1.69731101	1.909932317	3.62098959
SR8	0.87181075	0.92615325	0.94778074	1.09876186	1.11335843	1.113358428	2.11078646
SR9	1.34667654	1.41646943	1.82545544	1.59126043	1.51676193	1.825455437	3.46083213
SR10	1.40166220	1.71649942	1.72552113	1.62948863	1.64301877	1.725521127	3.27136935
SR11	1.19162604	1.22326273	1.28336101	1.21061325	1.75675495	1.756754954	3.33058473
SR12	1.33898267	1.51017237	1.28910731	1.61792391	1.89734257	1.897342573	3.59712103
SR13	1.29692005	1.46273208	1.21635057	1.59295484	1.79025751	1.790257505	3.39410132
SR14	0.91874715	0.93098623	0.81100047	0.93098623	1.11750017	1.117500168	2.11863868
SR15	0.71648754	0.74959596	0.63127218	0.74959596	0.89935245	0.899352451	1.70505826
SR16	0.60459159	0.64745327	0.53222436	0.64745327	0.77667882	0.776678821	1.47248460
SR17	0.49869339	0.54922272	0.44165258	0.54922272	0.65860966	0.65860966	1.24864044
SR18	0.38653105	0.46992948	0.36209428	0.43983615	0.52732885	0.527328845	0.99974865
SR19	0.41707679	0.45337236	0.54518164	0.46071338	0.53965292	0.545181638	1.03359529
SR20	0.48946673	0.53787765	0.64398286	0.54477998	0.64633281	0.646332814	1.22536509
SR21	0.59048094	0.63129465	0.66074616	0.63129465	0.75849310	0.758493095	1.43800677
SR22	1.05681981	1.05093545	0.93701617	1.05681981	1.26310071	1.263100712	2.39467885
SR23	1.68722457	1.62626458	1.49596435	1.68722457	1.95456066	1.954560657	3.70559927
SR24	0.57526854	0.68847084	0.68541265	0.86629575	0.76319142	0.866295752	1.64238694
SR25	0.75176427	0.81045821	0.87271034	0.99497443	1.06259173	1.062591725	2.01453923
SR26	1.03173442	1.16586956	1.10692356	1.32709485	1.46977234	1.469772344	2.78650207
SR27	1.26543646	1.42880990	1.37515014	1.68626706	1.64179644	1.686267056	3.19694861
SR28	1.54846638	1.49957804	1.37293472	1.54846638	1.80230013	1.802300133	3.41693261

2041 - Future Build

SR29	1.22450109	1.38233623	1.44326635	1.77484597	1.58764408	1.774845973	3.36488300
SR30	1.73130300	1.66838537	1.56073218	1.73130300	2.00518178	2.005181778	3.80157050
SR31	1.16382571	1.35188981	1.47327785	1.81271647	1.54062984	1.812716468	3.43668066
SR32	1.00268007	1.10603926	1.20556099	1.43967719	1.29289123	1.439677188	2.72944547
SR33	0.97773334	1.07382667	1.17047622	1.39007004	1.26138445	1.390070042	2.63539661
SR34	0.97697787	1.07679963	1.16497070	1.37870457	1.26018422	1.378704571	2.61384912
SR35	1.09971051	1.28532873	1.32305098	1.58656939	1.43902189	1.586569393	3.00793447
SR36	1.09158111	1.30182163	1.32956028	1.55954372	1.46465439	1.559543721	2.95669723
SR37	1.12404201	1.35875838	1.39430260	1.60945235	1.54907724	1.609452352	3.05131766
SR38	1.23873413	1.47815430	1.52661937	1.74255859	1.72652332	1.742558588	3.30367022
SR39	1.22603389	1.46259597	1.51111944	1.71399975	1.70715704	1.713999753	3.24952628
SR40	1.15469205	1.38723380	1.43074096	1.60818655	1.60108291	1.608186554	3.04891787
SR41	1.19739213	1.41661598	1.46966477	1.60854171	1.66197478	1.66197478	3.15089353
SR42	0.95275408	1.15889401	1.18858569	1.35713950	1.28090227	1.357139498	2.57296447
SR43	0.87199263	1.03682408	1.05906145	1.21199974	1.10899328	1.211999741	2.29779789
SR44	1.17037071	1.37047512	1.42864817	1.53765677	1.62129027	1.621290267	3.07376085
SR45	1.12642474	1.31901803	1.37599400	1.46727390	1.55606991	1.55606991	2.95011132
SR46	1.25143363	1.43414216	1.50475706	1.56917435	1.74424486	1.744244862	3.30686718
SR47	1.29887769	1.47628176	1.55241215	1.60115248	1.81613940	1.816139405	3.44317012
SR48	1.15794366	1.33488828	1.39956140	1.43069555	1.60512508	1.605125083	3.04311371
SR49	1.12193684	1.28683725	1.35213957	1.25250176	1.55335861	1.553358613	2.94497104
SR50	1.28357107	1.42454128	1.50966362	1.33245540	1.80223105	1.802231045	3.41680163
SR51	1.23193026	1.31179223	1.41473447	1.23193026	1.74044977	1.740449774	3.29967217
SR52	1.19612099	1.26045947	1.36414492	1.19612099	1.69350961	1.693509607	3.21067956
SR53	1.22383984	1.26708934	1.37670394	1.22383984	1.74663367	1.746633669	3.31139605
SR54	1.13468564	1.15847208	1.22590276	1.06570941	1.49675600	1.496756004	2.83765967
SR55	1.03296610	1.04830102	1.02560286	0.90039872	1.13862509	1.138625095	2.15868886
SR56	0.96210447	0.90983933	0.85286749	0.75833100	0.97793272	0.977932716	1.85403648
SR57	0.86986403	0.73552332	0.76200345	0.97578480	0.76416982	0.975784805	1.84996431
SR58	1.14126718	1.14601468	0.93169047	1.14177969	1.28749692	1.287496922	2.44093098
SR59	1.35113021	1.21113171	1.13881087	1.54384491	1.64186298	1.641862978	3.11276410
SR60	1.30163076	1.18917154	1.13303276	1.53601007	1.61209347	1.612093469	3.05632489
SR61	1.20114569	1.35490392	1.22962512	1.66693926	1.55082010	1.666939259	3.16030555
SR62	1.67198727	1.26624888	1.16620760	1.26624888	1.17228768	1.671987274	3.16987595
SR63	2.01309505	1.36402920	1.25626637	1.36778847	1.42147349	2.01309505	3.81657306
SR64	1.86436662	1.39732996	1.37472578	1.49724763	1.31531036	1.864366619	3.53460280
SR65	1.66598150	1.11770427	1.09528368	1.17865929	1.27306318	1.665981502	3.15848977
SR66	1.50563371	1.11878819	1.08612598	1.20462071	1.38699825	1.505633711	2.85449068
SR67	1.22869431	1.11378473	1.15744961	1.12938131	1.21990281	1.228694314	2.32944868
SR68	1.67264937	1.60705905	2.16861654	1.91226879	1.96977561	2.168616537	4.11142209
SR69	1.36170317	1.99672515	1.95179302	1.54766222	2.20676933	2.206769333	4.18375495
SR70	0.49455870	0.51528707	0.40174248	0.53781050	0.57020061	0.570200609	1.08102808
SR71	0.60489501	0.60190554	0.49043298	0.68850435	0.71892843	0.718928434	1.36299719
SR72	0.38247503	0.38247503	0.34435648	0.36935408	0.41141913	0.41141913	0.77999852
SR73	0.40555724	0.34530816	0.33031443	0.41705773	0.46602147	0.466021474	0.88351765
SR74	0.41458660	0.37855974	0.32888593	0.37855974	0.41458660	0.4145866	0.78600365
CR1	0.88720807	1.18541349	1.19214450	1.04438123	1.04480389	1.192144498	2.26015487
CR2	0.60666822	0.56919805	0.72189374	0.57424764	0.68367210	0.72189374	1.36861903

Maximum : **4.184** **SR69**

Acrolein

Conversion Factor 100000
Molecular Weight 56.06

	First Highest 1-Hour Average (ppm)*(10^5)						
	2018	**2019**	**2020**	**2021**	**2022**	**5-year Maximum**	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.142726	0.17846	0.183752	0.239007	0.21327	0.239007	0.00576670
SR2	0.148965	0.179688	0.183209	0.243437	0.214739	0.243437	0.00587358
SR3	0.15757	0.163944	0.171989	0.231719	0.204076	0.231719	0.00559085
SR4	0.179245	0.222687	0.231104	0.298725	0.266027	0.298725	0.00720756
SR5	0.193814	0.244902	0.254907	0.325527	0.292521	0.325527	0.00785423
SR6	0.207038	0.18866	0.225935	0.27378	0.247416	0.27378	0.00660569
SR7	0.267494	0.320419	0.332831	0.433297	0.38258	0.433297	0.01045447
SR8	0.195543	0.211346	0.212428	0.24853	0.253933	0.253933	0.00612683
SR9	0.304298	0.320068	0.416147	0.361433	0.345774	0.416147	0.01004068
SR10	0.314443	0.389879	0.391928	0.370116	0.373189	0.391928	0.00945633

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SR11	0.267324	0.277847	0.291498	0.275982	0.400485	0.400485	0.00966279
SR12	0.302559	0.343015	0.289192	0.368836	0.432535	0.432535	0.01043609
SR13	0.293055	0.332239	0.27287	0.363144	0.408123	0.408123	0.00984708
SR14	0.210388	0.213142	0.184315	0.213142	0.256645	0.256645	0.00619226
SR15	0.165937	0.173333	0.144965	0.173333	0.208583	0.208583	0.00503263
SR16	0.140756	0.150294	0.12281	0.150294	0.180823	0.180823	0.00436285
SR17	0.117311	0.128557	0.102098	0.128557	0.154603	0.154603	0.00373022
SR18	0.091881	0.110167	0.082615	0.103674	0.124653	0.124653	0.00300759
SR19	0.10367	0.114946	0.163147	0.137514	0.120823	0.163147	0.00393637
SR20	0.115358	0.148613	0.195506	0.164936	0.145554	0.195506	0.00471712
SR21	0.132792	0.14671	0.198498	0.166724	0.171056	0.198498	0.00478931
SR22	0.235589	0.234248	0.20781	0.235589	0.282565	0.282565	0.00681765
SR23	0.376078	0.36247	0.331737	0.376078	0.437226	0.437226	0.01054927
SR24	0.129876	0.156789	0.155959	0.199371	0.174289	0.199371	0.00481037
SR25	0.173271	0.191053	0.205044	0.222133	0.249946	0.249946	0.00603063
SR26	0.238358	0.27105	0.243993	0.296295	0.343022	0.343022	0.00827634
SR27	0.290325	0.329747	0.303048	0.377112	0.379395	0.379395	0.00915394
SR28	0.345153	0.334235	0.304458	0.345153	0.403168	0.403168	0.00972753
SR29	0.279735	0.317627	0.318029	0.396101	0.364857	0.396101	0.00955702
SR30	0.385902	0.371858	0.348535	0.385902	0.448549	0.448549	0.01082247
SR31	0.265271	0.301161	0.32466	0.404558	0.349587	0.404558	0.00976107
SR32	0.225619	0.24361	0.265754	0.321446	0.287116	0.321446	0.00775576
SR33	0.219886	0.236527	0.258032	0.310393	0.280136	0.310393	0.00748908
SR34	0.219546	0.242031	0.259392	0.307867	0.279879	0.307867	0.00742813
SR35	0.246818	0.288187	0.294298	0.354216	0.32579	0.354216	0.00854643
SR36	0.244772	0.291629	0.298114	0.348201	0.331153	0.348201	0.00840130
SR37	0.251921	0.304197	0.312412	0.359332	0.349863	0.359332	0.00866987
SR38	0.274439	0.330711	0.341795	0.389009	0.38941	0.38941	0.00939558
SR39	0.271605	0.327205	0.338299	0.382644	0.385012	0.385012	0.00928947
SR40	0.25587	0.310378	0.320352	0.359046	0.361224	0.361224	0.00871552
SR41	0.265074	0.316741	0.328819	0.359029	0.374509	0.374509	0.00903605
SR42	0.21327	0.259359	0.266249	0.302984	0.289309	0.302984	0.00731032
SR43	0.192193	0.232078	0.237303	0.270618	0.250655	0.270618	0.00652940
SR44	0.258894	0.306244	0.319442	0.343226	0.364997	0.364997	0.00880655
SR45	0.249133	0.294695	0.307619	0.327523	0.350248	0.350248	0.00845069
SR46	0.276561	0.320269	0.336221	0.350231	0.392193	0.392193	0.00946273
SR47	0.286959	0.329618	0.346793	0.357354	0.408197	0.408197	0.00984887
SR48	0.255913	0.298085	0.312708	0.319346	0.360943	0.360943	0.00870874
SR49	0.247868	0.287268	0.302019	0.279639	0.349151	0.349151	0.00842422
SR50	0.28329	0.317821	0.336962	0.297175	0.404546	0.404546	0.00976078
SR51	0.271874	0.292655	0.31576	0.271874	0.390637	0.390637	0.00942518
SR52	0.263974	0.281202	0.304469	0.263974	0.380107	0.380107	0.00917112
SR53	0.270461	0.282662	0.307246	0.270055	0.391952	0.391952	0.00945691
SR54	0.256226	0.260661	0.273657	0.235259	0.336075	0.336075	0.00810873
SR55	0.233154	0.235698	0.229089	0.20088	0.25604	0.25604	0.00617766
SR56	0.216484	0.204115	0.190941	0.169273	0.221424	0.221424	0.00534246
SR57	0.196445	0.16765	0.172257	0.221224	0.172271	0.221224	0.00533763
SR58	0.255121	0.255807	0.205687	0.256462	0.289045	0.289045	0.00697400
SR59	0.301798	0.269251	0.253277	0.346411	0.368248	0.368248	0.00888499
SR60	0.290751	0.264371	0.25199	0.344649	0.361574	0.361574	0.00872396
SR61	0.267087	0.302858	0.273396	0.373919	0.347807	0.373919	0.00902182
SR62	0.373997	0.280766	0.256741	0.280766	0.274445	0.373997	0.00902370
SR63	0.444399	0.29633	0.270954	0.297148	0.313762	0.444399	0.01072234
SR64	0.389269	0.294303	0.291688	0.317954	0.290915	0.389269	0.00939218
SR65	0.360579	0.237337	0.222933	0.241028	0.277216	0.360579	0.00869995
SR66	0.332455	0.229912	0.210218	0.229912	0.270952	0.332455	0.00802138
SR67	0.273849	0.2285	0.230475	0.214135	0.236544	0.273849	0.00660735
SR68	0.310154	0.311984	0.369233	0.350847	0.344075	0.369233	0.00890875
SR69	0.53416	0.604092	0.576741	0.382966	0.576741	0.604092	0.01457537
SR70	0.113802	0.116736	0.0909	0.125922	0.132701	0.132701	0.00320177
SR71	0.144583	0.14389	0.115777	0.163141	0.171257	0.171257	0.00413204
SR72	0.086567	0.086567	0.077878	0.083589	0.093747	0.093747	0.00226190
SR73	0.095314	0.080654	0.076487	0.099659	0.110642	0.110642	0.00266954
SR74	0.093836	0.085108	0.073704	0.085108	0.093836	0.093836	0.00226405
CR1	0.202746	0.278491	0.2906	0.254683	0.267013	0.2906	0.00701152
CR2	0.144529	0.133117	0.168112	0.141502	0.159606	0.168112	0.00405616

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						Maximum :	0.014575	SR69
	First Highest 24-Hour Average (ppm)*(10^5)					5-year Maximum		
	2018	2019	2020	2021	2022			
Receptor ID						ppm	(µg/m^3)	
SR1	0.024029	0.027826	0.024674	0.035113	0.026166	0.035113	0.00084720	
SR2	0.025944	0.028082	0.02661	0.035466	0.026462	0.035466	0.00085571	
SR3	0.025303	0.027334	0.025088	0.033944	0.027405	0.033944	0.00081899	
SR4	0.031071	0.034954	0.028809	0.040088	0.035595	0.040088	0.00096723	
SR5	0.031938	0.038654	0.030501	0.043351	0.038559	0.043351	0.00104596	
SR6	0.027956	0.03768	0.032229	0.045212	0.036633	0.045212	0.00109086	
SR7	0.040259	0.053734	0.040993	0.058838	0.050814	0.058838	0.00141963	
SR8	0.031053	0.039024	0.036646	0.049206	0.039994	0.049206	0.00118723	
SR9	0.048721	0.050489	0.051462	0.059371	0.070062	0.070062	0.00169044	
SR10	0.053729	0.055861	0.065898	0.063717	0.0741	0.0741	0.00178786	
SR11	0.04949	0.050768	0.062608	0.05637	0.061817	0.062608	0.00151059	
SR12	0.057862	0.058452	0.067164	0.062895	0.069253	0.069253	0.00167092	
SR13	0.058571	0.056905	0.063749	0.062993	0.068216	0.068216	0.00164590	
SR14	0.036182	0.046992	0.041055	0.040381	0.044713	0.046992	0.00113381	
SR15	0.030364	0.038807	0.034903	0.033122	0.038753	0.038807	0.00093632	
SR16	0.026446	0.034421	0.030932	0.028483	0.035455	0.035455	0.00085545	
SR17	0.023751	0.031311	0.028443	0.025683	0.033354	0.033354	0.00080476	
SR18	0.020202	0.027267	0.024225	0.022517	0.029586	0.029586	0.00071384	
SR19	0.032721	0.03326	0.030794	0.032274	0.029966	0.03326	0.00080249	
SR20	0.038782	0.038774	0.035855	0.038025	0.037467	0.038782	0.00093572	
SR21	0.041891	0.042503	0.038713	0.041114	0.041305	0.042503	0.00102550	
SR22	0.036007	0.047628	0.038034	0.039297	0.043385	0.047628	0.00114916	
SR23	0.056362	0.075995	0.062381	0.064337	0.067014	0.075995	0.00183359	
SR24	0.030721	0.035391	0.030044	0.040938	0.039197	0.040938	0.00098774	
SR25	0.036225	0.038023	0.045554	0.038732	0.045416	0.045554	0.00109911	
SR26	0.047524	0.048202	0.056329	0.052416	0.056777	0.056777	0.00136990	
SR27	0.058158	0.057455	0.062003	0.066289	0.068894	0.068894	0.00166226	
SR28	0.050949	0.068739	0.056451	0.058387	0.061518	0.068739	0.00165852	
SR29	0.060441	0.0606	0.061709	0.070075	0.07274	0.07274	0.00175505	
SR30	0.057946	0.076954	0.064117	0.065933	0.068726	0.076954	0.00185673	
SR31	0.061175	0.062154	0.061986	0.071909	0.075003	0.075003	0.00180965	
SR32	0.047441	0.049464	0.051619	0.058224	0.062542	0.062542	0.00150900	
SR33	0.046013	0.047934	0.050468	0.056602	0.060959	0.060959	0.00147080	
SR34	0.045963	0.047886	0.051176	0.056682	0.061263	0.061263	0.00147814	
SR35	0.052982	0.055567	0.060787	0.065172	0.070989	0.070989	0.00171280	
SR36	0.052629	0.055091	0.061262	0.064821	0.070726	0.070726	0.00170646	
SR37	0.054605	0.057159	0.064149	0.067155	0.073365	0.073365	0.00177013	
SR38	0.05967	0.062275	0.070283	0.07299	0.079549	0.079549	0.00191934	
SR39	0.058782	0.061365	0.069488	0.071996	0.078528	0.078528	0.00189470	
SR40	0.055202	0.05767	0.065585	0.067901	0.07423	0.07423	0.00179100	
SR41	0.055813	0.05813	0.067187	0.068695	0.075157	0.075157	0.00181337	
SR42	0.044838	0.046331	0.053447	0.055974	0.061012	0.061012	0.00147208	
SR43	0.039737	0.040181	0.047056	0.049759	0.054359	0.054359	0.00131156	
SR44	0.053032	0.054859	0.064903	0.065686	0.071908	0.071908	0.00173498	
SR45	0.050486	0.051919	0.062201	0.062896	0.068726	0.068726	0.00165820	
SR46	0.055309	0.056908	0.068646	0.068553	0.075098	0.075098	0.00181194	
SR47	0.057075	0.05865	0.07101	0.070656	0.077392	0.077392	0.00186729	
SR48	0.0506	0.052168	0.06336	0.063253	0.069226	0.069226	0.00167027	
SR49	0.047571	0.049779	0.061035	0.059449	0.06564	0.06564	0.00158374	
SR50	0.046787	0.050481	0.067573	0.05942	0.065395	0.067573	0.00163038	
SR51	0.044255	0.047292	0.062954	0.057911	0.061171	0.062954	0.00151894	
SR52	0.043162	0.045951	0.061137	0.057296	0.059289	0.061137	0.00147510	
SR53	0.045114	0.047795	0.06293	0.059619	0.06135	0.06293	0.00151836	
SR54	0.038719	0.041917	0.054617	0.051682	0.052546	0.054617	0.00131778	
SR55	0.031283	0.035656	0.043391	0.03986	0.04143	0.043391	0.00104693	
SR56	0.024941	0.032245	0.033717	0.027544	0.030114	0.033717	0.00081351	
SR57	0.020845	0.024086	0.023456	0.020358	0.021953	0.024086	0.00058114	
SR58	0.026075	0.033917	0.024391	0.025177	0.023975	0.033917	0.00081834	
SR59	0.028318	0.029353	0.025592	0.023662	0.026672	0.029353	0.00070822	
SR60	0.027306	0.026799	0.024855	0.022471	0.025578	0.027306	0.00065883	
SR61	0.027049	0.025491	0.030394	0.022384	0.023418	0.030394	0.00073334	
SR62	0.056183	0.067032	0.06029	0.055838	0.065983	0.067032	0.00161733	

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SR63	0.062715	0.075727	0.066928	0.061783	0.07297	0.075727	0.00182712
SR64	0.071255	0.078564	0.07284	0.065493	0.080418	0.080418	0.00194030
SR65	0.061087	0.069553	0.071072	0.063807	0.079221	0.079221	0.00191142
SR66	0.060433	0.070222	0.070885	0.067724	0.081846	0.081846	0.00197476
SR67	0.062786	0.06518	0.077221	0.068253	0.089133	0.089133	0.00215058
SR68	0.089621	0.089424	0.115375	0.0983	0.12621	0.12621	0.00304516
SR69	0.079323	0.099694	0.090199	0.086471	0.123636	0.123636	0.00298306
SR70	0.013238	0.015791	0.016055	0.013303	0.013949	0.016055	0.00038737
SR71	0.020406	0.022374	0.022605	0.018647	0.017792	0.022605	0.00054541
SR72	0.008564	0.011699	0.008709	0.00792	0.010982	0.011699	0.00028227
SR73	0.009679	0.010119	0.012712	0.009563	0.009816	0.012712	0.00030671
SR74	0.011268	0.012813	0.00991	0.009793	0.010027	0.012813	0.00030915
CR1	0.056031	0.053888	0.048739	0.057712	0.050573	0.057712	0.00139246
CR2	0.032438	0.034732	0.02955	0.034441	0.027372	0.034732	0.00083800
					Maximum :	**0.003**	**SR68**

Formaldehyde

						Conversion Factor	1000
						Molecular Weight	30.031
			First Highest 24-Hour Average (ppm)*(10)^3				
	2018	**2019**	**2020**	**2021**	**2022**	**5-year Maximum**	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.151939	0.176151	0.156726	0.221564	0.166315	0.221564	0.28637320
SR2	0.164223	0.177762	0.168143	0.223791	0.166996	0.223791	0.28925162
SR3	0.160155	0.173004	0.158419	0.21414	0.173373	0.21414	0.27677763
SR4	0.196548	0.221244	0.181898	0.252767	0.225542	0.252767	0.32670332
SR5	0.202034	0.244653	0.192565	0.273323	0.244423	0.273323	0.35327212
SR6	0.176913	0.238366	0.203291	0.285061	0.232254	0.285061	0.36844357
SR7	0.254706	0.340054	0.258753	0.370872	0.322135	0.370872	0.47935496
SR8	0.196305	0.246786	0.231066	0.310286	0.253475	0.310286	0.40104708
SR9	0.308472	0.318944	0.324423	0.373961	0.444249	0.444249	0.57419531
SR10	0.339501	0.352739	0.416815	0.401191	0.469779	0.469779	0.60719303
SR11	0.311697	0.319816	0.396396	0.353556	0.389938	0.396396	0.51234493
SR12	0.362637	0.367526	0.425211	0.394304	0.434309	0.434309	0.56134778
SR13	0.362210	0.354367	0.40265	0.390239	0.425719	0.425719	0.55024514
SR14	0.211922	0.281296	0.240463	0.23887	0.267138	0.281296	0.36357728
SR15	0.173725	0.229199	0.199406	0.191982	0.225097	0.229199	0.29624150
SR16	0.150524	0.202755	0.175695	0.164286	0.200975	0.202755	0.26206242
SR17	0.133119	0.18196	0.158768	0.146938	0.185646	0.185646	0.23994891
SR18	0.114663	0.158205	0.134485	0.128342	0.164567	0.164567	0.21270413
SR19	0.159786	0.175225	0.163099	0.166587	0.151482	0.175225	0.22647968
SR20	0.189814	0.203298	0.187778	0.193714	0.183519	0.203298	0.26276426
SR21	0.213476	0.228534	0.203493	0.210399	0.202422	0.228534	0.29538198
SR22	0.224539	0.301659	0.243225	0.250194	0.275044	0.301659	0.38989662
SR23	0.361130	0.486333	0.400779	0.412617	0.430447	0.486333	0.62858921
SR24	0.177170	0.198109	0.175968	0.238839	0.238092	0.238839	0.30870128
SR25	0.220535	0.223969	0.271791	0.247856	0.280494	0.280494	0.36254069
SR26	0.292960	0.290652	0.344243	0.335619	0.35606	0.35606	0.46021034
SR27	0.365557	0.368354	0.385578	0.426169	0.437224	0.437224	0.56511544
SR28	0.326878	0.440407	0.363064	0.374823	0.395215	0.440407	0.56922949
SR29	0.383122	0.390361	0.387147	0.450693	0.464173	0.464173	0.59994723
SR30	0.372006	0.493978	0.412349	0.423569	0.441604	0.493978	0.63847043
SR31	0.389683	0.400365	0.390687	0.462493	0.480024	0.480024	0.62043478
SR32	0.304720	0.318447	0.328435	0.374327	0.402379	0.402379	0.52007801
SR33	0.295597	0.308564	0.321342	0.363859	0.392289	0.392289	0.50703660
SR34	0.295362	0.308227	0.326407	0.364339	0.394447	0.394447	0.50982583
SR35	0.340570	0.357731	0.388822	0.418945	0.457371	0.457371	0.59115560
SR36	0.338369	0.354617	0.392245	0.41664	0.455801	0.455801	0.58912636
SR37	0.351101	0.367927	0.411028	0.431625	0.472878	0.472878	0.61119851
SR38	0.383698	0.400893	0.450726	0.469161	0.512805	0.512805	0.66280447
SR39	0.378001	0.394997	0.445662	0.462723	0.50624	0.50624	0.65431916
SR40	0.354982	0.371182	0.420555	0.436375	0.478562	0.478562	0.61854513
SR41	0.358955	0.37407	0.431194	0.441376	0.484614	0.484614	0.62636739
SR42	0.288348	0.297975	0.342548	0.359471	0.393348	0.393348	0.50840537
SR43	0.255566	0.258252	0.301493	0.319338	0.350431	0.350431	0.45293481
SR44	0.341120	0.352854	0.416834	0.421797	0.463743	0.463743	0.59939146

2041 - Future Build

SR45	0.324755	0.33383	0.399544	0.40371	0.443246	0.443246	0.57289892
SR46	0.355796	0.365941	0.441226	0.440019	0.484376	0.484376	0.62605977
SR47	0.367165	0.377137	0.456536	0.453496	0.499181	0.499181	0.64519535
SR48	0.325504	0.335665	0.40724	0.40576	0.446506	0.446506	0.57711250
SR49	0.305984	0.320327	0.392411	0.381121	0.423389	0.423389	0.54723359
SR50	0.301651	0.32406	0.434891	0.38081	0.422036	0.434891	0.56210002
SR51	0.284642	0.303573	0.405276	0.370905	0.394813	0.405276	0.52382240
SR52	0.277575	0.294963	0.39358	0.366809	0.382668	0.39358	0.50870523
SR53	0.290096	0.307426	0.405153	0.38157	0.395947	0.405153	0.52366342
SR54	0.247796	0.268659	0.351513	0.330461	0.339125	0.351513	0.45433330
SR55	0.200003	0.228314	0.279	0.254488	0.267305	0.279	0.36060968
SR56	0.159507	0.206212	0.216482	0.175341	0.19414	0.216482	0.27980468
SR57	0.132944	0.15304	0.150127	0.131273	0.140534	0.15304	0.19780540
SR58	0.167499	0.21802	0.156873	0.161956	0.153377	0.21802	0.28179256
SR59	0.181821	0.18832	0.164668	0.15268	0.170597	0.18832	0.24340507
SR60	0.175303	0.171862	0.159933	0.144986	0.16357	0.175303	0.22658050
SR61	0.173727	0.16278	0.196107	0.143119	0.149705	0.196107	0.25346983
SR62	0.349052	0.414847	0.372382	0.35051	0.407148	0.414847	0.53619299
SR63	0.410078	0.472524	0.420662	0.396241	0.461448	0.472524	0.61074097
SR64	0.473992	0.507846	0.479941	0.440542	0.521	0.521	0.67339658
SR65	0.430260	0.477647	0.503314	0.459234	0.534071	0.534071	0.69029095
SR66	0.444402	0.504933	0.525243	0.484246	0.574236	0.574236	0.74220452
SR67	0.446057	0.474115	0.562669	0.484567	0.63113	0.63113	0.81574046
SR68	0.535744	0.5093	0.672568	0.590312	0.752577	0.752577	0.97271166
SR69	0.462265	0.473638	0.506833	0.42141	0.546982	0.546982	0.70697851
SR70	0.081443	0.099086	0.098983	0.081801	0.086532	0.099086	0.12806943
SR71	0.112404	0.128525	0.127525	0.105327	0.110937	0.128525	0.16611957
SR72	0.062784	0.088014	0.06235	0.057584	0.08641	0.088014	0.11375878
SR73	0.057781	0.062447	0.072905	0.055618	0.05596	0.072905	0.09423028
SR74	0.071626	0.083508	0.062658	0.06474	0.065543	0.083508	0.10793474
CR1	0.325785	0.322362	0.287516	0.348165	0.302384	0.348165	0.45000599
CR2	0.202747	0.210573	0.17329	0.205345	0.162342	0.210573	0.27216725
					Maximum :	**0.9727**	**SR68**

Benzene

Conversion Factor	1000
Molecular Weight	78.11

	First Highest 24-Hour Average (ppm)*(10)^3						
	2018	**2019**	**2020**	**2021**	**2022**	**5-year Maximum**	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.006498	0.007451	0.006656	0.009426	0.007024	0.009426	0.03168819
SR2	0.007001	0.007518	0.007171	0.009519	0.007115	0.009519	0.03200084
SR3	0.006826	0.007313	0.006754	0.0091	0.007398	0.0091	0.03059225
SR4	0.008384	0.009368	0.007761	0.010759	0.009604	0.010759	0.03616945
SR5	0.008618	0.010365	0.008218	0.011638	0.010407	0.011638	0.03912446
SR6	0.007539	0.01009	0.008672	0.012124	0.009879	0.012124	0.04075829
SR7	0.010868	0.014431	0.011049	0.01581	0.013722	0.01581	0.05314983
SR8	0.00836	0.010441	0.009856	0.013191	0.010782	0.013191	0.04434532
SR9	0.013186	0.013622	0.013902	0.015864	0.018904	0.018904	0.06355120
SR10	0.014492	0.015082	0.017829	0.017009	0.019988	0.019988	0.06719537
SR11	0.013269	0.013694	0.016946	0.014837	0.016535	0.016946	0.05696882
SR12	0.01534	0.015705	0.018178	0.016493	0.018343	0.018343	0.06166523
SR13	0.015167	0.01497	0.017181	0.01637	0.017855	0.017855	0.06002468
SR14	0.009242	0.012131	0.010495	0.010369	0.011566	0.012131	0.04078182
SR15	0.00768	0.009977	0.008827	0.008436	0.009846	0.009977	0.03354054
SR16	0.006671	0.008841	0.007801	0.007237	0.008944	0.008944	0.03006781
SR17	0.005936	0.007991	0.007114	0.006523	0.008343	0.008343	0.02804738
SR18	0.005092	0.006952	0.006039	0.005713	0.007398	0.007398	0.02487049
SR19	0.007665	0.008077	0.007497	0.007736	0.007111	0.008077	0.02715314
SR20	0.009087	0.009389	0.008673	0.009058	0.008811	0.009389	0.03156381
SR21	0.009932	0.010317	0.009355	0.009798	0.009704	0.010317	0.03468354
SR22	0.009485	0.012692	0.010204	0.010503	0.011507	0.012692	0.04266778
SR23	0.015148	0.020391	0.0168	0.017292	0.01802	0.020391	0.06855017
SR24	0.007698	0.00888	0.007687	0.010462	0.010215	0.010462	0.03517100
SR25	0.009439	0.009673	0.011822	0.010371	0.011921	0.011921	0.04007585
SR26	0.012456	0.012391	0.014744	0.014056	0.014988	0.014988	0.05038644

2041 - Future Build

SR27	0.015441	0.015387	0.016294	0.017832	0.018316	0.018316	0.06157447
SR28	0.013702	0.018462	0.01521	0.015702	0.016543	0.018462	0.06206529
SR29	0.016145	0.016307	0.016307	0.018856	0.019441	0.019441	0.06535648
SR30	0.015592	0.020704	0.017277	0.017744	0.018487	0.020704	0.06960241
SR31	0.016388	0.016726	0.016443	0.01935	0.0201	0.0201	0.06757189
SR32	0.012771	0.013294	0.013826	0.015646	0.016831	0.016831	0.05658221
SR33	0.012388	0.01288	0.013525	0.015206	0.016407	0.016407	0.05515682
SR34	0.012376	0.012865	0.013731	0.015224	0.016494	0.016494	0.05544929
SR35	0.014269	0.014936	0.016336	0.017512	0.019124	0.019124	0.06429079
SR36	0.014175	0.014805	0.016474	0.017412	0.019056	0.019056	0.06406219
SR37	0.014708	0.015361	0.017258	0.018039	0.019769	0.019769	0.06645914
SR38	0.016074	0.016741	0.018917	0.019612	0.021439	0.021439	0.07207332
SR39	0.015835	0.016494	0.018704	0.019342	0.021164	0.021164	0.07114883
SR40	0.01487	0.015495	0.017653	0.018235	0.020004	0.020004	0.06724916
SR41	0.015036	0.015615	0.018093	0.018441	0.020254	0.020254	0.06808961
SR42	0.012077	0.012428	0.014384	0.015006	0.016433	0.016433	0.05524422
SR43	0.010703	0.010785	0.012663	0.013319	0.014635	0.014635	0.04919973
SR44	0.014288	0.014722	0.017486	0.017612	0.019375	0.019375	0.06513460
SR45	0.013602	0.013966	0.01676	0.016849	0.018515	0.018515	0.06224346
SR46	0.014903	0.015281	0.018503	0.018368	0.020235	0.020235	0.06802573
SR47	0.01538	0.01575	0.019143	0.01893	0.020854	0.020854	0.07010668
SR48	0.013635	0.014069	0.017078	0.016926	0.018649	0.018649	0.06269394
SR49	0.012819	0.013426	0.016455	0.015874	0.017682	0.017682	0.05944309
SR50	0.012629	0.013602	0.018226	0.01584	0.017625	0.018226	0.06127191
SR51	0.011918	0.012742	0.016982	0.015426	0.016489	0.016982	0.05708984
SR52	0.011621	0.012381	0.016492	0.015258	0.015982	0.016492	0.05544257
SR53	0.012146	0.012839	0.016977	0.015881	0.01654	0.016977	0.05707304
SR54	0.010334	0.011173	0.014732	0.013744	0.014164	0.014732	0.04952583
SR55	0.008336	0.009424	0.011699	0.010566	0.011163	0.011699	0.03932953
SR56	0.006646	0.008517	0.009085	0.007258	0.008108	0.009085	0.03054182
SR57	0.005473	0.006342	0.006312	0.005495	0.00582	0.006342	0.02132044
SR58	0.007028	0.009144	0.006577	0.006789	0.006451	0.009144	0.03074017
SR59	0.007631	0.007907	0.006902	0.00639	0.007176	0.007907	0.02658164
SR60	0.007358	0.007218	0.006704	0.006068	0.006882	0.007358	0.02473602
SR61	0.00729	0.006804	0.008207	0.006022	0.0063	0.008207	0.02759018
SR62	0.013427	0.016386	0.014554	0.013078	0.015791	0.016386	0.05508622
SR63	0.016188	0.018443	0.016017	0.014353	0.017113	0.018443	0.06200141
SR64	0.018145	0.018808	0.017033	0.015111	0.018454	0.018808	0.06322847
SR65	0.013631	0.016172	0.016024	0.013837	0.017359	0.017359	0.05835724
SR66	0.013218	0.015923	0.015601	0.013791	0.017442	0.017442	0.05863627
SR67	0.012702	0.014285	0.015916	0.013472	0.018305	0.018305	0.06153749
SR68	0.014327	0.013838	0.016758	0.014432	0.019243	0.019243	0.06469084
SR69	0.013702	0.016508	0.016687	0.014471	0.020391	0.020391	0.06855017
SR70	0.003407	0.004074	0.004159	0.003446	0.003604	0.004159	0.01398167
SR71	0.005452	0.005914	0.006008	0.004953	0.004637	0.006008	0.02019761
SR72	0.002219	0.003019	0.002259	0.00207	0.002843	0.003019	0.01014923
SR73	0.002549	0.002655	0.003284	0.002483	0.0026	0.003284	0.01104010
SR74	0.002953	0.003357	0.002591	0.002555	0.002592	0.003357	0.01128551
CR1	0.010936	0.010832	0.010379	0.011522	0.009821	0.011522	0.03873449
CR2	0.006758	0.007303	0.006539	0.007304	0.005844	0.007304	0.02455448

Maximum : **0.0721** **SR38**

First Highest Annual Average (ppm)*(10)^3

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.001118	0.001090	0.001208	0.001138	0.001062	0.001208262	0.00406192
SR2	0.001329584	0.001261	0.001379	0.001387	0.001269	0.001387092	0.00466311
SR3	0.001376937	0.001302	0.001393	0.001445	0.001357	0.001445267	0.00485868
SR4	0.002228854	0.002095	0.002207	0.002315	0.002193	0.002314952	0.00778237
SR5	0.002431878	0.002294	0.002410	0.002537	0.002396	0.002537304	0.00852987
SR6	0.00218822	0.002069	0.002174	0.002272	0.002161	0.002272415	0.00763937
SR7	0.003208519	0.003050	0.003209	0.003359	0.003173	0.003359192	0.01129288
SR8	0.002525474	0.002386	0.002498	0.002608	0.002490	0.002607814	0.00876691
SR9	0.004787169	0.004556	0.004743	0.004986	0.004751	0.004986194	0.01676252
SR10	0.005197815	0.004976	0.005240	0.005455	0.005219	0.00545451	0.01833689

2041 - Future Build

SR11	0.00461138	0.004438	0.004656	0.004834	0.004648	0.004833745	0.01625001
SR12	0.005258658	0.005077	0.005280	0.005501	0.005289	0.005501471	0.01849477
SR13	0.005119461	0.004956	0.005139	0.005363	0.005147	0.005363266	0.01803015
SR14	0.002697995	0.002912	0.002729	0.002888	0.002799	0.002912028	0.00978961
SR15	0.002232424	0.002396	0.002248	0.002382	0.002307	0.00239596	0.00805470
SR16	0.001942592	0.002089	0.001955	0.002072	0.002009	0.002088845	0.00702225
SR17	0.001754183	0.001889	0.001766	0.001869	0.001814	0.0018894	0.00635176
SR18	0.001447057	0.001575	0.001461	0.001543	0.001501	0.001574796	0.00529413
SR19	0.002634269	0.002725	0.002618	0.002854	0.002775	0.002853876	0.00959412
SR20	0.003165407	0.003256	0.003134	0.003436	0.003328	0.003436145	0.01155158
SR21	0.00347045	0.003577	0.003437	0.003768	0.003641	0.003768022	0.01266728
SR22	0.002992958	0.003216	0.003004	0.003196	0.003142	0.003216162	0.01081205
SR23	0.004694472	0.005075	0.004721	0.004973	0.004915	0.005075207	0.01706176
SR24	0.00276323	0.002660	0.002766	0.002914	0.002761	0.002914377	0.00979751
SR25	0.003287157	0.003176	0.003325	0.003486	0.003339	0.003485928	0.01171894
SR26	0.004326612	0.004201	0.004357	0.004561	0.004376	0.004561237	0.01533390
SR27	0.005303988	0.005143	0.005302	0.005553	0.005312	0.005552605	0.01866667
SR28	0.00420321	0.004544	0.004217	0.004449	0.004409	0.004544235	0.01527674
SR29	0.005593943	0.005404	0.005574	0.005833	0.005596	0.005832786	0.01960858
SR30	0.004791511	0.005178	0.004805	0.005057	0.005020	0.00517828	0.01740827
SR31	0.005746487	0.005547	0.005713	0.005985	0.005735	0.0059845	0.02011861
SR32	0.004487977	0.004308	0.004481	0.004701	0.004482	0.004700635	0.01580253
SR33	0.004343038	0.004168	0.004340	0.004553	0.004340	0.004552507	0.01530455
SR34	0.004344938	0.004169	0.004346	0.004559	0.004344	0.004558516	0.01532475
SR35	0.005104255	0.004908	0.005109	0.005354	0.005104	0.005354292	0.01799998
SR36	0.005066054	0.004871	0.005076	0.005318	0.005069	0.005318086	0.01787827
SR37	0.005272909	0.005073	0.005286	0.005536	0.005278	0.005536114	0.01861123
SR38	0.005780293	0.005568	0.005796	0.006066	0.005787	0.006066426	0.02039402
SR39	0.005691839	0.005482	0.005709	0.005975	0.005700	0.005975187	0.02008730
SR40	0.00533126	0.005130	0.005348	0.005600	0.005340	0.005599862	0.01882554
SR41	0.005389207	0.005187	0.005411	0.005663	0.005402	0.005663455	0.01903932
SR42	0.004244924	0.004071	0.004265	0.004468	0.004258	0.004467716	0.01501950
SR43	0.003695152	0.003537	0.003716	0.003895	0.003711	0.00389522	0.01309489
SR44	0.005094328	0.004899	0.005122	0.005359	0.005111	0.005358804	0.01801515
SR45	0.004826698	0.004638	0.004856	0.005080	0.004846	0.005080318	0.01707894
SR46	0.005327706	0.005127	0.005360	0.005605	0.005350	0.005604832	0.01884224
SR47	0.005508799	0.005303	0.005542	0.005794	0.005532	0.005794081	0.01947846
SR48	0.004843019	0.004654	0.004876	0.005099	0.004868	0.005098798	0.01714107
SR49	0.00456508	0.004382	0.004596	0.004806	0.004593	0.004805708	0.01615576
SR50	0.004609209	0.004444	0.004658	0.004861	0.004650	0.00486109	0.01634194
SR51	0.004295566	0.004137	0.004350	0.004522	0.004334	0.004521784	0.01520127
SR52	0.004181291	0.004022	0.004233	0.004394	0.004216	0.004394307	0.01477272
SR53	0.004362695	0.004196	0.004413	0.004576	0.004394	0.004575588	0.01538215
SR54	0.003699367	0.003550	0.003743	0.003876	0.003728	0.003875707	0.01302930
SR55	0.002882373	0.002759	0.002913	0.003017	0.002904	0.003017033	0.01014262
SR56	0.002246087	0.002137	0.002255	0.002328	0.002250	0.002328126	0.00782666
SR57	0.001630674	0.001530	0.001630	0.001680	0.001623	0.001680084	0.00564808
SR58	0.002065513	0.002014	0.002026	0.002131	0.002107	0.002131178	0.00716456
SR59	0.001772624	0.001727	0.001746	0.001848	0.001806	0.001848235	0.00621337
SR60	0.001663421	0.001620	0.001641	0.001738	0.001695	0.001738017	0.00584284
SR61	0.001557129	0.001521	0.001570	0.001649	0.001606	0.001649445	0.00554508
SR62	0.00330363	0.003591	0.003381	0.003535	0.003412	0.003591057	0.01207236
SR63	0.003826248	0.004170	0.003904	0.004082	0.003938	0.004170229	0.01401942
SR64	0.004204924	0.004580	0.004286	0.004461	0.004300	0.004579531	0.01539540
SR65	0.00370562	0.004000	0.003772	0.003906	0.003793	0.004000227	0.01344791
SR66	0.003542713	0.003807	0.003572	0.003711	0.003624	0.003806668	0.01279720
SR67	0.003520357	0.003771	0.003572	0.003732	0.003645	0.003771377	0.01267856
SR68	0.003759835	0.003992	0.003805	0.004026	0.003897	0.00402632	0.01353562
SR69	0.003965515	0.004216	0.004027	0.004261	0.004113	0.004260797	0.01432389
SR70	0.001161907	0.001133	0.001150	0.001210	0.001181	0.001209817	0.00406715
SR71	0.001389356	0.001395	0.001399	0.001469	0.001429	0.001468874	0.00493804
SR72	0.000695991	0.000752	0.000697	0.000720	0.000714	0.000751796	0.00252738
SR73	0.000625481	0.000606	0.000615	0.000672	0.000637	0.00067195	0.00225895
SR74	0.000729119	0.000782	0.000745	0.000792	0.000777	0.000792441	0.00266402
CR1	0.003237058	0.003330	0.003202	0.003505	0.003381	0.003505245	0.01178388
CR2	0.001692001	0.001793	0.001716	0.001839	0.001782	0.001838941	0.00618213

2041 - Future Build

						Maximum :	0.020	SR38
Sulphur Dioxide								
						Conversion Factor		1000
						Molecular Weight		64.07
	First Highest 1-Hour Average (ppm)*(10)^3							
	2018	2019	2020	2021	2022	5-year Maximum		
Receptor ID						ppm	(µg/m^3)	
SR1	0.1624541	0.2027205	0.2087396	0.2670598	0.2399368	0.2670598	0.73642179	
SR2	0.169569	0.2040959	0.2080853	0.2720189	0.2415651	0.2720189	0.75009659	
SR3	0.1792141	0.1858475	0.1953107	0.2584358	0.2290414	0.2584358	0.71264097	
SR4	0.2045461	0.2536539	0.2631947	0.3348981	0.3001666	0.3348981	0.92348702	
SR5	0.2214104	0.2793193	0.2906488	0.3654498	0.3305127	0.3654498	1.00773383	
SR6	0.2358774	0.2139428	0.2570351	0.3056581	0.2791564	0.3056581	0.84285724	
SR7	0.3066536	0.3666707	0.3806855	0.4883878	0.4337948	0.4883878	1.34673739	
SR8	0.2227254	0.2402497	0.2407847	0.2763422	0.2866522	0.2866522	0.79044815	
SR9	0.3513645	0.3695743	0.4761187	0.4150979	0.3956046	0.4761187	1.31290514	
SR10	0.3658172	0.4477678	0.4501212	0.42507	0.4285994	0.4501212	1.24121661	
SR11	0.3110003	0.3191016	0.3347788	0.3157544	0.4582002	0.4582002	1.26349458	
SR12	0.3493571	0.393945	0.3364418	0.4219899	0.4948685	0.4948685	1.36460802	
SR13	0.3383824	0.3815697	0.317453	0.4154775	0.4669382	0.4669382	1.28758976	
SR14	0.2337601	0.2369172	0.206615	0.2369172	0.2844276	0.2844276	0.78431378	
SR15	0.1812547	0.1898119	0.1599773	0.1898119	0.2277944	0.2277944	0.62814680	
SR16	0.1525175	0.1636233	0.1345242	0.1636233	0.1963409	0.1963409	0.54141326	
SR17	0.1250881	0.1382011	0.1116002	0.1382011	0.1657893	0.1657893	0.45716672	
SR18	0.0967699	0.1181764	0.09172	0.1102445	0.1322297	0.1322297	0.36462557	
SR19	0.1037323	0.1168785	0.1154875	0.1156578	0.1390043	0.1390043	0.38330664	
SR20	0.1256372	0.1382009	0.1353033	0.1382009	0.1660511	0.1660511	0.45788864	
SR21	0.1515237	0.1620993	0.1396084	0.1620993	0.1947475	0.1947475	0.53701943	
SR22	0.2724109	0.2709201	0.2415768	0.2724109	0.3255655	0.3255655	0.89775222	
SR23	0.4349445	0.4192439	0.3857146	0.4349445	0.5038025	0.5038025	1.38924368	
SR24	0.1462925	0.179065	0.1784413	0.2137414	0.1887242	0.2137414	0.58939542	
SR25	0.1920735	0.2053877	0.2218712	0.2499073	0.2707489	0.2707489	0.74659454	
SR26	0.2637358	0.2978187	0.2813053	0.3384025	0.3742703	0.3742703	1.03205651	
SR27	0.3225541	0.3640213	0.3502824	0.4307136	0.4157292	0.4307136	1.18769983	
SR28	0.3991722	0.3865838	0.3539909	0.3991722	0.4645555	0.4645555	1.28101943	
SR29	0.3121824	0.3522682	0.3678008	0.4535218	0.4020185	0.4535218	1.25059382	
SR30	0.4463099	0.4301031	0.3982545	0.4463099	0.5168511	0.5168511	1.42522541	
SR31	0.2966993	0.3447218	0.3755424	0.4633058	0.3915947	0.4633058	1.27757336	
SR32	0.2575382	0.2816464	0.3068467	0.3678031	0.3276839	0.3678031	1.01422310	
SR33	0.2512641	0.2734183	0.2978849	0.3551445	0.3195983	0.3551445	0.97931680	
SR34	0.2512312	0.2754422	0.2965674	0.3523597	0.3193181	0.3523597	0.97163767	
SR35	0.2829979	0.3296641	0.3372453	0.4058706	0.3685753	0.4058706	1.11919485	
SR36	0.2810347	0.3342406	0.3411591	0.3991201	0.3754987	0.3991201	1.10058024	
SR37	0.2894651	0.3490742	0.3580096	0.4120429	0.3973646	0.4120429	1.13621507	
SR38	0.3182409	0.3799722	0.3922382	0.4463352	0.4431614	0.4463352	1.23077665	
SR39	0.3150103	0.3760078	0.3882949	0.4390488	0.4382331	0.4390488	1.21068428	
SR40	0.2966656	0.3566181	0.3676221	0.411915	0.4109801	0.411915	1.13586238	
SR41	0.3078662	0.3644049	0.3778931	0.4090519	0.4269231	0.4269231	1.17724747	
SR42	0.2454992	0.2979085	0.305383	0.3423381	0.3287752	0.3423381	0.94400294	
SR43	0.220855	0.2665289	0.2721013	0.3057093	0.2846535	0.3057093	0.84299842	
SR44	0.3011149	0.3527257	0.3675683	0.3890566	0.416743	0.416743	1.14917567	
SR45	0.289859	0.3395339	0.3540785	0.3715422	0.4000482	0.4000482	1.10313949	
SR46	0.3221588	0.3692835	0.3873525	0.3980191	0.4486215	0.4486215	1.23708116	
SR47	0.3344298	0.3801823	0.3996786	0.4064957	0.4671981	0.4671981	1.28830644	
SR48	0.2981081	0.3437476	0.3602943	0.3633583	0.4128615	0.4128615	1.13847237	
SR49	0.2889103	0.3314432	0.3481662	0.3191369	0.3996473	0.3996473	1.10203400	
SR50	0.3306992	0.3670419	0.3888935	0.343378	0.4639352	0.4639352	1.27930894	
SR51	0.3174108	0.3380011	0.3644525	0.3174108	0.4480586	0.4480586	1.23552896	
SR52	0.3081866	0.3247761	0.3514219	0.3081866	0.4359776	0.4359776	1.20221540	
SR53	0.3153475	0.3264962	0.3546729	0.3153475	0.4496869	0.4496869	1.24001902	
SR54	0.2778201	0.2922888	0.3157869	0.2745594	0.3852814	0.3852814	1.06241979	
SR55	0.2529454	0.2589159	0.2641062	0.2319939	0.2929564	0.2929564	0.80783209	
SR56	0.2378974	0.2264228	0.2120802	0.1953315	0.2379424	0.2379424	0.65613008	
SR57	0.2047166	0.176047	0.1835212	0.2309061	0.1828427	0.2309061	0.63672737	
SR58	0.2939796	0.2953137	0.2401248	0.2939542	0.3315348	0.3315348	0.91421266	
SR59	0.3481196	0.3120744	0.293395	0.3975985	0.4229074	0.4229074	1.16617411	

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SR60	0.3353641	0.3064164	0.2919083	0.3955835	0.41524	0.41524	1.14503113
SR61	0.3094591	0.3489923	0.3168251	0.4293464	0.3994731	0.4293464	1.18392976
SR62	0.4309647	0.3264844	0.3007728	0.3264844	0.3021639	0.4309647	1.18839225
SR63	0.5049751	0.3370777	0.3105319	0.3433123	0.3564871	0.5049751	1.39247714
SR64	0.3957787	0.3270236	0.3270236	0.3561565	0.3213584	0.3957787	1.09136627
SR65	0.3958121	0.2631956	0.237744	0.2690968	0.2776853	0.3958121	1.09145837
SR66	0.3767603	0.2604605	0.2399484	0.2604605	0.2634735	0.3767603	1.03892272
SR67	0.3141991	0.2344472	0.2159837	0.2344472	0.2187413	0.3141991	0.86640918
SR68	0.2549562	0.2009778	0.1851502	0.2009778	0.1768778	0.2549562	0.70304591
SR69	0.2130808	0.2842966	0.2432489	0.1848949	0.2392423	0.2842966	0.78395255
SR70	0.1088531	0.1194991	0.0955461	0.1134268	0.1218754	0.1218754	0.33607342
SR71	0.1398211	0.1434203	0.1135954	0.1545122	0.1625668	0.1625668	0.44828062
SR72	0.0883628	0.0883628	0.0789353	0.0862729	0.0937679	0.0937679	0.25856653
SR73	0.1037236	0.0893648	0.0845775	0.1012464	0.116754	0.116754	0.32195107
SR74	0.0921794	0.0842012	0.0740983	0.0842012	0.0921794	0.0921794	0.25418621
CR1	0.1682494	0.1546375	0.1517139	0.1342535	0.137256	0.1682494	0.46395049
CR2	0.1395926	0.0984838	0.1098642	0.1122364	0.0908523	0.1395926	0.38492889
					Maximum :	**1.425**	**SR30**

First Highest 24-Hour Average (ppm)*(10)^3

	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						**ppm**	**(µg/m^3)**
SR1	0.02773542	0.031513	0.02836578	0.0399186	0.02979828	0.03991863	0.11007628
SR2	0.02981815	0.03179455	0.03049688	0.0403079	0.03019614	0.04030785	0.11114956
SR3	0.02906678	0.0309049	0.02869283	0.0384938	0.03152128	0.03849376	0.10614718
SR4	0.03570968	0.03965992	0.03299183	0.0455512	0.04091633	0.04555119	0.12560816
SR5	0.03670733	0.04390477	0.03493285	0.0492858	0.04435809	0.04928578	0.13590635
SR6	0.03209728	0.04268603	0.03681787	0.0513007	0.04207891	0.05130068	0.14146247
SR7	0.04630813	0.0612233	0.0469878	0.0670142	0.05851987	0.06701422	0.18479281
SR8	0.03556007	0.04413833	0.04183161	0.0558102	0.04591423	0.05581024	0.15389765
SR9	0.05635021	0.05800457	0.05923499	0.0669290	0.08060094	0.08060094	0.22225842
SR10	0.06169791	0.06426209	0.0761392	0.0717059	0.08520703	0.08520703	0.23495979
SR11	0.05613756	0.05825698	0.07241185	0.0617560	0.06986213	0.07241185	0.19967687
SR12	0.06422145	0.06655838	0.0776754	0.0684642	0.07671669	0.0776754	0.21419119
SR13	0.06193069	0.06219214	0.07311428	0.0670069	0.07383231	0.07383231	0.20359381
SR14	0.03597915	0.0483101	0.04087646	0.0408427	0.04598296	0.0483101	0.13321590
SR15	0.02929315	0.03924744	0.03350943	0.0325450	0.03829406	0.03924744	0.10822546
SR16	0.02576151	0.03468154	0.0294198	0.0277636	0.03374966	0.03468154	0.09563492
SR17	0.02294537	0.03090049	0.02630746	0.0248982	0.03082725	0.03090049	0.08520861
SR18	0.01976164	0.02681764	0.02216521	0.0217320	0.02730612	0.02730612	0.07529707
SR19	0.02628237	0.02915668	0.02615865	0.0259959	0.02465514	0.02915668	0.08040002
SR20	0.0291864	0.03397099	0.02981431	0.0299577	0.02916616	0.03397099	0.09367556
SR21	0.03277084	0.03842098	0.0322157	0.0325358	0.03353612	0.03842098	0.10594648
SR22	0.03965412	0.05358808	0.04357253	0.0446562	0.04910705	0.05358808	0.14777001
SR23	0.06487588	0.08711453	0.07217935	0.0741353	0.07722471	0.08711453	0.24021975
SR24	0.0304578	0.03307038	0.03063934	0.0405286	0.04132845	0.04132845	0.11396388
SR25	0.03826837	0.0377231	0.04726163	0.0441531	0.04898846	0.04898846	0.13508648
SR26	0.05114757	0.05097877	0.06021815	0.0599849	0.06247994	0.06247994	0.17228946
SR27	0.06479151	0.06603743	0.06747776	0.0764970	0.07733044	0.07733044	0.21323996
SR28	0.05875028	0.0789742	0.06540338	0.0673823	0.07088596	0.0789742	0.21777265
SR29	0.06838376	0.07000274	0.06817457	0.0809304	0.08266208	0.08266208	0.22794204
SR30	0.0669116	0.08878024	0.07430103	0.0762147	0.07926498	0.08878024	0.24481297
SR31	0.06976303	0.07180336	0.069131	0.0830521	0.08577138	0.08577138	0.23651599
SR32	0.05480381	0.05696094	0.05885029	0.0670173	0.07221825	0.07221825	0.19914301
SR33	0.05316038	0.05516706	0.05762093	0.0651072	0.07040937	0.07040937	0.19415500
SR34	0.05312195	0.0550862	0.05859857	0.0651596	0.07081518	0.07081518	0.19527402
SR35	0.06128175	0.06400529	0.0699088	0.0749974	0.08219459	0.08219459	0.22665293
SR36	0.06088715	0.06341482	0.07057469	0.0745336	0.08191048	0.08191048	0.22586950
SR37	0.06318603	0.065802	0.07398459	0.0772187	0.08499376	0.08499376	0.23437169
SR38	0.0690698	0.07174303	0.08116491	0.0839824	0.09220358	0.09220358	0.25425289
SR39	0.06804186	0.07067193	0.0802589	0.0828081	0.09101803	0.09101803	0.25098371
SR40	0.06388829	0.06635786	0.07573595	0.0780263	0.08601208	0.08601208	0.23717972
SR41	0.06461005	0.0668313	0.07769215	0.0788538	0.08708607	0.08708607	0.24014127
SR42	0.05187367	0.05307769	0.06168952	0.0640347	0.07059369	0.07059369	0.19466326
SR43	0.04597373	0.04641877	0.05429871	0.0567031	0.06281917	0.06281917	0.17322489

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SR44	0.0614064	0.06301841	0.07513886	0.0751729	0.0832753	0.0832753	0.22963301
SR45	0.05846563	0.06013048	0.07203105	0.0718260	0.07955202	0.07955202	0.21936600
SR46	0.06407405	0.06579928	0.07956698	0.0783240	0.08696426	0.08696426	0.23980538
SR47	0.0661314	0.06782018	0.082337	0.0807197	0.08962863	0.08962863	0.24715242
SR48	0.05862562	0.06058641	0.07344126	0.0720555	0.08011361	0.08011361	0.22091460
SR49	0.05512722	0.05782062	0.07077873	0.0674177	0.07595093	0.07595093	0.20943594
SR50	0.05445449	0.0584841	0.07846603	0.0671159	0.0757962	0.07846603	0.21637137
SR51	0.05120622	0.05478609	0.07312443	0.0652452	0.0709559	0.07312443	0.20164182
SR52	0.04990286	0.05323026	0.07101446	0.0644946	0.06879044	0.07101446	0.19582354
SR53	0.05213843	0.05513569	0.07310594	0.0671462	0.0712061	0.07310594	0.20159083
SR54	0.0439451	0.04769165	0.06342023	0.0579736	0.06097097	0.06342023	0.17488233
SR55	0.03500677	0.03939662	0.05032361	0.0443658	0.04802904	0.05032361	0.13876818
SR56	0.02793089	0.03552007	0.03903373	0.0303078	0.0348489	0.03903373	0.10763615
SR57	0.02242508	0.02628662	0.0270533	0.0236843	0.02427154	0.0270533	0.07459992
SR58	0.03022091	0.03934727	0.02830975	0.0292287	0.02766715	0.03934727	0.10850074
SR59	0.03280651	0.03398465	0.02971725	0.0275576	0.03077697	0.03398465	0.09371323
SR60	0.0316299	0.03101331	0.02886249	0.0261686	0.02950874	0.0316299	0.08721997
SR61	0.03134625	0.02877043	0.03538665	0.0258226	0.02700691	0.03538665	0.09757927
SR62	0.04788993	0.05394544	0.0463535	0.0447460	0.0511103	0.05394544	0.14875544
SR63	0.06254103	0.0606453	0.05058135	0.0522453	0.05411659	0.06254103	0.17245792
SR64	0.06838061	0.06072717	0.05264251	0.0509311	0.0567108	0.06838061	0.18856066
SR65	0.05169129	0.05138524	0.04907084	0.0446377	0.05116018	0.05169129	0.14253958
SR66	0.04192037	0.04998544	0.04758962	0.0420581	0.05035831	0.05035831	0.13886387
SR67	0.0404327	0.04529654	0.0486306	0.0415858	0.05310733	0.05310733	0.14644434
SR68	0.04330597	0.04724041	0.05727353	0.0490447	0.06243373	0.06243373	0.17216204
SR69	0.0421302	0.05031277	0.04925092	0.0448358	0.06087268	0.06087268	0.16785742
SR70	0.01312028	0.01622384	0.01643168	0.0136176	0.01413555	0.01643168	0.04531063
SR71	0.01985936	0.02209704	0.02209103	0.0182951	0.01687384	0.02209704	0.06093295
SR72	0.00924524	0.01291527	0.00909177	0.0082396	0.01225395	0.01291527	0.03561407
SR73	0.00985931	0.01045472	0.01170702	0.0090281	0.0096849	0.01170702	0.03228230
SR74	0.01118912	0.0128815	0.0097532	0.0096548	0.01004579	0.0128815	0.03552095
CR1	0.0332264	0.0344444	0.03214731	0.0354995	0.02971073	0.03549945	0.09789032
CR2	0.02334958	0.02368913	0.02080366	0.0221064	0.01797396	0.02368913	0.06532317

Maximum : **0.254** **SR38**

First Highest Annual Average (ppm)*(10)^3

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum (µg/m^3)
SR1	0.004762	0.004643	0.005146	0.004845	0.004521	0.00514636	0.01419117
SR2	0.00566491	0.005373	0.005875	0.005909	0.005409	0.00590906	0.01629433
SR3	0.00586689	0.005544	0.005936	0.006158	0.005784	0.00615751	0.01697944
SR4	0.00950538	0.008934	0.009411	0.009871	0.009353	0.00987134	0.02722038
SR5	0.01037163	0.009781	0.010277	0.010820	0.010222	0.01082006	0.02983649
SR6	0.00932826	0.008816	0.009266	0.009686	0.009213	0.00968641	0.02671043
SR7	0.01368501	0.013006	0.013687	0.014327	0.013537	0.01432692	0.03950672
SR8	0.01076572	0.010167	0.010646	0.011116	0.010614	0.01111628	0.03065332
SR9	0.02040398	0.019411	0.020208	0.021253	0.020255	0.02125305	0.05860563
SR10	0.0221464	0.021194	0.022321	0.023244	0.022241	0.02324378	0.06409511
SR11	0.01952944	0.018789	0.019714	0.020492	0.019700	0.02049216	0.05650747
SR12	0.02214742	0.021367	0.022227	0.023189	0.022290	0.02318941	0.06394518
SR13	0.02105898	0.020383	0.021156	0.022073	0.021177	0.02207345	0.06086790
SR14	0.01019345	0.011037	0.010285	0.010909	0.010618	0.01103743	0.03043589
SR15	0.00831632	0.008978	0.008372	0.008897	0.008645	0.00897799	0.02475696
SR16	0.0072306	0.007822	0.007280	0.007740	0.007524	0.00782155	0.02156805
SR17	0.00642673	0.006965	0.006473	0.006885	0.006694	0.00696471	0.01920530
SR18	0.00533849	0.005836	0.005395	0.005731	0.005578	0.00583595	0.01609273
SR19	0.0085183	0.008934	0.008496	0.009233	0.008984	0.00923267	0.02545924
SR20	0.0101238	0.010557	0.010060	0.010982	0.010657	0.01098244	0.03028426
SR21	0.01120181	0.011699	0.011131	0.012142	0.011764	0.01214241	0.03348290
SR22	0.01182241	0.012772	0.011873	0.012623	0.012413	0.01277158	0.03521784
SR23	0.01951378	0.021149	0.019635	0.020670	0.020440	0.02114936	0.05831971
SR24	0.01060086	0.010173	0.010657	0.011194	0.010610	0.01119414	0.03086803
SR25	0.01301701	0.012551	0.013200	0.013782	0.013187	0.01378164	0.03800310
SR26	0.01757672	0.017045	0.017721	0.018491	0.017734	0.01849139	0.05099031
SR27	0.02210712	0.021418	0.022112	0.023125	0.022102	0.02312459	0.06376644

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SR28	0.01763829	0.019098	0.017701	0.018670	0.018503	0.01909781	0.05266253
SR29	0.02362363	0.022804	0.023542	0.024626	0.023612	0.02462602	0.06790666
SR30	0.02028776	0.021949	0.020348	0.021415	0.021257	0.02194929	0.06052553
SR31	0.0244187	0.023550	0.024272	0.025426	0.024354	0.02542559	0.07011148
SR32	0.01925574	0.018477	0.019220	0.020163	0.019225	0.02016333	0.05560071
SR33	0.01864193	0.017880	0.018620	0.019536	0.018624	0.01953593	0.05387065
SR34	0.01866337	0.017899	0.018662	0.019575	0.018657	0.0195754	0.05397949
SR35	0.02194522	0.021093	0.021959	0.023015	0.021940	0.02301496	0.06346413
SR36	0.0217889	0.020942	0.021826	0.022868	0.021799	0.02286768	0.06305800
SR37	0.02268356	0.021817	0.022731	0.023811	0.022704	0.02381076	0.06565856
SR38	0.02487245	0.023951	0.024933	0.026099	0.024899	0.0260987	0.07196759
SR39	0.02449238	0.023582	0.024557	0.025707	0.024524	0.02570669	0.07088662
SR40	0.02293965	0.022068	0.023006	0.024090	0.022974	0.02409047	0.06642987
SR41	0.02319363	0.022317	0.023281	0.024369	0.023245	0.02436923	0.06719855
SR42	0.0182614	0.017508	0.018340	0.019215	0.018314	0.01921505	0.05298582
SR43	0.01589308	0.015206	0.015974	0.016749	0.015956	0.01674894	0.04618548
SR44	0.02192561	0.021077	0.022038	0.023060	0.021997	0.02305954	0.06358706
SR45	0.02077209	0.019952	0.020893	0.021859	0.020854	0.02185949	0.06027790
SR46	0.02293151	0.022059	0.023062	0.024120	0.023025	0.02412049	0.06651265
SR47	0.02371172	0.022819	0.023848	0.024936	0.023811	0.02493602	0.06876149
SR48	0.02084087	0.020018	0.020976	0.021938	0.020945	0.02193834	0.06049533
SR49	0.01963777	0.018842	0.019765	0.020672	0.019757	0.02067194	0.05700321
SR50	0.01981342	0.019098	0.020019	0.020903	0.019992	0.02090282	0.05763987
SR51	0.01845064	0.017764	0.018684	0.019436	0.018625	0.01943553	0.05359379
SR52	0.01795406	0.017267	0.018174	0.018884	0.018111	0.01888415	0.05207335
SR53	0.01873202	0.018011	0.018944	0.019663	0.018876	0.0196633	0.05422187
SR54	0.01587142	0.015225	0.016056	0.016646	0.016003	0.01664602	0.04590167
SR55	0.01235162	0.011819	0.012479	0.012946	0.012455	0.01294623	0.03569944
SR56	0.00960855	0.009141	0.009642	0.009976	0.009631	0.00997618	0.02750948
SR57	0.00695829	0.006530	0.006951	0.007184	0.006931	0.00718358	0.01980884
SR58	0.0086502	0.008434	0.008466	0.008964	0.008857	0.0089643	0.02471920
SR59	0.00741782	0.007224	0.007286	0.007768	0.007580	0.00776806	0.02142055
SR60	0.006943	0.006757	0.006831	0.007287	0.007098	0.00728652	0.02009270
SR61	0.00650559	0.006347	0.006544	0.006923	0.006730	0.0069227	0.01908946
SR62	0.01154829	0.012662	0.011915	0.012409	0.011910	0.01266228	0.03491645
SR63	0.01307878	0.014368	0.013396	0.013995	0.013465	0.01436772	0.03961922
SR64	0.01394055	0.015309	0.014231	0.014844	0.014253	0.01530909	0.04221507
SR65	0.01207694	0.013143	0.012343	0.012793	0.012355	0.01314341	0.03624317
SR66	0.01147701	0.012413	0.011638	0.012063	0.011718	0.01241337	0.03423007
SR67	0.01143106	0.012317	0.011668	0.012105	0.011781	0.01231708	0.03396455
SR68	0.01249546	0.013377	0.012702	0.013348	0.012945	0.01337677	0.03688666
SR69	0.01193432	0.012796	0.012188	0.012879	0.012435	0.01287897	0.03551397
SR70	0.00454376	0.004427	0.004495	0.004720	0.004621	0.00472018	0.01301597
SR71	0.00528425	0.005291	0.005323	0.005550	0.005413	0.00555014	0.01530460
SR72	0.0027504	0.002976	0.002748	0.002854	0.002835	0.00297568	0.00820549
SR73	0.00248826	0.002408	0.002438	0.002657	0.002517	0.00265694	0.00732656
SR74	0.00277993	0.002990	0.002838	0.003027	0.002973	0.00302711	0.00834731
CR1	0.00974661	0.010149	0.009725	0.010610	0.010206	0.01060964	0.02925626
CR2	0.00532437	0.005711	0.005423	0.005815	0.005604	0.00581504	0.01603507

Maximum : **0.072** **SR38**

First Highest 10-min Average (ppm)*(10)^3

Receptor ID	2017	2018	2019	2020	2021	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.268295276	0.334795814	0.344736444	0.44105309	0.396259067	0.44105309	1.21621115
SR2	0.280045636	0.337067306	0.343655858	0.449243115	0.398948228	0.449243115	1.23879528
SR3	0.295974657	0.306929812	0.322558423	0.426810431	0.378265158	0.426810431	1.17693678
SR4	0.337810818	0.418913054	0.434669822	0.553089016	0.495729446	0.553089016	1.52515205
SR5	0.365662452	0.461299831	0.480010662	0.603545587	0.545846465	0.603545587	1.66428688
SR6	0.38955491	0.353329603	0.424497155	0.504798737	0.461030799	0.504798737	1.39199082
SR7	0.506442819	0.605561921	0.628707564	0.806579457	0.716418335	0.806579457	2.22415611
SR8	0.367834193	0.396775826	0.397659386	0.456383107	0.47341022	0.47341022	1.30543647
SR9	0.580283512	0.610357258	0.786316863	0.685540136	0.653346672	0.786316863	2.16828168
SR10	0.604152353	0.739494945	0.743381618	0.702009202	0.707838057	0.743381618	2.04988703
SR11	0.513621457	0.52700087	0.55289199	0.521472921	0.756724203	0.756724203	2.08667943

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SR12	0.576968262	0.650605818	0.555638459	0.696922373	0.817282426	0.817282426	2.25366973
SR13	0.558843387	0.630167833	0.524278183	0.686167051	0.771155135	0.771155135	2.12647296
SR14	0.386058158	0.391272154	0.341227636	0.391272154	0.469736261	0.469736261	1.29530546
SR15	0.299344737	0.313477076	0.264204806	0.313477076	0.376205719	0.376205719	1.03739346
SR16	0.251884839	0.270226227	0.222168646	0.270226227	0.324259813	0.324259813	0.89415176
SR17	0.206584791	0.228241099	0.184309331	0.228241099	0.273803407	0.273803407	0.75501740
SR18	0.159816878	0.19517002	0.151476896	0.182070373	0.218379246	0.218379246	0.60218436
SR19	0.171315381	0.193026519	0.190729263	0.191010516	0.229567595	0.229567595	0.63303642
SR20	0.207491638	0.228240769	0.223455341	0.228240769	0.274235774	0.274235774	0.75620965
SR21	0.250243564	0.267709319	0.230565275	0.267709319	0.32162829	0.32162829	0.88689530
SR22	0.449890509	0.447428431	0.39896755	0.449890509	0.537676093	0.537676093	1.48265067
SR23	0.718317081	0.692387315	0.637013195	0.718317081	0.832037055	0.832037055	2.29435586
SR24	0.241604162	0.295728416	0.294698367	0.352996988	0.311680723	0.352996988	0.97339500
SR25	0.31721214	0.339200733	0.366423469	0.412725491	0.447145692	0.447145692	1.23301160
SR26	0.435563457	0.491851855	0.464579738	0.558876583	0.618112769	0.618112769	1.70445612
SR27	0.532702723	0.601186399	0.578496408	0.711329689	0.686582737	0.711329689	1.96150331
SR28	0.659238614	0.638448691	0.584621049	0.659238614	0.767220072	0.767220072	2.11562196
SR29	0.515573712	0.581775985	0.607428297	0.748997758	0.663939319	0.748997758	2.06537363
SR30	0.737087202	0.710321439	0.657723019	0.737087202	0.853587005	0.853587005	2.35378020
SR31	0.49000315	0.569312997	0.62021366	0.765156174	0.646724264	0.765156174	2.10993073
SR32	0.425328031	0.46514307	0.506761727	0.607432095	0.541174661	0.607432095	1.67500399
SR33	0.414966265	0.451554244	0.491961185	0.586526236	0.527821177	0.586526236	1.61735574
SR34	0.414911931	0.454896744	0.489785315	0.581927099	0.527358423	0.581927099	1.60467354
SR35	0.467375091	0.54444499	0.55696545	0.670301118	0.608707395	0.670301118	1.84836635
SR36	0.464132838	0.552003145	0.563429147	0.65915257	0.620141489	0.65915257	1.81762405
SR37	0.478055765	0.576501048	0.59125799	0.68049476	0.656253337	0.68049476	1.87647549
SR38	0.525579411	0.627529539	0.647787014	0.737128985	0.731887409	0.737128985	2.03264530
SR39	0.520244029	0.620982275	0.641274597	0.725095391	0.723748251	0.725095391	1.99946246
SR40	0.489947494	0.588959908	0.607133171	0.680283531	0.67873953	0.680283531	1.87589302
SR41	0.508445445	0.601819919	0.624095875	0.67555508	0.705069624	0.705069624	1.94424108
SR42	0.40544545	0.492000161	0.504344405	0.565376283	0.542976959	0.565376283	1.55903439
SR43	0.3647452	0.440176302	0.4493792	0.504883294	0.470109338	0.504883294	1.39222398
SR44	0.497295577	0.582531553	0.60704432	0.642532556	0.688257042	0.688257042	1.89788011
SR45	0.478706296	0.560745106	0.584765722	0.613607273	0.660685341	0.660685341	1.82185069
SR46	0.532049879	0.609876997	0.63971821	0.657334253	0.740904842	0.740904842	2.04305728
SR47	0.552315612	0.627876522	0.660074941	0.671333479	0.771584364	0.771584364	2.12765657
SR48	0.492329803	0.567704092	0.595031205	0.600091445	0.681846689	0.681846689	1.88020346
SR49	0.477139505	0.547383199	0.575001473	0.527059168	0.660023249	0.660023249	1.82002496
SR50	0.546154472	0.606174963	0.642263194	0.567093692	0.766195638	0.766195638	2.11279707
SR51	0.524208489	0.558213665	0.601898532	0.524208489	0.739975205	0.739975205	2.04049379
SR52	0.508974591	0.536372388	0.580378309	0.508974591	0.72002326	0.72002326	1.98547598
SR53	0.52080092	0.539213158	0.585747382	0.52080092	0.742664366	0.742664366	2.04790920
SR54	0.45882388	0.482719146	0.521526595	0.453438787	0.636297759	0.636297759	1.75460153
SR55	0.417742956	0.427603323	0.436175178	0.383141254	0.483821697	0.483821697	1.33414628
SR56	0.392890969	0.373940502	0.350253492	0.322592774	0.392965287	0.392965287	1.08360824
SR57	0.338092401	0.290744146	0.303087894	0.381344736	0.301967342	0.381344736	1.05156438
SR58	0.485511526	0.487714812	0.396569552	0.485469578	0.547534478	0.547534478	1.50983532
SR59	0.574924513	0.515395348	0.484546051	0.656639626	0.698437637	0.698437637	1.92595327
SR60	0.553858622	0.50605108	0.482090745	0.653311825	0.685774816	0.685774816	1.89103533
SR61	0.511076143	0.576365789	0.523241197	0.709071738	0.659735555	0.709071738	1.95527698
SR62	0.711744384	0.53919367	0.496730594	0.53919367	0.499028015	0.711744384	1.96264684
SR63	0.833973621	0.556688657	0.512847887	0.566985188	0.588743559	0.833973621	2.29969597
SR64	0.6536342	0.540084166	0.540084166	0.588197569	0.530728007	0.6536342	1.80240705
SR65	0.653689361	0.434671309	0.392637626	0.444417225	0.458601256	0.653689361	1.80255916
SR66	0.62222504	0.430154252	0.396278224	0.430154252	0.435130265	0.62222504	1.71579578
SR67	0.518904321	0.387192914	0.356700179	0.387192914	0.361254395	0.518904321	1.43088720
SR68	0.421063821	0.33191772	0.305778211	0.33191772	0.292116224	0.421063821	1.16109041
SR69	0.351905998	0.469519913	0.401729048	0.30535658	0.39511209	0.469519913	1.29470888
SR70	0.179772456	0.197354478	0.157795755	0.187325987	0.201278971	0.201278971	0.55503007
SR71	0.230916552	0.236860683	0.187604433	0.255179115	0.268481402	0.268481402	0.74034188
SR72	0.145932432	0.145932432	0.13036278	0.142480932	0.154859032	0.154859032	0.42702633
SR73	0.171301013	0.147587249	0.139680954	0.167209882	0.192820906	0.192820906	0.53170682
SR74	0.152235601	0.13905949	0.122374405	0.13905949	0.152235601	0.152235601	0.41979217
CR1	0.277866298	0.255386049	0.250557682	0.221721581	0.226680253	0.277866298	0.76622088
CR2	0.230539181	0.162647408	0.181442302	0.185360025	0.150043877	0.230539181	0.63571558
					Maximum :	**2.354**	**SR30**

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Benzo(a)pyrene

						Conversion Factor	1000000
						Molecular Weight	252.31
	First Highest 24-Hour Average (ppm)*(10)^6						
	2018	2019	2020	2021	2022	5-year Maximum	
Receptor ID						ppm	(µg/m^3)
SR1	0.0010507	0.00119149	0.001073	0.00151078	0.001125840	0.00151078	1.6406E-05
SR2	0.00112875	0.00120207	0.001155	0.00152543	0.001142800	0.00152543	1.6565E-05
SR3	0.0011002	0.00116815	0.001086	0.00145627	0.001193410	0.00145627	1.5814E-05
SR4	0.00135185	0.0014995	0.001249	0.00172394	0.001548710	0.00172394	1.8721E-05
SR5	0.00138961	0.00166006	0.001323	0.00186532	0.001679030	0.00186532	2.0256E-05
SR6	0.00121477	0.00161316	0.001393	0.00194048	0.001592040	0.00194048	2.1072E-05
SR7	0.00175311	0.00231513	0.001779	0.00253638	0.002215100	0.00253638	2.7543E-05
SR8	0.00134587	0.00166737	0.001583	0.0021105	0.001736870	0.0021105	2.2918E-05
SR9	0.00213438	0.00219641	0.002244	0.00252769	0.003048670	0.00304867	3.3106E-05
SR10	0.00233509	0.00243452	0.002884	0.00270678	0.00322244	0.00322244	3.4993E-05
SR11	0.00212173	0.0022061	0.002743	0.00231749	0.00263665	0.00274275	2.9784E-05
SR12	0.00241607	0.00251689	0.002942	0.00256339	0.00288566	0.00294212	3.1949E-05
SR13	0.002311	0.00233198	0.002765	0.00251051	0.0027635	0.00276528	3.0029E-05
SR14	0.00139598	0.00185543	0.001587	0.00157854	0.00177791	0.00185543	2.0148E-05
SR15	0.00114744	0.00152135	0.001319	0.00127347	0.00149568	0.00152135	1.6521E-05
SR16	0.00099792	0.00134705	0.001162	0.00108945	0.00133341	0.00134705	1.4628E-05
SR17	0.00089367	0.00120824	0.001048	0.00098075	0.00123071	0.00123071	1.3365E-05
SR18	0.00077038	0.0010499	0.000886	0.00085815	0.00109082	0.00109082	1.1845E-05
SR19	0.00106238	0.00114287	0.001063	0.00107	0.00097096	0.00114287	1.2411E-05
SR20	0.00121901	0.00134179	0.001218	0.00124168	0.0011895	0.00134179	1.4571E-05
SR21	0.00134916	0.00151666	0.001310	0.0013423	0.00131855	0.00151666	1.6470E-05
SR22	0.00149451	0.0020197	0.001637	0.0016795	0.00184482	0.0020197	2.1932E-05
SR23	0.00243565	0.00327177	0.002708	0.00278218	0.0028987	0.00327177	3.5529E-05
SR24	0.00117071	0.00131552	0.001167	0.00158591	0.00158128	0.00158591	1.7222E-05
SR25	0.00146107	0.00144752	0.001816	0.00166048	0.00186036	0.00186036	2.0202E-05
SR26	0.00194097	0.00191427	0.002287	0.00225448	0.00235529	0.00235529	2.5577E-05
SR27	0.002445	0.00247889	0.002541	0.00287084	0.0029048	0.0029048	3.1544E-05
SR28	0.00220497	0.00296599	0.002453	0.00252832	0.00266106	0.00296599	3.2208E-05
SR29	0.00257615	0.00262754	0.002562	0.00303663	0.00310422	0.00310422	3.3709E-05
SR30	0.00251055	0.00333335	0.002787	0.00285918	0.00297514	0.00333335	3.6198E-05
SR31	0.00262406	0.00269512	0.002596	0.00311624	0.00322025	0.00322025	3.4969E-05
SR32	0.00205714	0.00213911	0.002211	0.00251587	0.00271096	0.00271096	2.9439E-05
SR33	0.0019954	0.00207194	0.002165	0.0024444	0.00264312	0.00264312	2.8702E-05
SR34	0.00199376	0.00206906	0.002201	0.0024466	0.00265823	0.00265823	2.8866E-05
SR35	0.00229958	0.00240358	0.002624	0.00281557	0.00308477	0.00308477	3.3498E-05
SR36	0.00228466	0.00238166	0.002649	0.0027985	0.0030741	0.0030741	3.3382E-05
SR37	0.00237081	0.00247127	0.002777	0.00289932	0.00318969	0.00318969	3.4637E-05
SR38	0.00259138	0.00269408	0.003046	0.003153	0.00345998	0.00345998	3.7573E-05
SR39	0.0025528	0.00265406	0.003012	0.00310915	0.00341555	0.00341555	3.7090E-05
SR40	0.00239704	0.00249235	0.002842	0.00292991	0.00322783	0.00322783	3.5052E-05
SR41	0.00242401	0.00251055	0.002915	0.00296153	0.00326823	0.00326823	3.5490E-05
SR42	0.00194643	0.00199509	0.002315	0.0024062	0.00265005	0.00265005	2.8777E-05
SR43	0.00172505	0.0017409	0.002038	0.00213197	0.00235878	0.00235878	2.5614E-05
SR44	0.00230368	0.00236423	0.002819	0.00282459	0.00312562	0.00312562	3.3942E-05
SR45	0.00219328	0.00225483	0.002703	0.00269967	0.00298618	0.00298618	3.2428E-05
SR46	0.00240348	0.0024673	0.002985	0.00294366	0.00326416	0.00326416	3.5446E-05
SR47	0.00248055	0.00254305	0.003089	0.00303371	0.00336409	0.00336409	3.6531E-05
SR48	0.00219903	0.00227184	0.002755	0.00270919	0.00300743	0.00300743	3.2658E-05
SR49	0.00206762	0.00216809	0.002655	0.00253586	0.00285111	0.00285111	3.0961E-05
SR50	0.00204181	0.00219335	0.002943	0.00252579	0.00284396	0.0029431	3.1960E-05
SR51	0.00192128	0.00205466	0.002743	0.00245684	0.00266156	0.00274275	2.9784E-05
SR52	0.00187281	0.00199632	0.002664	0.00242914	0.00258011	0.00266362	2.8925E-05
SR53	0.00195706	0.00206778	0.002742	0.00252891	0.0026705	0.00274198	2.9776E-05
SR54	0.00165025	0.0017938	0.002379	0.00218473	0.00228667	0.0023789	2.5833E-05
SR55	0.00132324	0.00149006	0.001888	0.00167383	0.00180145	0.00188802	2.0502E-05
SR56	0.00105481	0.00134452	0.001465	0.00114285	0.00130732	0.00146489	1.5908E-05
SR57	0.0008543	0.00099674	0.001016	0.00088833	0.00091909	0.00101593	1.1032E-05
SR58	0.0011338	0.00147577	0.001062	0.00109619	0.00103811	0.00147577	1.6026E-05
SR59	0.00123075	0.00127469	0.001115	0.00103367	0.00115467	0.00127469	1.3842E-05
SR60	0.00118663	0.00116328	0.001083	0.00098159	0.0011071	0.00118663	1.2886E-05

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SR61	0.00117599	0.00108493	0.001327	0.00096867	0.00101328	0.00132736	1.4414E-05
SR62	0.00181058	0.0022295	0.001941	0.00176178	0.00210625	0.0022295	2.4211E-05
SR63	0.00242313	0.00249432	0.002108	0.00207348	0.00222192	0.00249432	2.7086E-05
SR64	0.00265434	0.00247367	0.002158	0.0020125	0.00229287	0.00265434	2.8824E-05
SR65	0.00201286	0.00203657	0.001920	0.00174845	0.00201906	0.00203657	2.2116E-05
SR66	0.00163652	0.00193107	0.001801	0.0016226	0.00195478	0.00195478	2.1227E-05
SR67	0.00149097	0.00171582	0.001795	0.00153135	0.00203308	0.00203308	2.2078E-05
SR68	0.00155111	0.00164185	0.001967	0.00168688	0.0022236	0.0022236	2.4147E-05
SR69	0.00157682	0.00195478	0.002023	0.00177056	0.00244076	0.00244076	2.6505E-05
SR70	0.00051413	0.00062131	0.000640	0.00052937	0.00055483	0.00063997	6.9496E-06
SR71	0.00083764	0.00090599	0.000927	0.00076288	0.00071648	0.00092659	1.0062E-05
SR72	0.00033578	0.00046087	0.000342	0.00031473	0.00043292	0.00046087	5.0047E-06
SR73	0.00039173	0.00041215	0.000487	0.00037283	0.00039855	0.00048712	5.2897E-06
SR74	0.000446	0.00050694	0.000392	0.00038347	0.00039127	0.00050694	5.5050E-06
CR1	0.00132484	0.00134449	0.001293	0.00139553	0.00116414	0.00139553	1.5154E-05
CR2	0.00091618	0.00093124	0.000842	0.00089479	0.00073696	0.00093124	1.0113E-05

Maximum : **3.76E-05** **SR38**

First Highest Annual Average (ppm)*(10)^6

Receptor ID	2018	2019	2020	2021	2022	5-year Maximum ppm	5-year Maximum ($\mu g/m^3$)
SR1	0.00018028	0.00017577	0.00019483	0.0001834	0.00017115	0.00019483	2.1157E-06
SR2	0.00021448	0.00020341	0.00022241	0.0002237	0.00020479	0.0002237	2.4292E-06
SR3	0.00022212	0.00020991	0.00022471	0.0002331	0.00021898	0.0002331	2.5313E-06
SR4	0.00035993	0.00033827	0.00035633	0.00037376	0.00035414	0.00037376	4.0587E-06
SR5	0.00039273	0.00037037	0.00038914	0.00040969	0.00038706	0.00040969	4.4489E-06
SR6	0.00035319	0.0003338	0.00035083	0.00036672	0.0003488	0.00036672	3.9823E-06
SR7	0.0005182	0.00049249	0.00051825	0.00054248	0.00051259	0.00054248	5.8909E-06
SR8	0.00040762	0.00038495	0.00040306	0.00042085	0.00040188	0.00042085	4.5701E-06
SR9	0.00077255	0.00073492	0.00076509	0.00080463	0.00076687	0.00080463	8.7376E-06
SR10	0.00083847	0.00080236	0.00084501	0.00087995	0.00084202	0.00087995	9.5556E-06
SR11	0.00073805	0.00071005	0.00074495	0.00077471	0.00074469	0.00077471	8.4127E-06
SR12	0.000835	0.00080562	0.00083784	0.00087466	0.00084074	0.00087466	9.4981E-06
SR13	0.00078897	0.00076413	0.00079294	0.00082717	0.00079362	0.00082717	8.9824E-06
SR14	0.00039592	0.00042798	0.00039937	0.00042297	0.0004116	0.00042798	4.6475E-06
SR15	0.00032835	0.00035372	0.00033046	0.00035045	0.00034026	0.00035372	3.8411E-06
SR16	0.00028622	0.00030899	0.0002881	0.00030553	0.00029682	0.00030899	3.3554E-06
SR17	0.0002567	0.00027761	0.00025844	0.00027408	0.0002663	0.00027761	3.0146E-06
SR18	0.00021282	0.00023235	0.00021496	0.00022757	0.00022148	0.00023235	2.5231E-06
SR19	0.0003616	0.00037685	0.00036003	0.00039163	0.00038097	0.00039163	4.2528E-06
SR20	0.00043184	0.00044744	0.00042831	0.00046838	0.00045419	0.00046838	5.0862E-06
SR21	0.00047519	0.00049319	0.00047131	0.00051522	0.00049873	0.00051522	5.5949E-06
SR22	0.00045283	0.00048808	0.0004543	0.00048342	0.00047538	0.00048808	5.3002E-06
SR23	0.0007367	0.00079778	0.00074094	0.00078038	0.00077171	0.00079778	8.6633E-06
SR24	0.00041362	0.0003979	0.00041545	0.00043662	0.0004136	0.00043662	4.7413E-06
SR25	0.00050036	0.00048313	0.00050747	0.00053022	0.00050754	0.00053022	5.7578E-06
SR26	0.00066785	0.00064824	0.00067358	0.00070314	0.00067442	0.00070314	7.6355E-06
SR27	0.00083336	0.00080769	0.00083357	0.000872	0.00083347	0.000872	9.4692E-06
SR28	0.00066497	0.0007196	0.00066714	0.00070381	0.00069755	0.0007196	7.8143E-06
SR29	0.00088889	0.00085823	0.00088575	0.00092659	0.00088858	0.00092659	1.0062E-05

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SR30	0.0007635	0.00082579	0.00076568	0.00080589	0.0007999	0.00082579	8.9674E-06
SR31	0.00091802	0.00088555	0.00091247	0.00095581	0.0009157	0.00095581	1.0379E-05
SR32	0.00072283	0.00069366	0.00072151	0.00075689	0.0007217	0.00075689	8.2192E-06
SR33	0.00069973	0.0006712	0.00069893	0.00073329	0.00069908	0.00073329	7.9629E-06
SR34	0.00070043	0.00067181	0.00070039	0.00073467	0.0007002	0.00073467	7.9779E-06
SR35	0.00082339	0.00079149	0.00082393	0.00086355	0.00082321	0.00086355	9.3775E-06
SR36	0.00081746	0.00078572	0.00081889	0.00085796	0.00081786	0.00085796	9.3168E-06
SR37	0.00085097	0.00081851	0.0008528	0.00089329	0.00085179	0.00089329	9.7004E-06
SR38	0.00093302	0.00089851	0.00093533	0.00097905	0.00093406	0.00097905	1.0632E-05
SR39	0.00091876	0.00088466	0.00092122	0.00096434	0.00091999	0.00096434	1.0472E-05
SR40	0.00086053	0.00082787	0.00086304	0.00090374	0.00086185	0.00090374	9.8139E-06
SR41	0.00087001	0.00083716	0.00087334	0.00091415	0.00087198	0.00091415	9.9269E-06
SR42	0.0006851	0.00065689	0.0006881	0.00072092	0.0006871	0.00072092	7.8286E-06
SR43	0.00059629	0.00057055	0.00059939	0.00062844	0.0005987	0.00062844	6.8244E-06
SR44	0.00082244	0.00079067	0.00082669	0.00086502	0.00082514	0.00086502	9.3934E-06
SR45	0.00077919	0.00074847	0.00078378	0.00082002	0.00078232	0.00082002	8.9048E-06
SR46	0.00086015	0.00082747	0.00086511	0.00090479	0.0008637	0.00090479	9.8253E-06
SR47	0.0008894	0.00085599	0.00089457	0.00093536	0.00089318	0.00093536	1.0157E-05
SR48	0.00078178	0.00075098	0.0007869	0.00082299	0.00078574	0.00082299	8.9370E-06
SR49	0.00073672	0.00070694	0.00074153	0.00077554	0.00074123	0.00077554	8.4217E-06
SR50	0.00074346	0.00071665	0.00075119	0.00078426	0.0007501	0.00078426	8.5164E-06
SR51	0.00069249	0.00066673	0.00070121	0.0007293	0.0006989	0.0007293	7.9196E-06
SR52	0.00067391	0.00064812	0.00068214	0.00070864	0.00067969	0.00070864	7.6953E-06
SR53	0.00070312	0.00067607	0.00071108	0.00073787	0.0007084	0.00073787	8.0127E-06
SR54	0.00059589	0.00057163	0.00060281	0.00062475	0.0006007	0.00062475	6.7843E-06
SR55	0.0004639	0.00044389	0.00046868	0.00048602	0.00046765	0.00048602	5.2778E-06
SR56	0.00036104	0.00034348	0.00036234	0.00037467	0.00036183	0.00037467	4.0686E-06
SR57	0.00026164	0.00024552	0.00026142	0.00026996	0.00026058	0.00026996	2.9315E-06
SR58	0.00032693	0.00031875	0.00032014	0.00033836	0.00033443	0.00033836	3.6743E-06
SR59	0.00028041	0.00027314	0.0002756	0.00029326	0.00028636	0.00029326	3.1846E-06
SR60	0.00026266	0.00025575	0.00025858	0.00027528	0.00026835	0.00027528	2.9893E-06
SR61	0.00024606	0.00024018	0.00024762	0.00026145	0.00025434	0.00026145	2.8391E-06
SR62	0.0004602	0.00050349	0.00047304	0.00049487	0.00047565	0.00050349	5.4675E-06
SR63	0.00052115	0.00057136	0.00053228	0.00055846	0.00053723	0.00057136	6.2045E-06
SR64	0.00054681	0.00060068	0.00055786	0.00058481	0.00056085	0.00060068	6.5229E-06
SR65	0.00046472	0.00050602	0.00047399	0.00049412	0.0004773	0.00050602	5.4950E-06
SR66	0.00043389	0.00047001	0.00043946	0.00045846	0.00044522	0.00047001	5.1039E-06
SR67	0.00042004	0.0004536	0.00042839	0.00044809	0.00043522	0.0004536	4.9257E-06
SR68	0.00045564	0.00048728	0.00046373	0.00048853	0.00047185	0.00048853	5.3050E-06
SR69	0.00048271	0.00051602	0.0004921	0.00051939	0.00050079	0.00051939	5.6402E-06
SR70	0.00018067	0.00017581	0.0001786	0.00018827	0.00018382	0.00018827	2.0445E-06
SR71	0.00021522	0.00021591	0.0002165	0.00022748	0.00022137	0.00022748	2.4703E-06
SR72	0.00010518	0.00011381	0.00010528	0.00010889	0.00010795	0.00011381	1.2359E-06
SR73	9.65E-05	9.35E-05	9.45E-05	0.00010334	9.80E-05	0.00010334	1.1222E-06
SR74	0.0001092	0.00011734	0.00011158	0.00011873	0.00011636	0.00011873	1.2893E-06
CR1	0.00039809	0.00041272	0.00039538	0.00043127	0.00041545	0.00043127	4.6832E-06
CR2	0.00021693	0.00023178	0.00022024	0.00023573	0.00022768	0.00023573	2.5598E-06
					Maximum :	**1.063E-05**	**SR38**

AECOM Imagine it. Delivered.

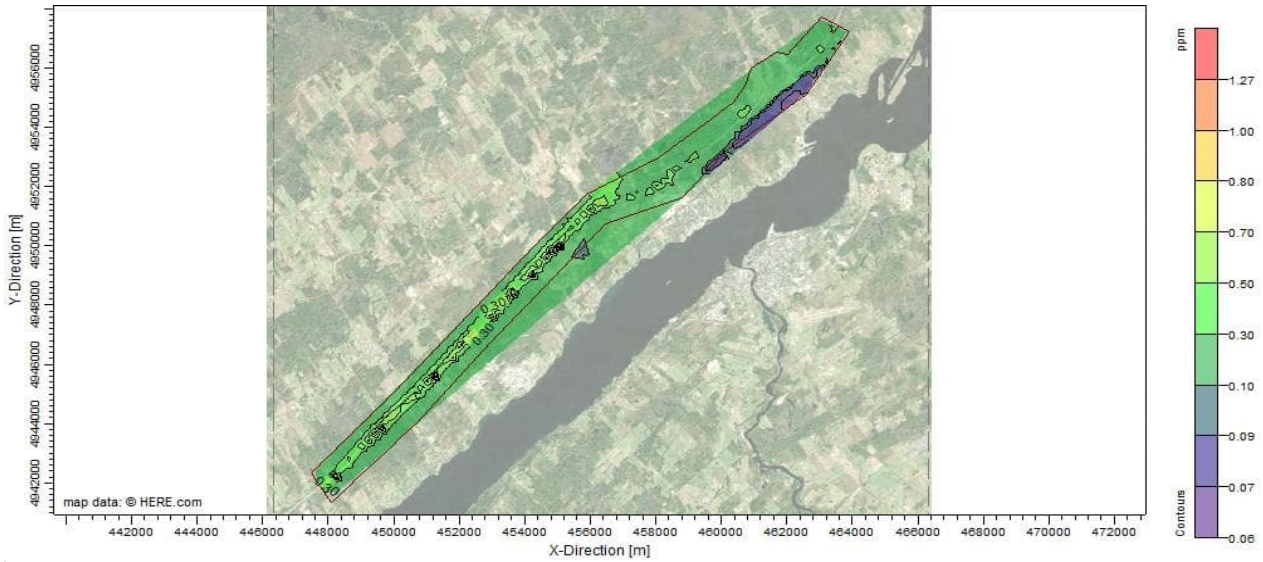
Appendix J

Isopleth Figures

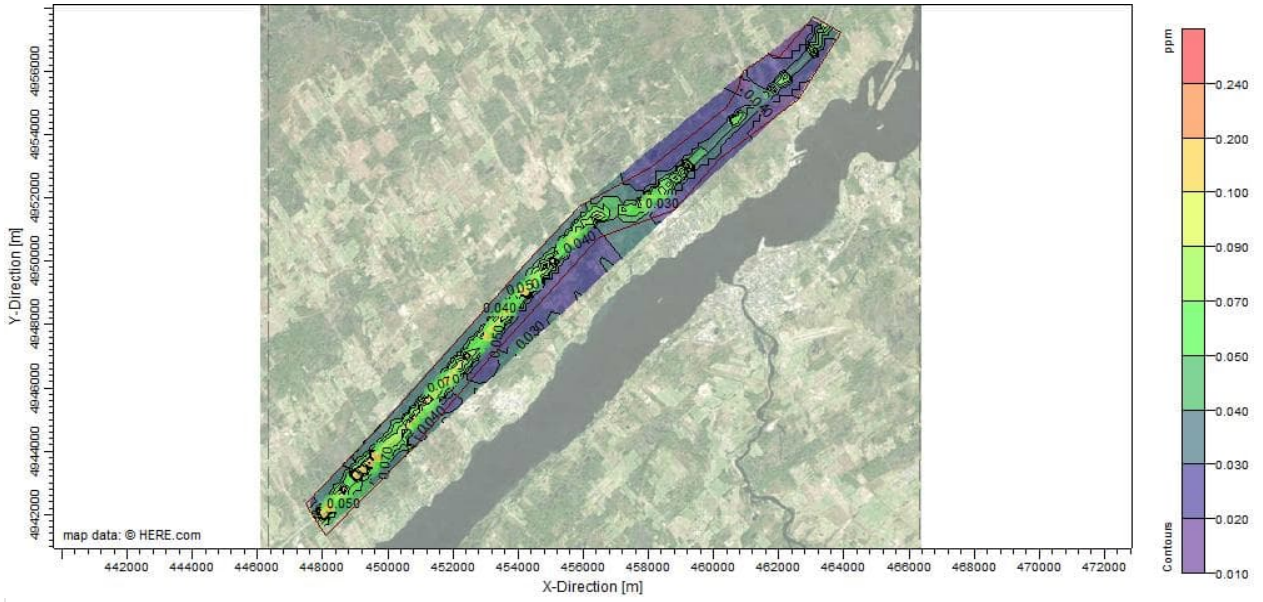
Isopleth Figures

Existing Conditions

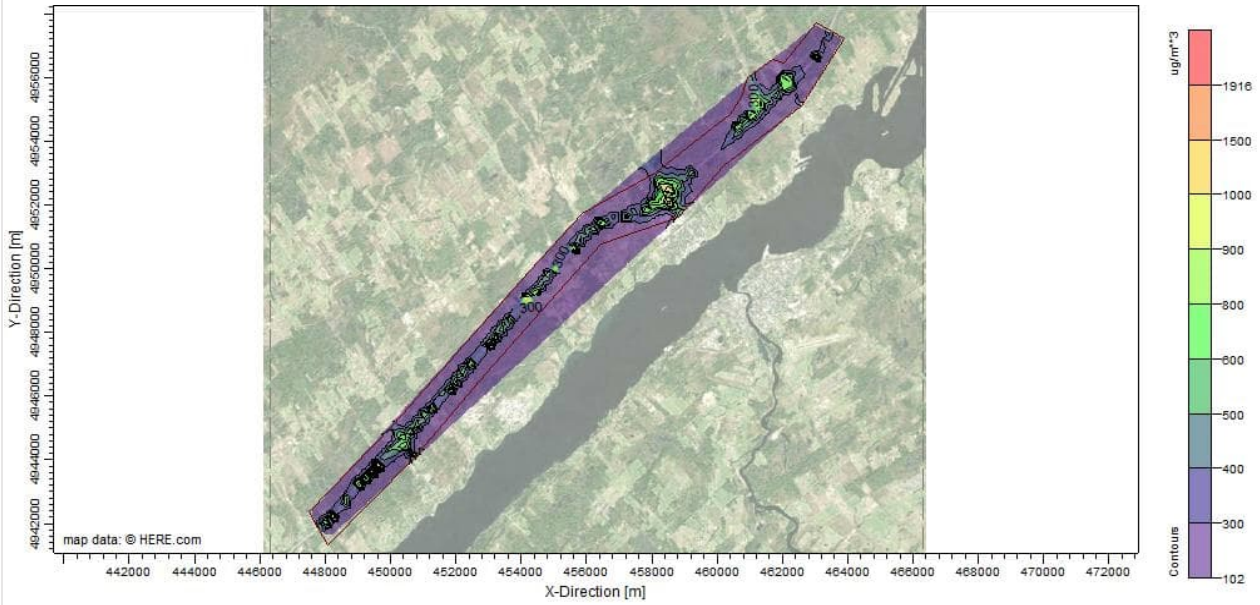
Carbon Monoxide (CO)



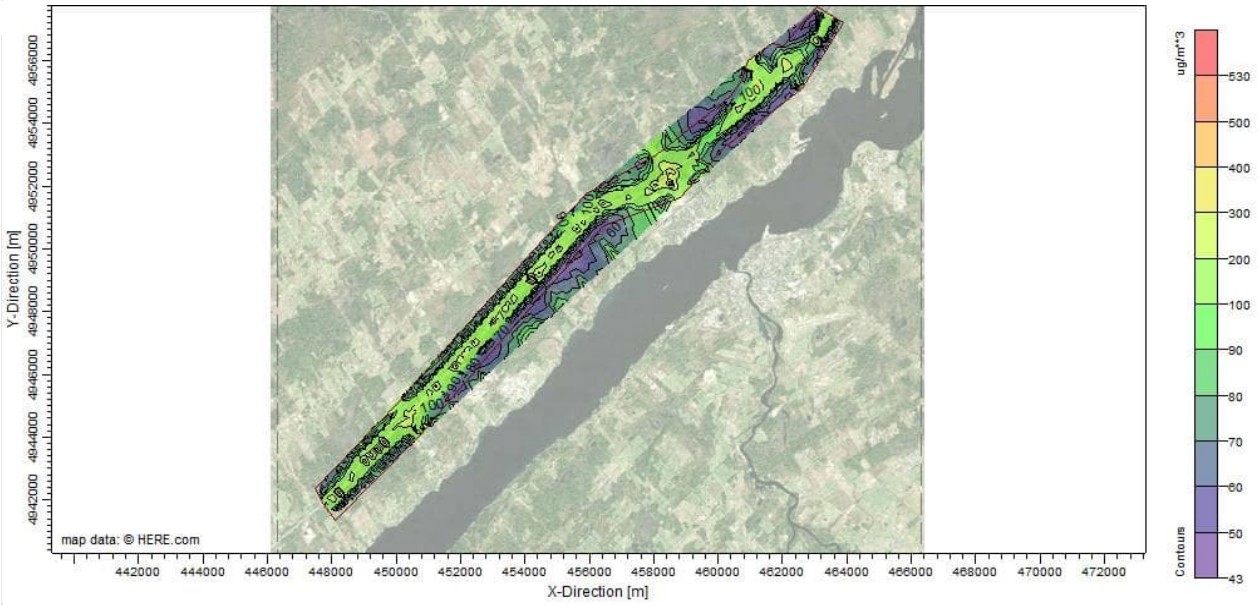
Nitrogen Oxides (NOx)



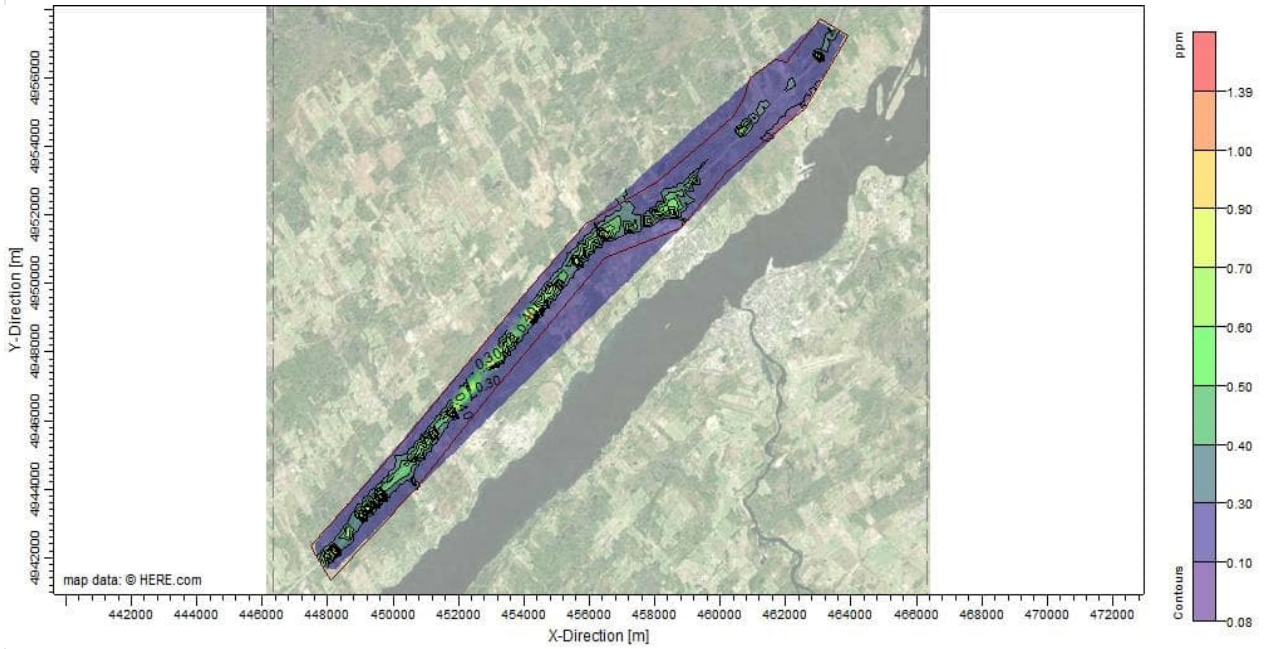
Particulate Matter (PM_{10})



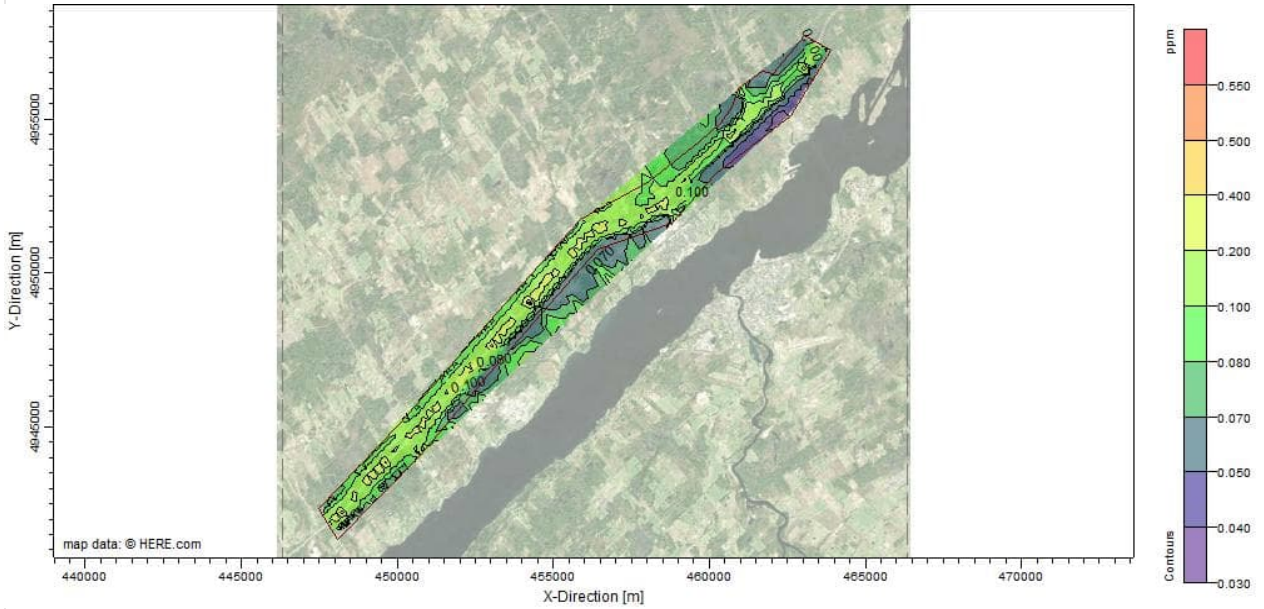
Particulate Matter (PM2.5)



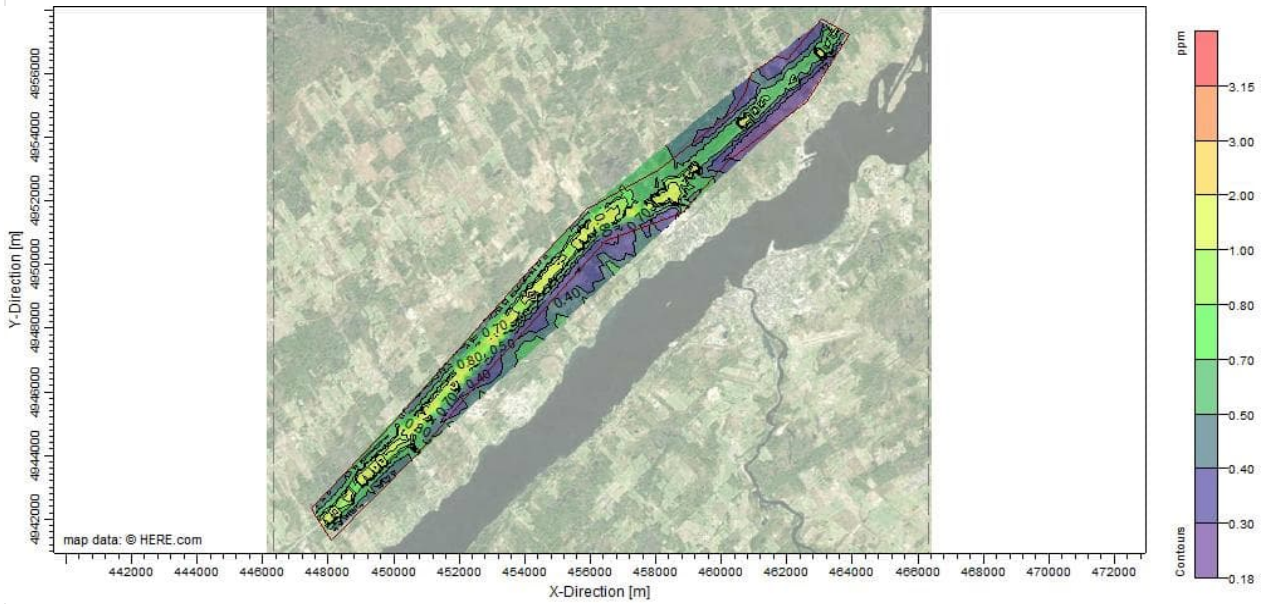
Acetaldehyde



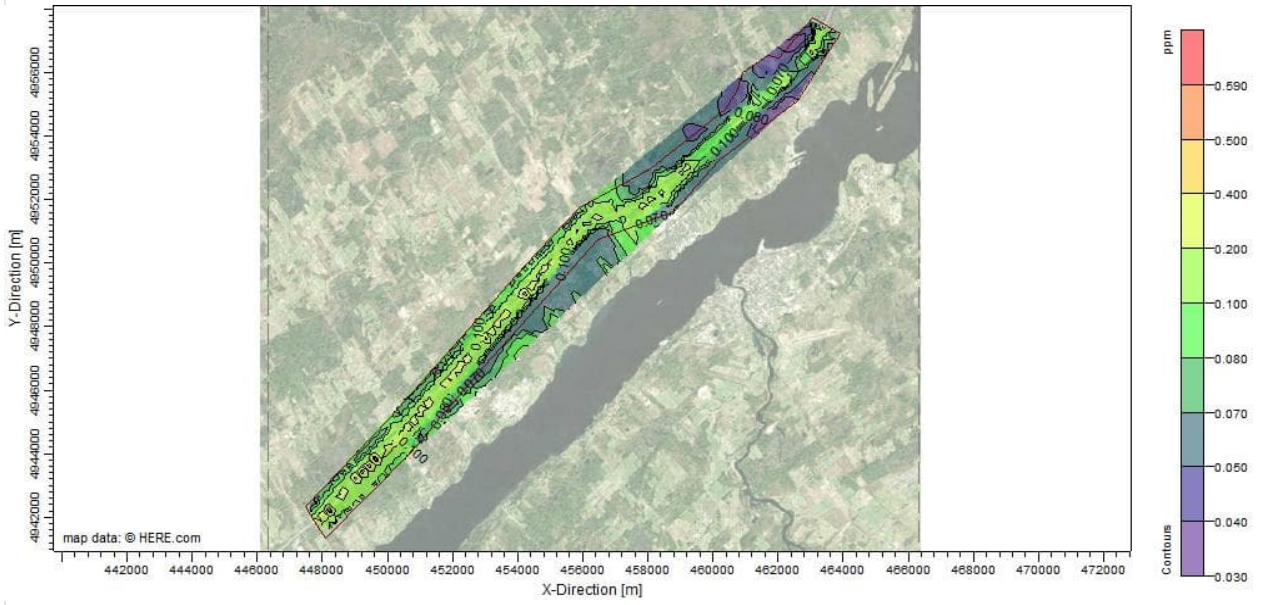
Acrolein



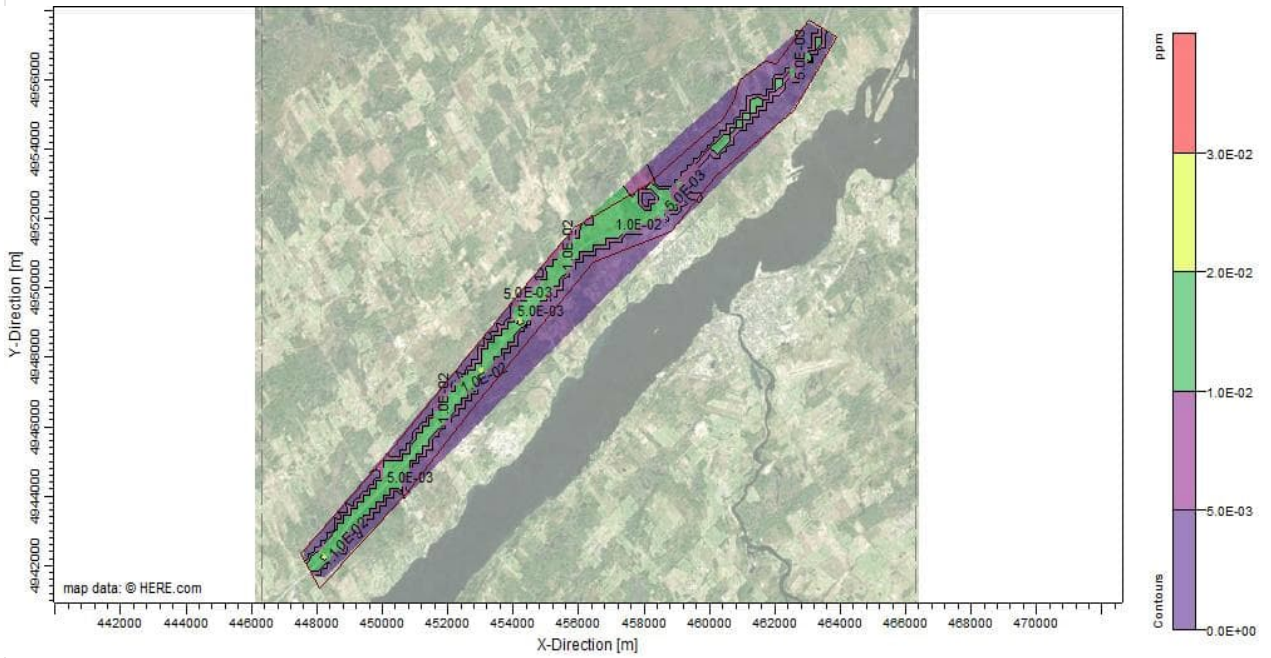
Formaldehyde



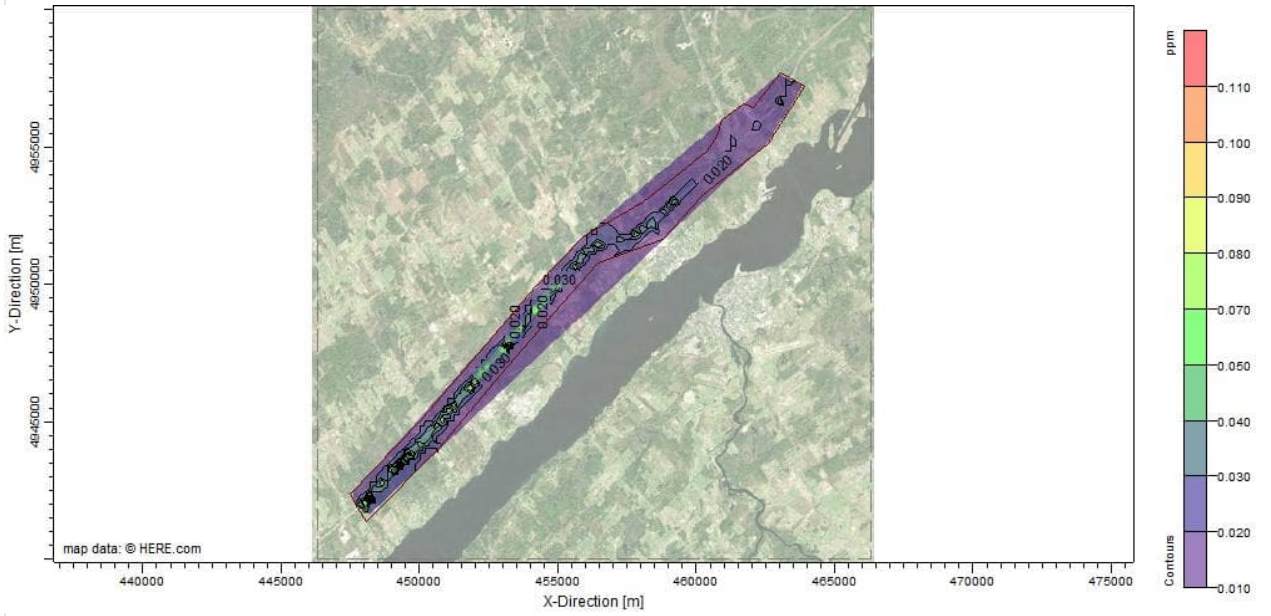
Benzene



Sulphur Dioxide



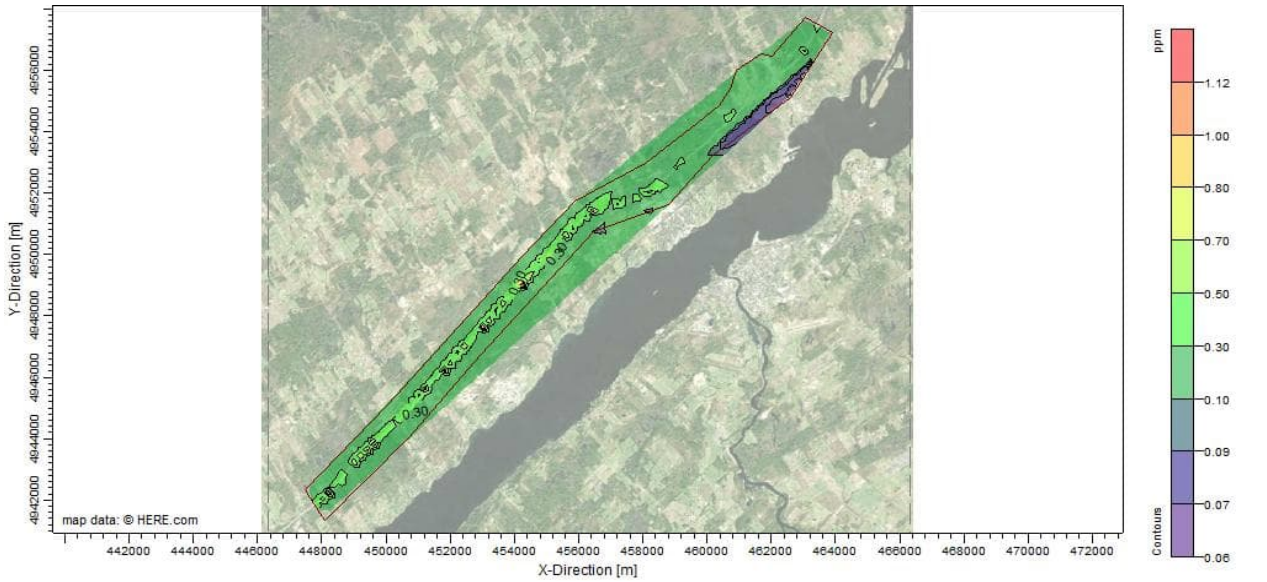
Benzo(a)pyrene



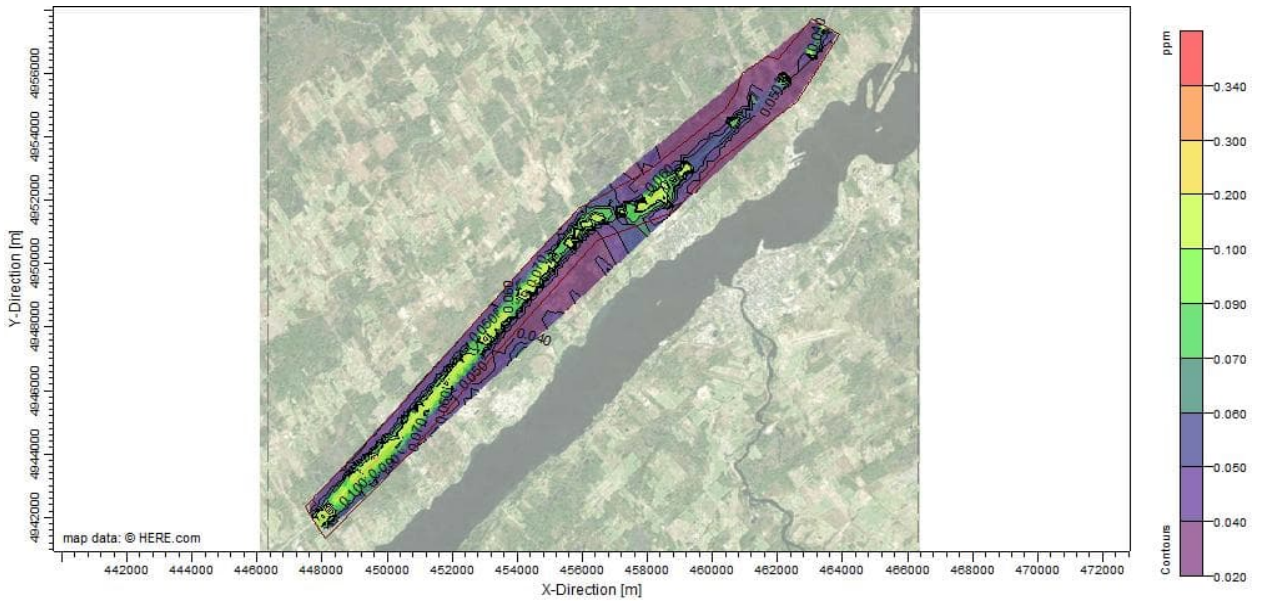
Isopleth Figures

Future No-Build Conditions

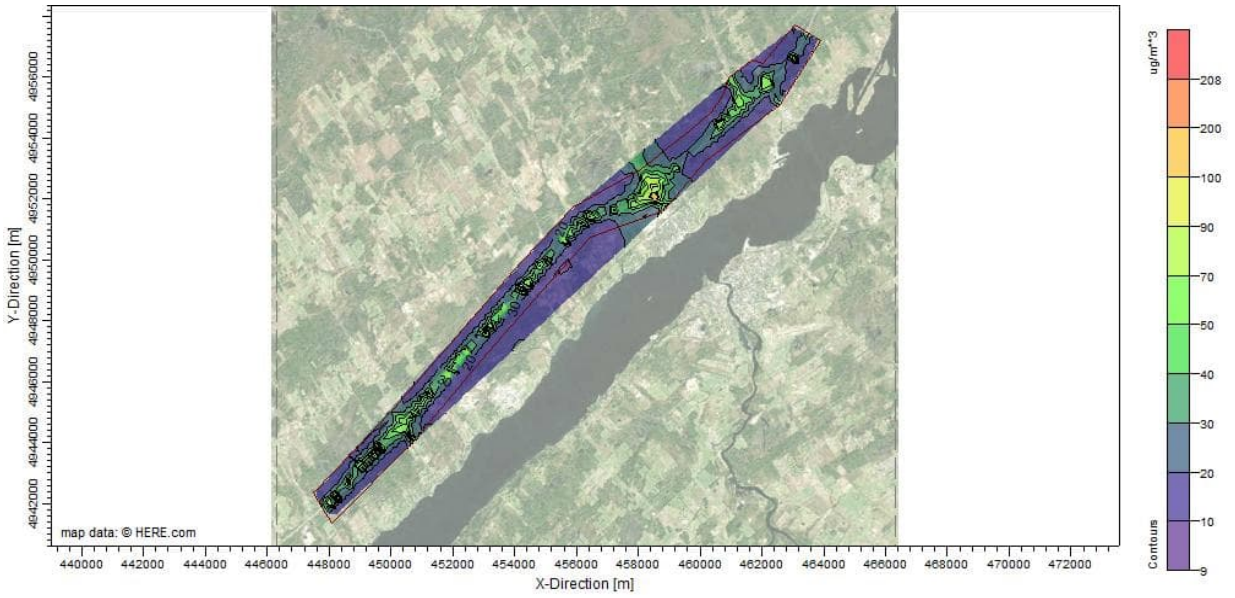
Carbon Monoxide (CO)



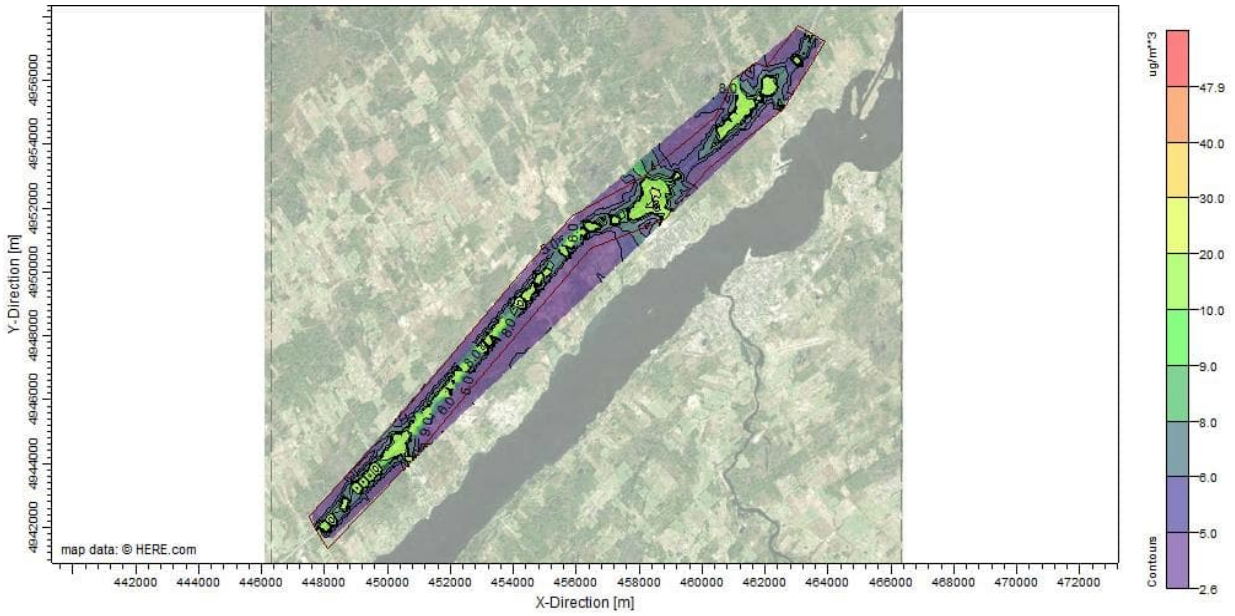
Nitrogen Oxides (NOx)



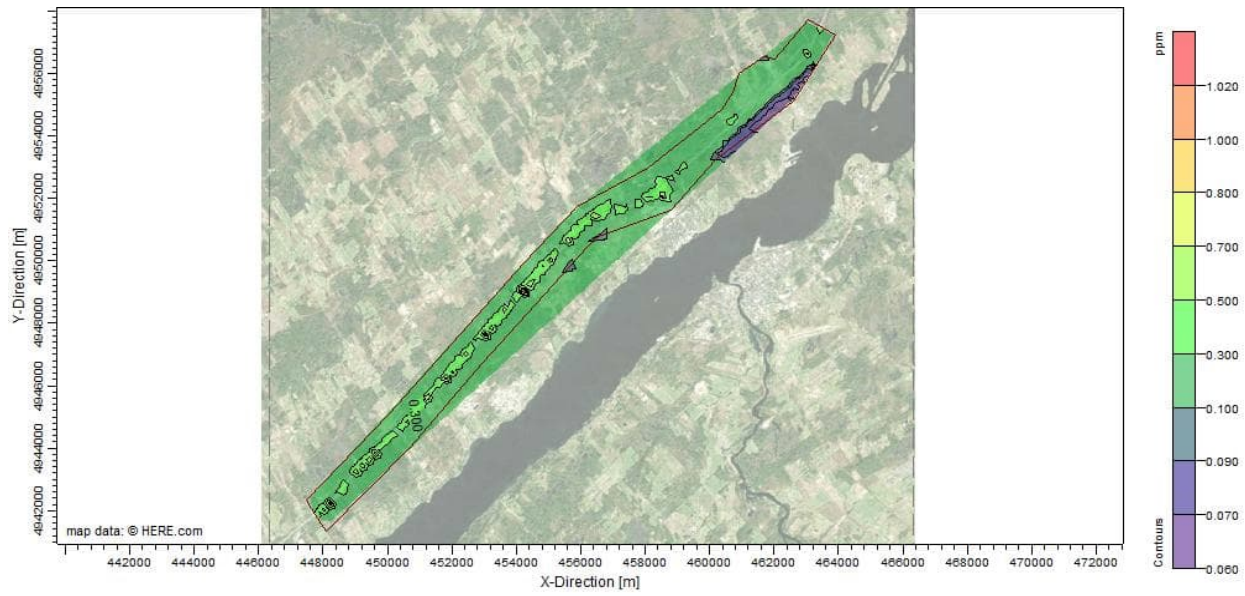
Particulate Matter (PM_{10})



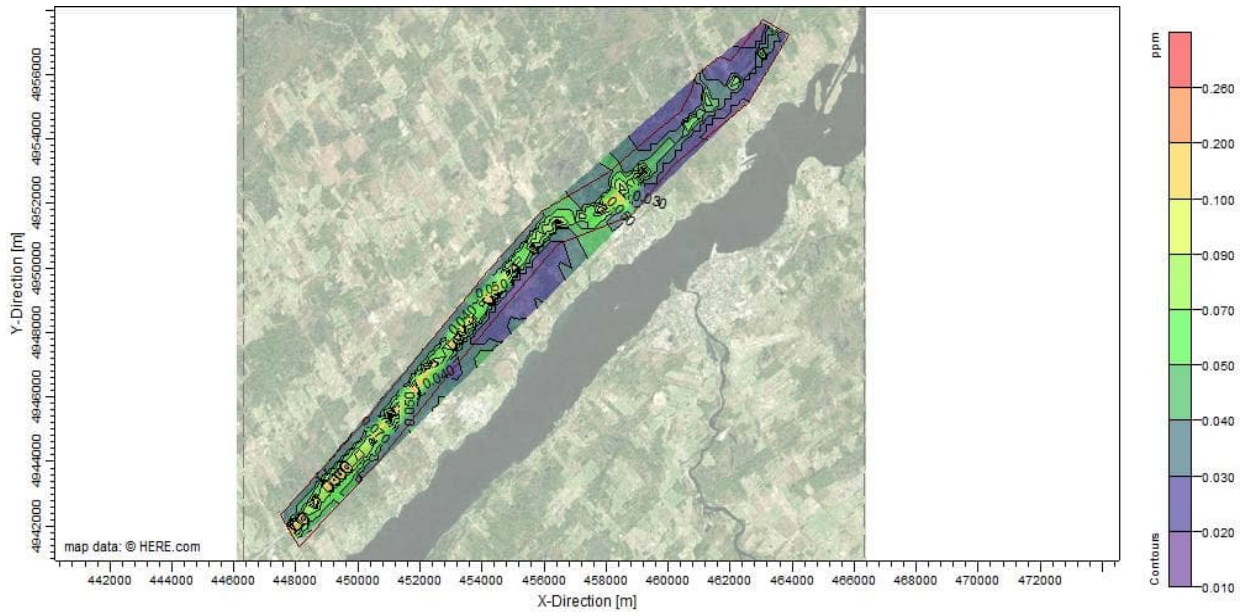
Particulate Matter (PM2.5)



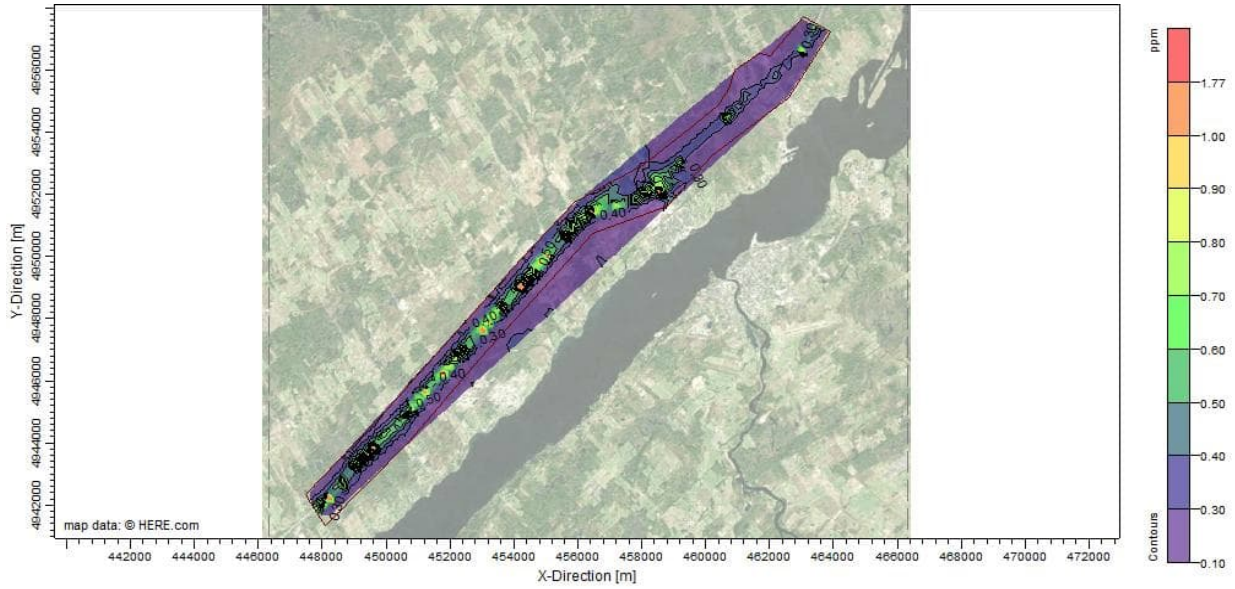
Acetaldehyde



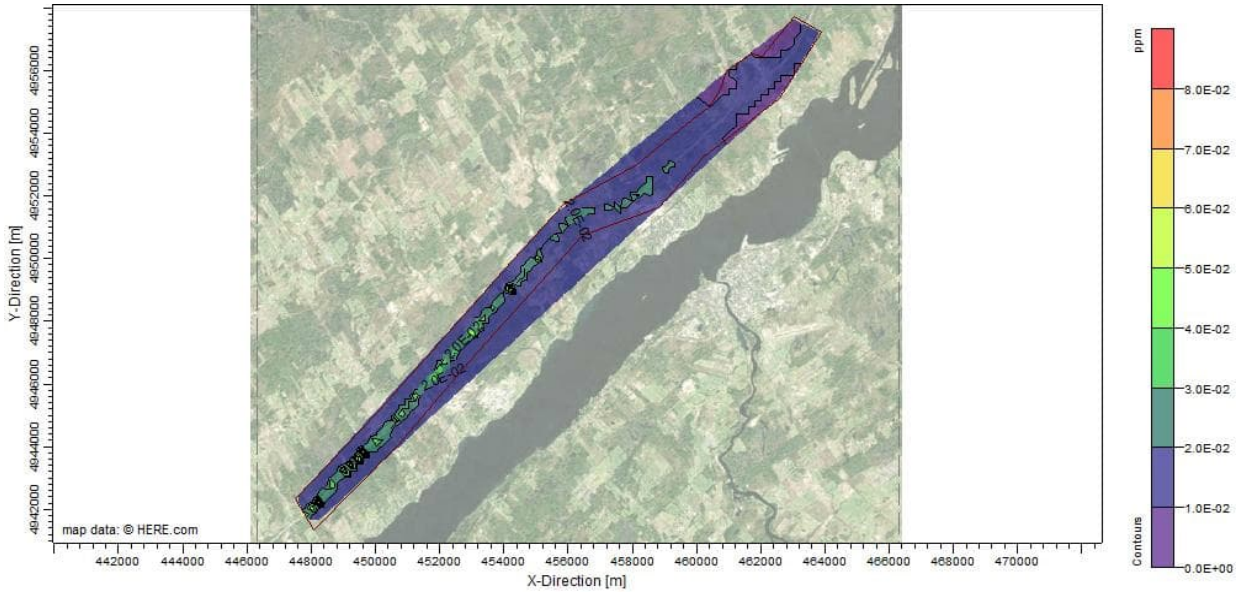
Acrolein



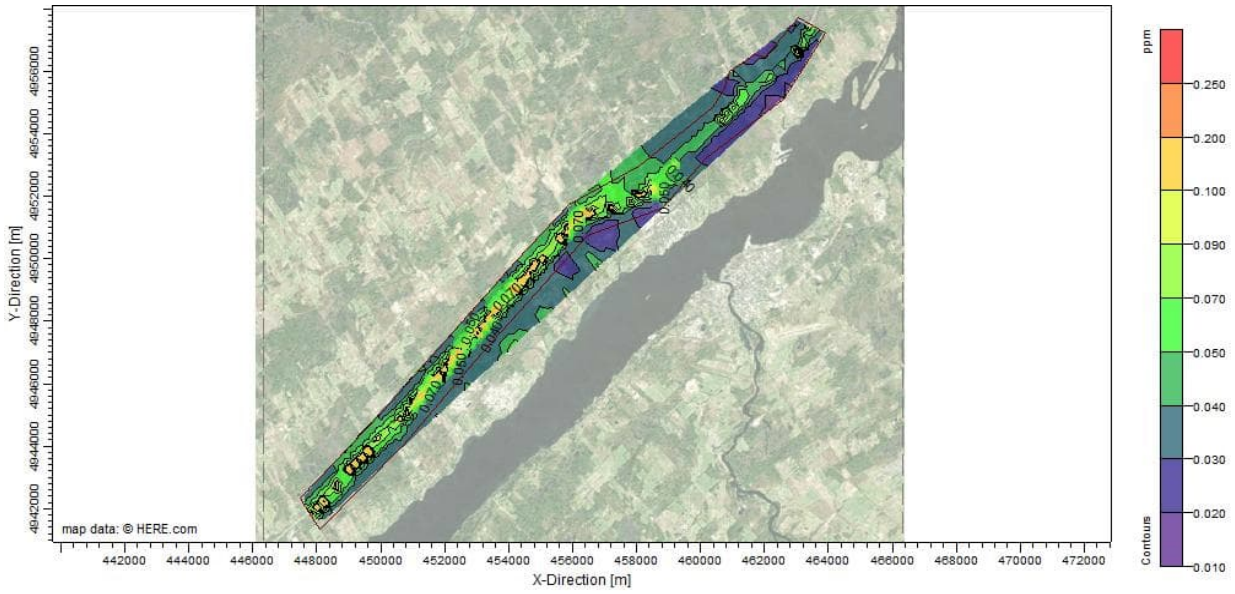
Formaldehyde



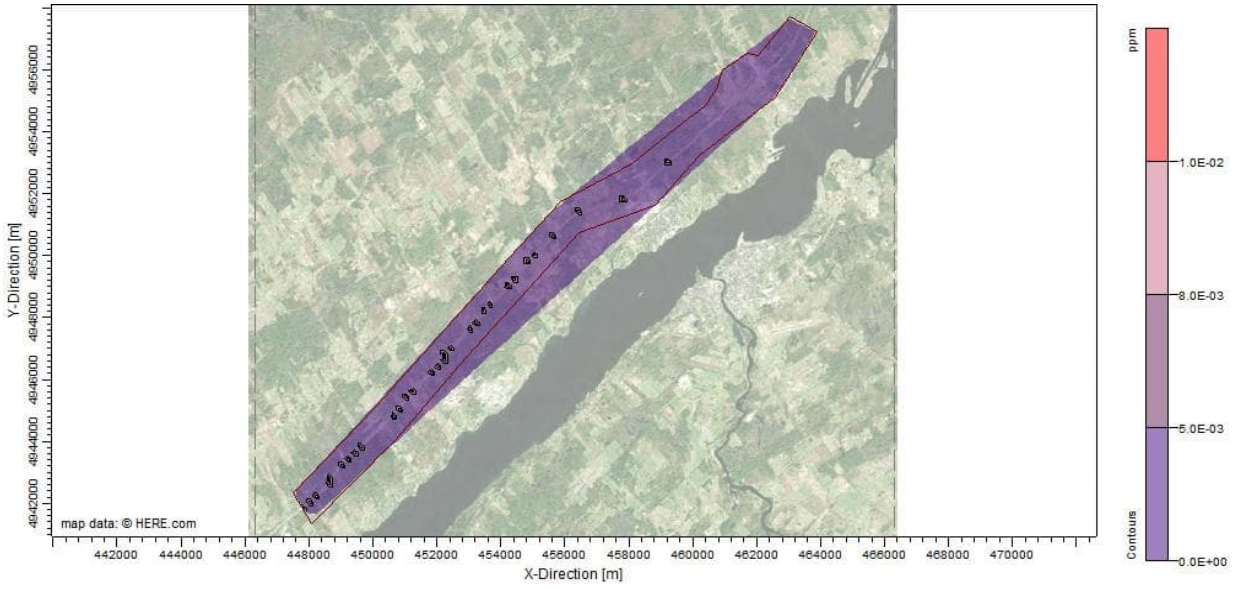
Benzene



Sulphur Dioxide



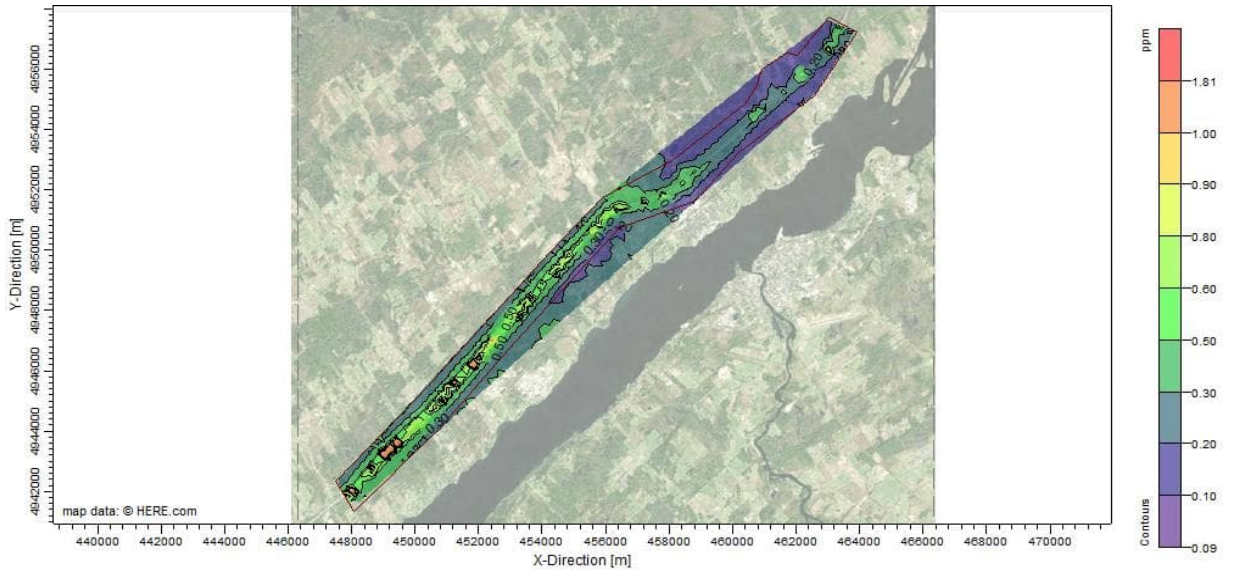
Benzo(a)pyrene



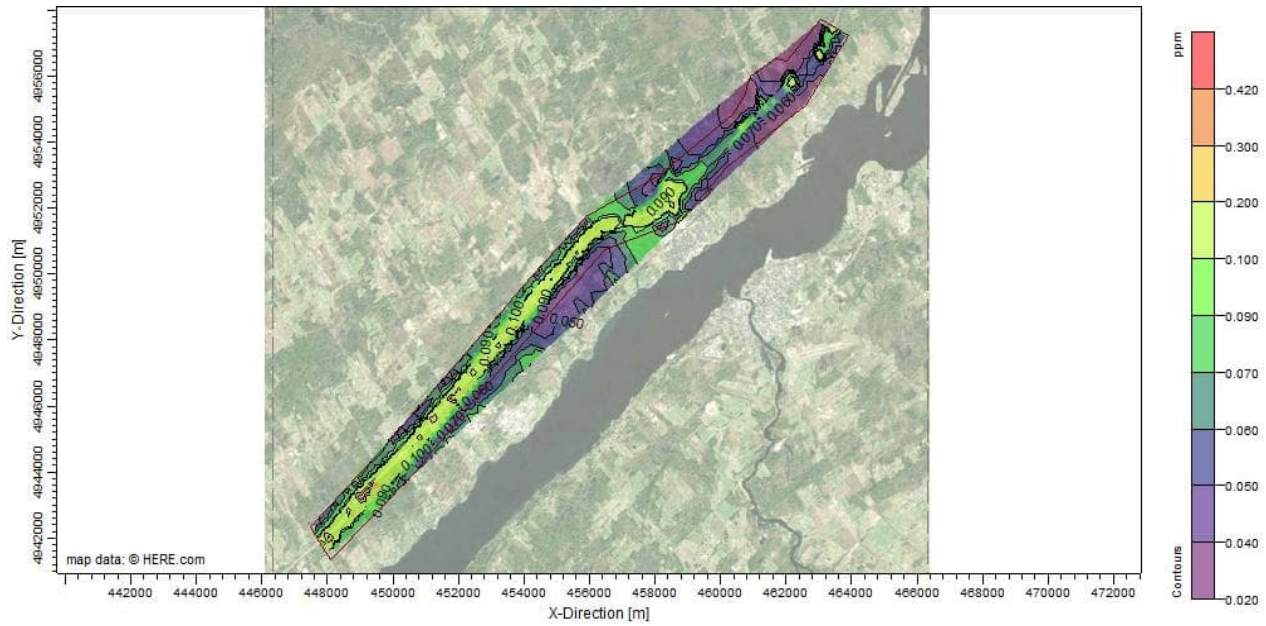
Isopleth Figures

Future Build Conditions

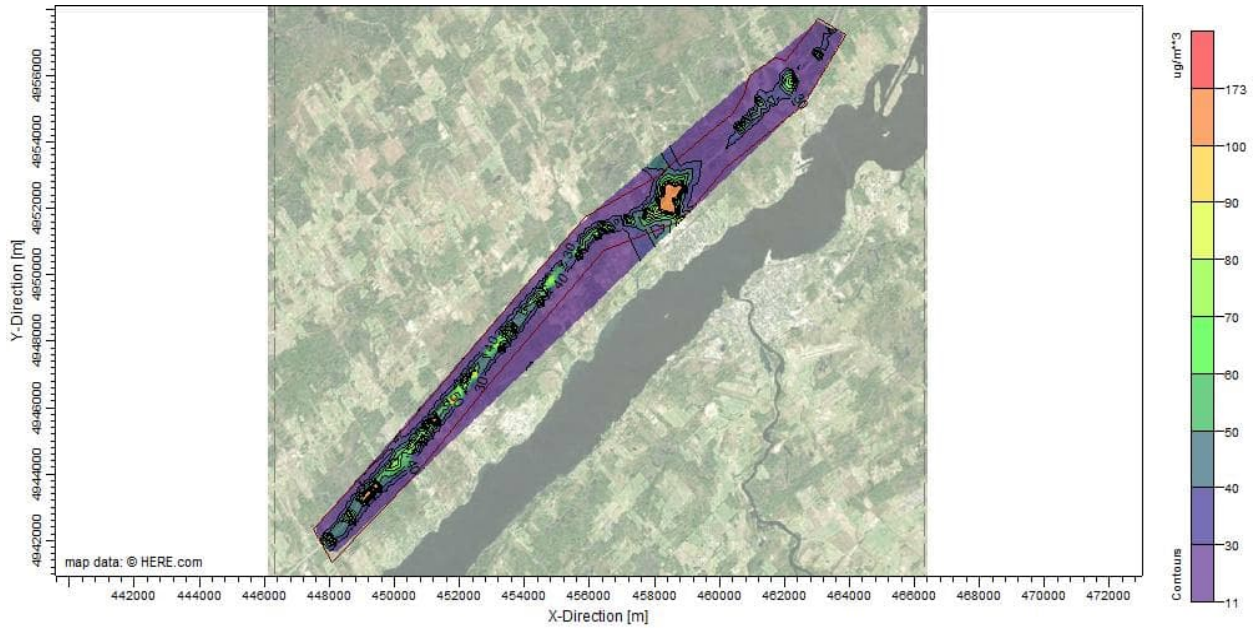
Carbon Monoxide (CO)



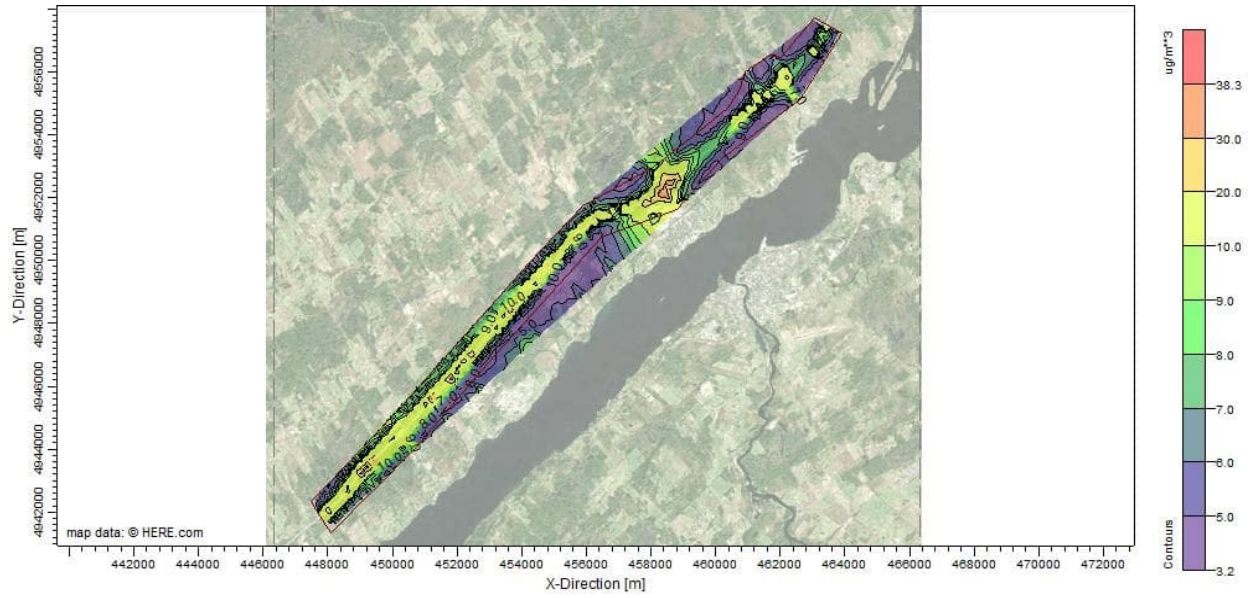
Nitrogen Oxides (NOx)



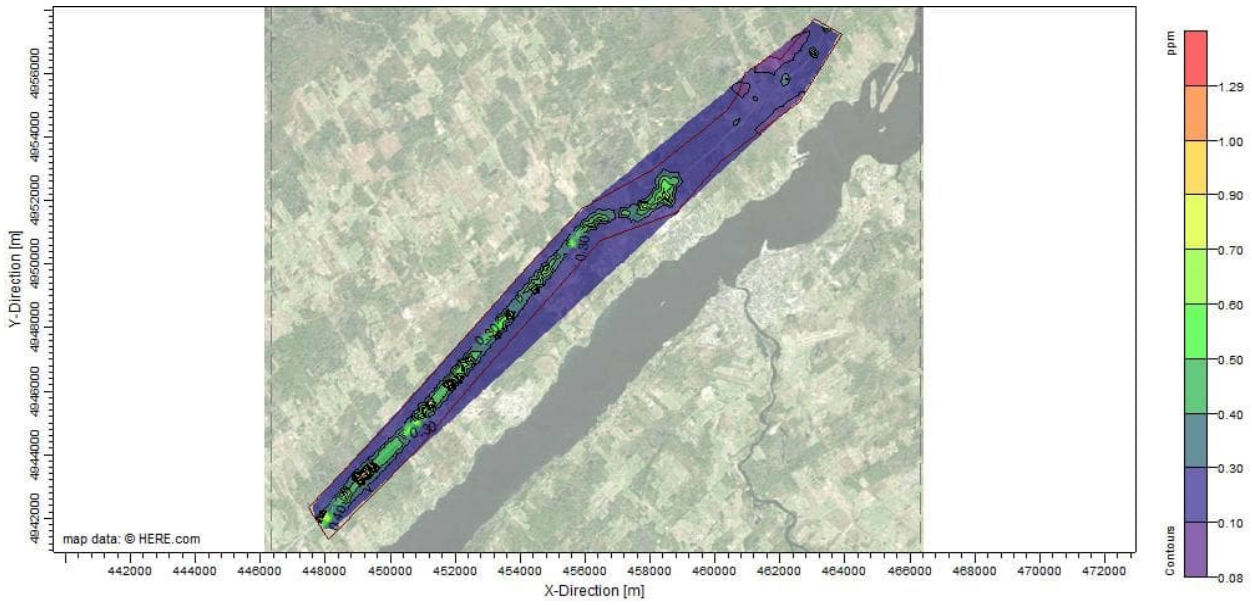
Particulate Matter (PM_{10})



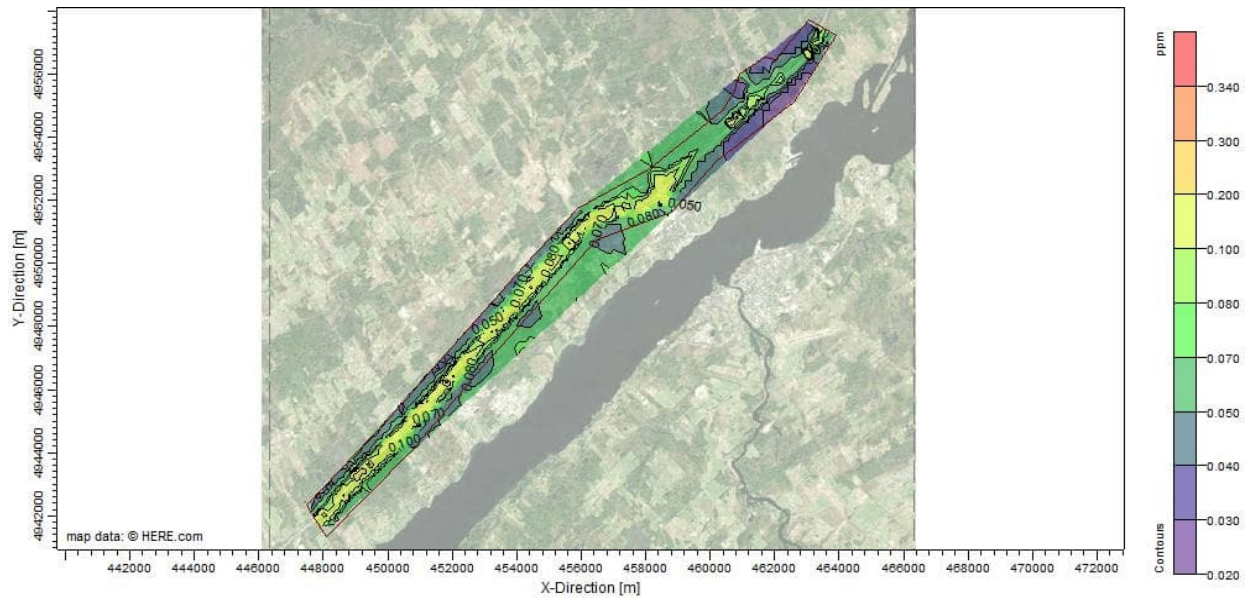
Particulate Matter (PM2.5)



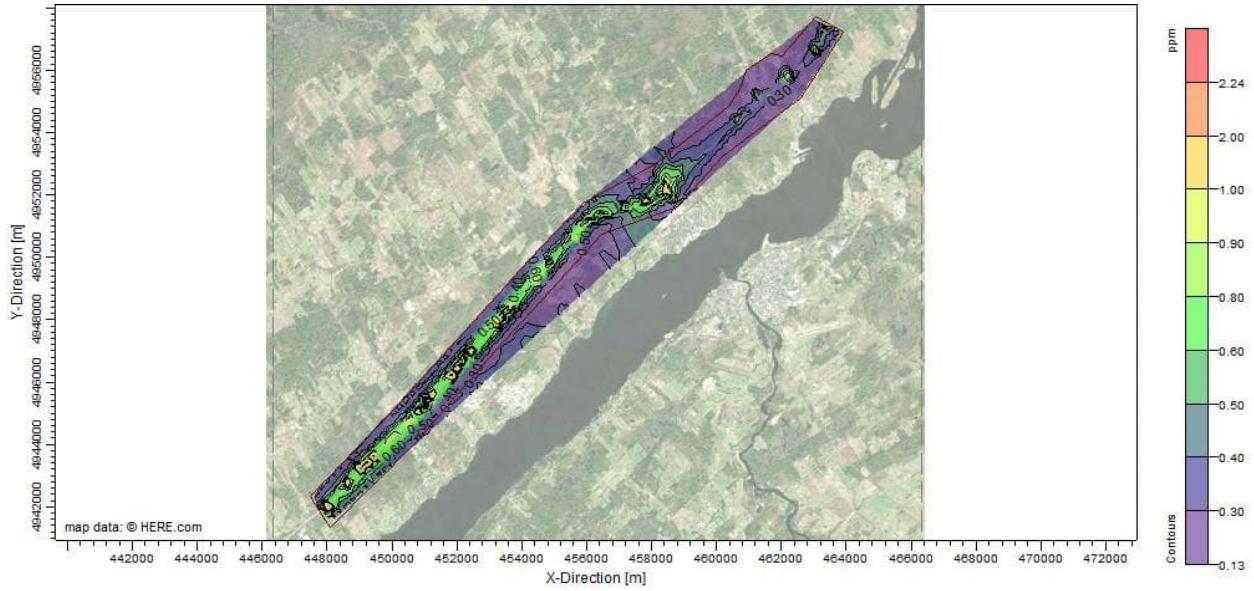
Acetaldehyde



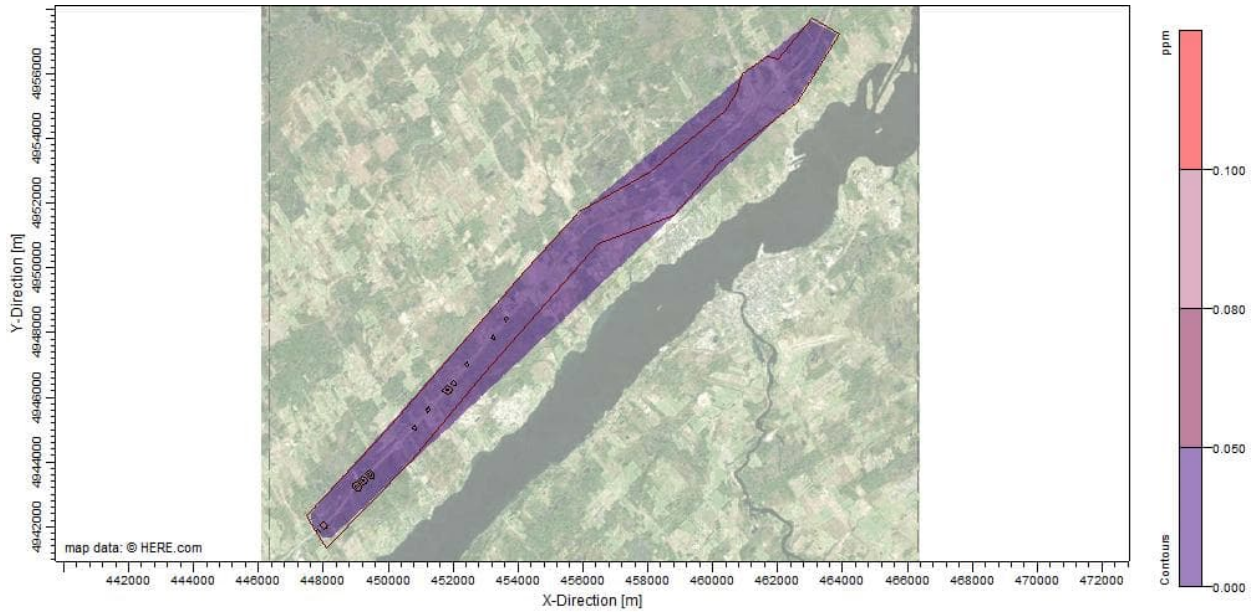
Acrolein



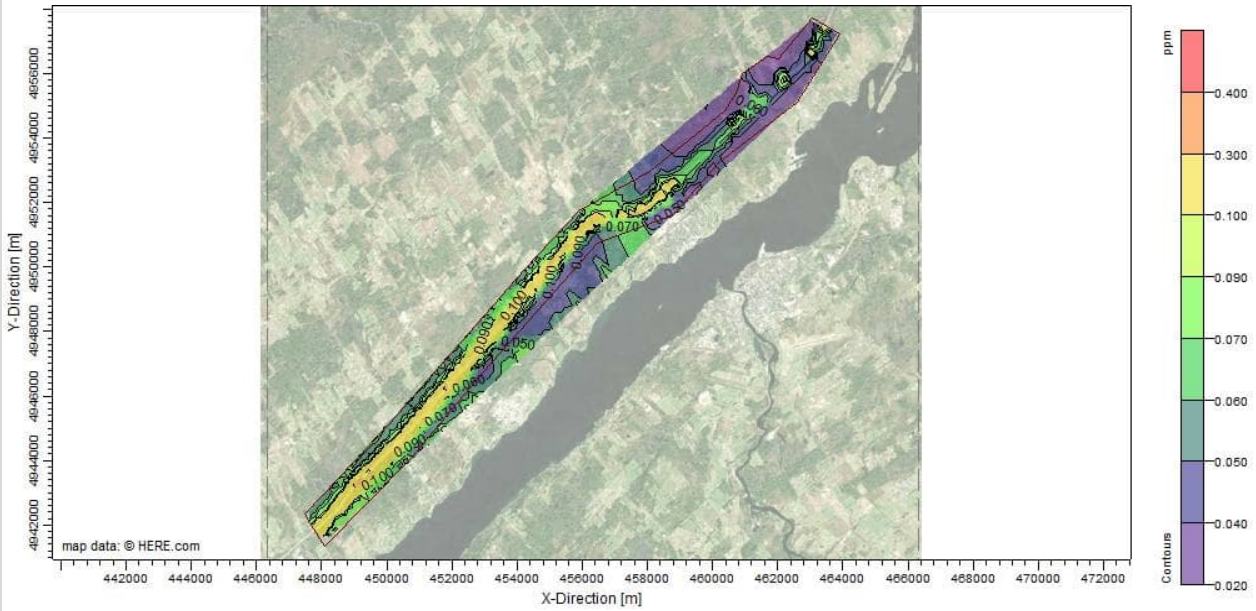
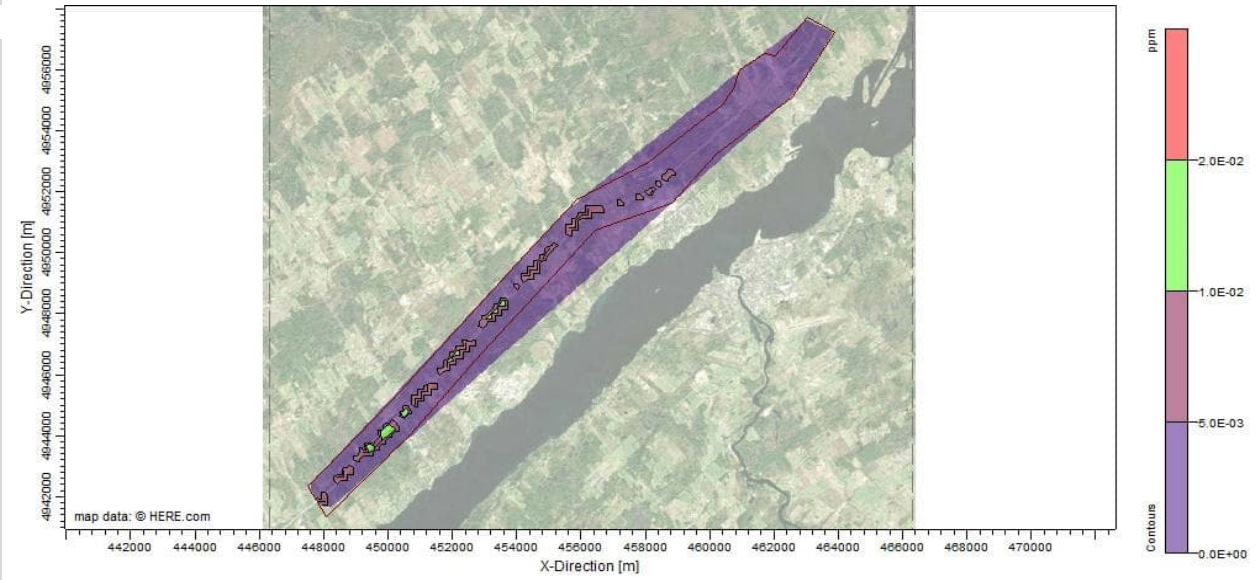
Formaldehyde



Benzene



Sulphur Dioxide



Benzo(a)pyrene