Ministry of Transportation Ontario

Air Quality Impact Assessment

Hanlon Expressway/Wellington Road 34 Midblock Interchange, GWP 3059-20-00

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AECOM: 2015-04-13

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Executive Summary

AECOM Canada Limited (AECOM) has been retained by the Ontario Ministry of Transportation (MTO) to undertake a Preliminary Design Review, Detailed Design (to a Design-Build-Ready status) under Class Environmental Assessment (EA) for Provincial Transportation Facilities (2000) for improvements to Highways 6 and 401 in the Township of Puslinch, Wellington County, and the City of Hamilton (GWP 3042-14-00). The planned transportation improvements will provide a better connection between the Highways 6 and 401 corridors which will reduce road congestion, collision potential and associated costs and encourage the utilization of Hanlon Expressway (Highway 6 north of Highway 401) and support municipal planning initiatives.

The first phase of implementing the GWP 3042-14-00 improvements will include the improvements along Hanlon Expressway north of Highway 401. This first phase, henceforth referred to as the Hanlon Expressway / Wellington Road 34 Midblock Interchange Project (GWP 3059-20-00), includes the new Wellington Road 34 flyover structure at Hanlon Expressway, the new interchange on Hanlon Expressway midway between Wellington Road 34 and Maltby Road, and other associated connecting roadways.

The Hanlon Expressway / Wellington Road 34 Midblock Interchange Project (the Project) is the focus of this air quality impact assessment report.

The results of the air quality impact assessment for the Midblock Interchange show that the addition of the proposed infrastructure will have a decreased impact on the sensitive receptors within the Study Area in comparison to Existing Conditions, and an increased impact on air quality in comparison to Future No-Build Conditions. This is due primarily to the anticipated increase in traffic along the Highway 6 North between Future No-Build and Build conditions, which is not necessarily due to the Midblock Project infrastructure specifically, but due to the overall adjustments expected within the Project corridor (G.W.P. 3042-14-00 and G.W.P. 14-00-00). Even with the implementation of the Project, the majority of criteria air contaminants are expected to be below the respective provincial and federal air quality criteria.

There are two criteria air contaminants showing levels of cumulative impact to air quality above some of their respective provincial and/or federal air quality criteria, including the 1-hour averaging period of nitrogen dioxide (NO_2) and both the 24-hour and annual averaging periods of benzo(a)pyrene. The exceedance of nitrogen dioxide is expected to be due to the anticipated contributions from the Project within the Study Area. The exceedance of benzo(a)pyrene is expected to be due to both anticipated Project

contributions and to high levels of existing ambient air quality concentrations of these contaminants in their respective averaging periods.

The regional meteorological data suggests a predominant wind blowing from the west/southwest direction, directly towards the closest and most impacted receptor for the Project (SR7). Cumulative frequency analysis for exceedances indicated cumulative impacts above the recommended NO_2 1-hour CAAQS standards and benzo(a)pyrene 24-hour AAQC standards for 0.1% and 65% of the total meteorological hourly and daily data values during a five-year period, respectively.

Mitigation during the operation of this infrastructure includes promotion of a continued increase of the number of electric vehicles within the general vehicle fleets operating within the Province of Ontario and implementation of vegetation within the Project Study Area to reduce particulate dispersion.

Table 7-1 summarizes the impacts which are expected to result from the implementation of this Project.

Table E-1-1: 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.	■ Continued promotion of increased electric vehicle purchase and infrastructure within Ontario. ■ Implementation of vegetation within the Project Study Area to decrease ground level dispersion of particulates.	■ 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 potential mitigation are provided in Section 6.5.1. – Include explicit commitment to the implementation of all 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 Ministry of Environment, Conservation and Parks' Technical Bulletin	■ 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 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. The list of contaminants will be expanded to include other air pollutants that may be produced as a result of the work. – Application of threshold "Action Level" triggers for implementation of specific and increasing intensity mitigation activities. – If continuous monitoring is deemed necessary, performance of on-site

Air Quality Condition	Potential Effect	Mitigation Measure(s)	Monitoring
		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.	meteorological monitoring in conjunction with real-time continuous monitoring representative of receptor impacts. – If continuous monitoring is deemed necessary, placement of monitors both upwind and downwind of construction activities, where possible. – If continuous monitoring is deemed necessary, perform baseline monitoring 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 Ministry of the Environment, Conservation and Parks (MECP) *Operations Manual for Air Quality Monitoring in Ontario* (2018).

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1. Introduction

AECOM Canada Limited (AECOM) has been retained by the Ontario Ministry of Transportation (MTO) to undertake a Preliminary Design Review, Detailed Design (to a Design-Build-Ready status) under Class Environmental Assessment (EA) for Provincial Transportation Facilities (2000) for improvements to Highways 6 and 401 in the Township of Puslinch, Wellington County, and the City of Hamilton (GWP 3042-14-00). The planned transportation improvements will provide a better connection between the Highways 6 and 401 corridors which will reduce road congestion, collision potential and associated costs and encourage the utilization of Hanlon Expressway (Highway 6 north of Highway 401) and support municipal planning initiatives.

The first phase of implementing the GWP 3042-14-00 improvements will include the improvements along Hanlon Expressway north of Highway 401. This first phase, henceforth referred to as the Hanlon Expressway / Wellington Road 34 Midblock Interchange Project (GWP 3059-20-00), includes the new Wellington Road 34 flyover structure at Hanlon Expressway, the new interchange on Hanlon Expressway midway between Wellington Road 34 and Maltby Road, and other associated connecting roadways.

The Hanlon Expressway / Wellington Road 34 Midblock Interchange Project (the Project) is the focus of this air quality impact assessment report.

1.1 Project Description

The Project (GWP 3059-20-00), includes the following key elements:

- New Midblock Interchange on Hanlon Expressway midway between Wellington Road 34 and Maltby Road, linking Wellington Road 34 on the west side of Hanlon Expressway to Concession Road 7 on the east side of Hanlon Expressway with County Road 34 Connection Road;
- Removal of two at-grade Interchanges on Hanlon Expressway at Wellington Road 34 and Maltby Road/Concession Road 4;
- New flyover of Hanlon Expressway at Wellington Road 34;
- New Interchange at Maltby Road and Concession Road 7;
- New cul-de-sac on Concession Road 4 (west side of Hanlon Expressway);

- Reconstruction and realignment of Concession Road 7 to the east between Maltby Road and Wellington Road 34;
- New left turn lanes at County Road 34 Connection Road and Wellington Road 34, and at Wellington Road 34 and Concession Road 7, resulting in road widenings at these Interchanges;
- New overhead sign structures associated with the interchange;
- Stormwater management facilities;
- Traffic signals and illumination at five Interchanges;
- Partial illumination on Hanlon Expressway at off-ramps; and
- Various utility relocations to accommodate the improvements.

2. Methodology

The overall objective of the air quality impact assessment is to determine the specific worst-case estimates of air quality impacts from the proposed interchange design ("Midblock Interchange") proposed along Highway 6 North between Regional Road 34 (Wellington Road) and Maltby Road West.

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 6 North including Concession Road 7 and Wellington Road 34. 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. Sensitive receptors included all permanent locations of residence (e.g., detached housing, apartments and condos, etc.) and critical receptors included health care facilities, educational institutions, childcare facilities, or nursing/long-term care facilities[1]. A total of twelve (12) sensitive receptors and no critical receptors were identified within the Study Area.

The background air quality concentrations within the Project Study Area were determined from existing Environment and Climate Change Canada (ECCC) monitoring station data from the National Air Pollution Surveillance (NAPS) network. Five years of existing data sets were analyzed 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 Project Study Area. As this Project is located close to Highway 401 and Highway 6 North in Guelph, monitoring stations located in close proximity to Guelph were given preference in selection as being the most representative for the air quality contaminants of concern.

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

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)

The following three conditions were assessed:

1. Existing Conditions (2017) – Assessment of air quality impacts from vehicular emissions on identified sources within 500 m of the Midblock Interchange Project footprint;
2. Future No-Build Conditions (2041) – Assessment of predicted future air quality impacts from vehicular emissions of identified sources within 500 m of the Midblock Interchange Project footprint; and
3. Future Build Conditions (2041) – Assessment of predicted future air quality impacts from vehicular emissions of identified sources within 500 m of the Midblock Interchange Project footprint, including new proposed on-ramps, off-ramps, and connecting roads.

The following sections outline the identification of the Study Area, sources of air quality contaminants for the three conditions of assessment, identified sensitive and critical receptors, federal and provincial standards and guidelines applicable to the air quality contaminants, the methodology used to calculate emission estimates and complete dispersion modelling for each condition of assessment, and all assumptions made within the assessment.

2.1 Study Area and Representative Receptors

The Study Area for this assessment for each station was marked by a 500 m extension surrounding all potential on-ground sources of air emissions from the Midblock Interchange, as shown in **Figure A1** in **Appendix A**. This Study Area selection was based on the Ministry of Transportation's "Environmental Guide for Assessing and Mitigating the Air Quality Impacts and Greenhouse Gas Emissions of Provincial Transportation Projects" (MTO Air Quality Guide)[2]. The Study Area was based on both existing sources of traffic and the proposed Project deign, as illustrated in **Figure A2** in **Appendix A**.

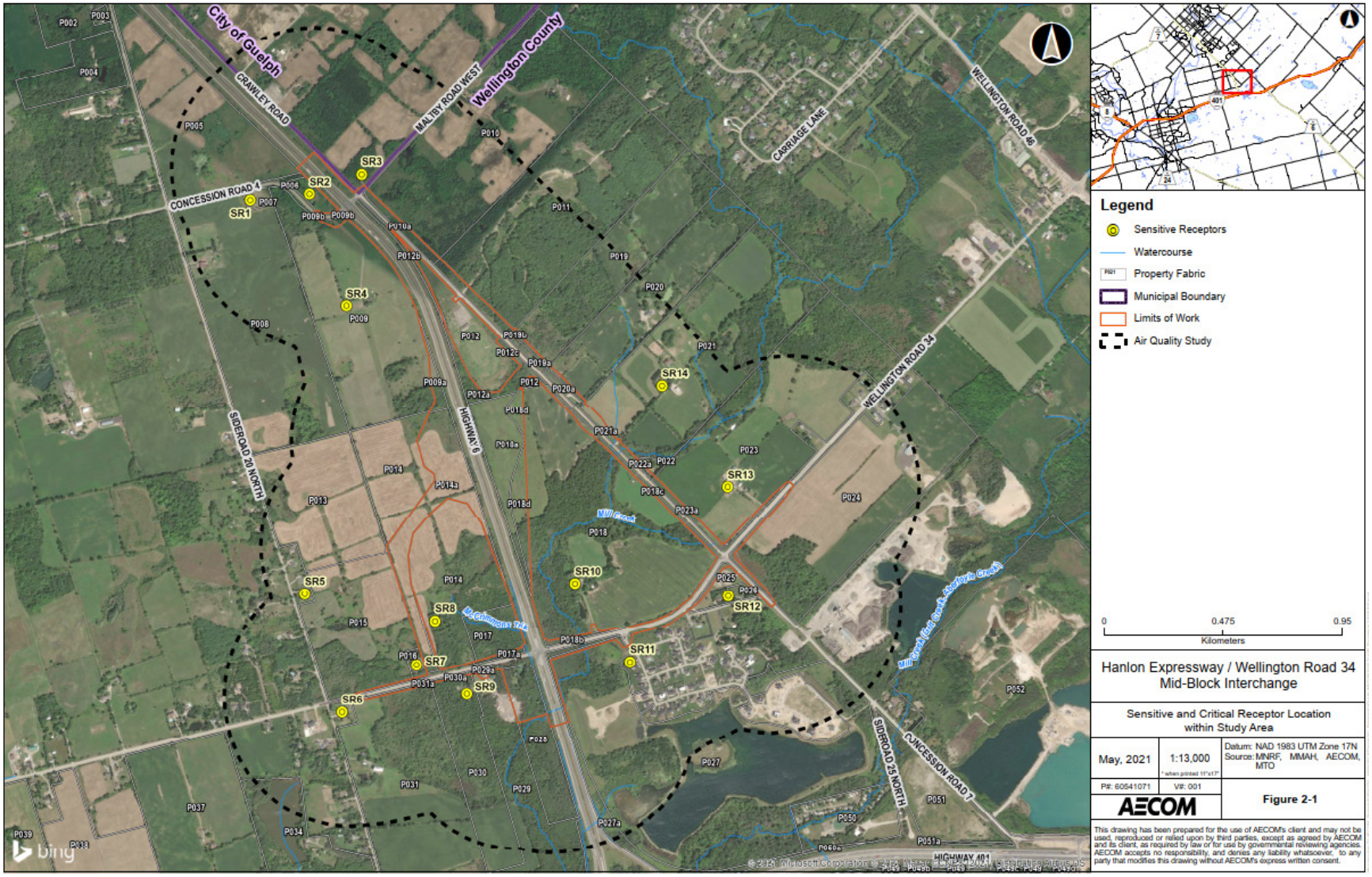
Representative sensitive and critical receptors were selected within this 500 m boundary surrounding the Midblock Interchange, as shown in **Figure 2-1**. These representative critical and sensitive receptors were selected based on existing satellite imagery, indicating residential buildings within the predominant rural land use included in the Study Area. **Table 2-1** lists the identified receptors, receptor designation, description and approximate location.

2. 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)

Table 2-1: Representative Receptors within Study Area

Receptor ID	UTM Co-ordinates (m E, m N)	Receptor Designation	Receptor Description and Approximate Location
SR1	565152.00, 4813729.00	Sensitive Receptor	Residential house northeast of Hanlon Parkway and Maltby Road (7047 Concession Road 4, Puslinch)
SR2	565388.00, 4813753.00	Sensitive Receptor	Residential house northeast of Hanlon Parkway and Maltby Road (7060 Concession Road 4, Puslinch)
SR3	565601.03, 4813838.00	Sensitive Receptor	Residential house east of Hanlon Parkway (519 Maltby Road W, Guelph)
SR4	565535.00, 4813308.00	Sensitive Receptor	Residential house west of Hanlon Parkway (7067 Concession Road 4, Puslinch)
SR5	565369.74, 4812160.04	Sensitive Receptor	Residential house, north of Wellington Road 34, adjacent east side of Sideroad 20 (4501 Sideroad 20 N, Puslinch)
SR6	565518.87, 4811690.07	Sensitive Receptor	Residential house, southwest of Sideroad 20 and Wellington Road 34 Interchange (4467 Sideroad 20 N, Puslinch)
SR7	565814.00, 4811878.00	Sensitive Receptor	Residential house, north of Wellington Road 34 (7042 Wellington County Road 34, Morriston)
SR8	565888.00, 4812053.00	Sensitive Receptor	Residential house, north of Wellington Road 34, no specified address (Wellington County Road 34, Morriston)
SR9	566015.04, 4811770.39	Sensitive Receptor	Residential house, south of Wellington Road 34 (7054 Wellington County Road 34, Morriston)
SR10	566450.57, 4812203.35	Sensitive Receptor	Residential house, northeast of Highway 6 N and Wellington Road 34 (7088 Wellington County Rd 34, Cambridge)
SR11	566670.00, 4811896.00	Sensitive Receptor	Residential house on Heritage Lake Dr., closest to Highway 6 N and Wellington Road 34 Interchange (Heritage Lake Estates, Cambridge)
SR12	567065.10 4812158.15	Sensitive Receptor	Residential house on Smith Road, west of Concession Road 7, Cambridge
SR13	567052.00, 4812585.00	Sensitive Receptor	Residential house, northeast of Concession Road 7 and Wellington Road 34 (7316 Wellington County Rd 34, Guelph)
SR14	566791.00, 4812988.00	Sensitive Receptor	Residential house, northeast of Concession Road 7 and Wellington Road 34 (4507 Concession Road 7, Guelph)

Figure 2-1: Sensitive Receptor Location within Study Area



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 Midblock Interchange infrastructure. Based on recommendations within the MTO Air Quality Guide[3], the air quality impact assessment included the following criteria air contaminants (CACs) 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).

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 CACs contributing to the regional GHG levels should be assessed within the full quantitative impact assessment. The contaminants associated with greenhouse gas (GHG) emissions for the quantitative impact assessment will include carbon dioxide (CO_2), nitrous oxide (N_2O), and methane (CH_4) and the impacts of these contaminants will be compared to the most recent available

3. 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).

annual transportation emissions from Ontario, in units of carbon equivalent (CO_2e) as reported by Natural Resources Canada (NRC)[4].

2.3 Relevant Air Quality Guidelines

The applicable standards for the CACs are regulated by the Ministry of Environment, Conservation and Parks (MECP) and Canadian Council of Ministers of the Environment (CCME) as the Ambient Air Quality Criteria (AAQC) and Canadian Ambient Air Quality Standards (CAAQS) respectively, as illustrated in **Table 2-2**.

Table 2-2: Summary of Applicable Guidelines and Standards

Criteria Air Contaminant	Source of Standard	Averaging Period	Air Quality Threshold Value (µg/m^3)
NO_2	Ambient Air Quality Criteria	One hour	400
NO_2	Ambient Air Quality Criteria	24 hours	200
NO_2 (1)	Canadian Ambient Air Quality Standards	One hour (2020)	113
NO_2 (1)	Canadian Ambient Air Quality Standards	Annual (2020)	32
NO_2 (1)	Canadian Ambient Air Quality Standards	One hour (2025)	79
NO_2 (1)	Canadian Ambient Air Quality Standards	Annual (2025)	23
CO	Ambient Air Quality Criteria	One hour	36,200
CO	Ambient Air Quality Criteria	Eight hours	15,700
SO_2 (2)	Ambient Air Quality Criteria	10-minute	178
SO_2 (2)	Ambient Air Quality Criteria	One hour	106
SO_2 (2)	Ambient Air Quality Criteria	Annual	11
SO_2 (3)	Canadian Ambient Air Quality Standards	One hour (2020)	183
SO_2 (3)	Canadian Ambient Air Quality Standards	Annual (2020)	13
SO_2 (3)	Canadian Ambient Air Quality Standards	One hour (2025)	170
SO_2 (3)	Canadian Ambient Air Quality Standards	Annual (2025)	10
PM_{10} (4)	Ambient Air Quality Criteria	24 hours	50
$PM_{2.5}$ (5)	Canadian Ambient Air Quality Standards	24 hours (2020)	27
$PM_{2.5}$ (5)	Canadian Ambient Air Quality Standards	Annual	8.8
Acetaldehyde	Ambient Air Quality Criteria	30-minute	500
Acetaldehyde	Ambient Air Quality Criteria	24 hours	500
Acrolein	Ambient Air Quality Criteria	One hour	4.5
Acrolein	Ambient Air Quality Criteria	24 hours	0.4
Benzene	Ambient Air Quality Criteria	24 hours	2.3
Benzene	Ambient Air Quality Criteria	Annual	0.45
Benzo(a)pyrene	Ambient Air Quality Criteria	24 hours	0.00005
Benzo(a)pyrene	Ambient Air Quality Criteria	Annual	0.00001
1,3-Butadiene	Ambient Air Quality Criteria	24 hours	10

4. Table 8 “GHG Emissions by Transportation Mode” from Natural Resource Canada’s Transportation Sector (Ontario) annual reporting database (2000 – 2018). Available electronically at: https://oee.nrcan.gc.ca/corporate/statistics/neud/dpa/showTable.cfm?type=CP&sector=tran&juris=on&rn=8&page=0

Criteria Air Contaminant	Source of Standard	Averaging Period	Air Quality Threshold Value (µg/m^3)
1,3-Butadiene	Ambient Air Quality Criteria	Annual	2
Formaldehyde	Ambient Air Quality Criteria	24 hours	65

Notes: (1) The Canadian Ambient Air Quality Standards air quality threshold for nitrogen dioxide is based on the three-year average of the annual 98th percentile of the daily maximum one-hour average concentrations.

(2) The Ambient Air Quality Standards for SO_2 are reported in parts per billion and converted using the factor 2.66 µg/m^3 of SO_2 per 1 ppb of SO_2 (at 20.0°C and 1 atmosphere, rounded).

(3) The Canadian Ambient Air Quality Standards Air Quality threshold for sulphur dioxide is based on the three-year average of the annual 99th percentile of the daily maximum one-hour average concentrations.

(4) The value of 50 µg/m^3 (24 hr) is an interim Ambient Air Quality Criteria and is provided as a guide for decision making.

(5) The Canadian Ambient Air Quality Standards Air Quality threshold for fine particulate ($PM_{2.5}$) is based on the 98th percentile ambient measurement (24-hour), annually averaged over three years.

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 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. Standards are presented to the Ministers along with a timetable for implementation and monitoring and public reporting programs. Ministers are responsible for implementing the standards within their own jurisdictions and promote consistency across the country.

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 (2017) and Future No-Build and Build conditions horizon year (2041). A copy of the emission inventory tables are included in **Appendix B** and the MOVES3.0 output is provided in **Appendix E**.

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 modelling software MOVES 3.0 for the Existing Conditions year (2017) and Future Conditions horizon year (2041). 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 CACs and greenhouse gas compounds from passenger vehicle, and heavy vehicle source types shown in Table (MOVES Source IDs 11, 21, 31, 32, 41, 42, 43, 51, 52, 53, 54, 61, and 62).

Table 2-3: MOVES 3.0 Source IDs

MOVES Source ID	Source Description
11	Motorcycle
21	Passenger Car
31	Passenger Truck
32	Light Commercial Truck
41	Intercity Bus
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 modelling software MOVES 3.0

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, Niagara 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:

- Running emissions;
- Start emissions;
- Evaporative emissions; and
- Particulate emissions from brake wear and tire wear.

Vehicular emissions from the Project were estimated using the MOVES3.0 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 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 7, representing vehicles travelling at 50 km/hr;
- Speed Bin ID 10, representing vehicles travelling at 70 km/hr; and
- Speed Bin ID 11, representing vehicles travelling at 80 km/hr.

2.5 Dispersion Modelling Assessment Methodology

The calculated emission inventory for the Project for all criteria air contaminants were modelled using the U.S. EPA CALINE3 based dispersion model, CAL3QHCR version 6.5.0[5]. 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 is capable of modelling 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 2016 – 2020 using raw meteorological data from the surface and upper air meteorological data stations 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 Project Study Area, including:

- Highway 6 North between Highway 401 and Maltby Road;
- Wellington Road 34;
- Concession Road 7; and

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

- New Midblock Interchange road sources (on-ramps, off-ramps, connecting roads between the Midblock Interchange and Wellington Road 34 and Concession Road 7, etc.).

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[6].

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 MOVES3.0 default database inputs.
2. Traffic assessments for the existing conditions year of 2017 remain representative of current-day traffic conditions; COVID-19 traffic influences on today's traffic conditions are excluded.
3. The 24-hour distribution of traffic data was assumed to be equal to the rural highway AADT distribution percentages estimated using the REALCOST program published by the U.S. Federal Highway Association.
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 Conditions.

6. 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 existing ambient air quality conditions were based on publicly available historical data from ambient air quality monitoring stations within Ontario. Data utilized was the most recent data available at the time of the preparation of the air quality impact assessment (May 2021). It was assumed that the existing ambient air quality would be representative of the conditions present in the Future Build and Future No-Build scenario. The following NAPS Air Quality monitoring stations were selected as representative of the ambient air quality of the Study Area:

- Guelph (NAPS ID 61802);
- Kitchener (NAPS ID 61502);
- Hamilton Downtown (NAPS ID 60512); and
- Simcoe Station (NAPS ID 62601);

These stations are nearest to the Study Area and monitored (in combination) all relevant contaminants for the study, since one station is unable to monitor all contaminants. Where multiple stations were found to monitor a common contaminant, the closest representative station was selected for the study. The Guelph station was selected where possible, due to its closest proximity to the Study Area. The Kitchener station was given secondary preference due to its proximity for available volatile organic contaminants, and the Simcoe Station was given preference as it is a representation of Southwestern Ontario rural environment and contains a full dataset for all other volatile organic contaminants, benzo(a)pyrene, and sulphur dioxide.

Details of the air quality monitoring stations closest to the Study Area for each station are provided in **Table 3-1**. **Figure 3-1** presents the locations of the four (4) air quality monitoring stations relative to the Study Area.

A copy of the air quality monitoring data are provided in **Appendix C**.

Table 3-1: Air Quality NAPS Monitoring Station Information

Station Information	Guelph Station	Hamilton Downtown Station	Simcoe Station	Kitchener Station
NAPS No.	61802	60512	62601	61502
Address	Exhibition St. & Clarke St. W. - Exhibition Park	Elgin St. & Kelly St. - Beasley Park, Hamilton	Queensway E. (Hwy 3) & Blue Line Road - Experimental Farm	West Avenue and Homewood Avenue
Year of Data Available	2015 - 2019	2015 - 2019	2015 - 2019	2015 - 2019
Latitude	43.55163	43.25778	42.85685	43.44383
Longitude	-80.26415	-79.86167	-80.26964	-80.50381
Station Type	Urban	Urban	Rural	Urban
Pollutants Measured	$PM_{2.5}$, NO_2, O_3	CO	Formaldehyde, Acetaldehyde, Benzo(a)pyrene, Acrolein (2015-2017), SO_2	Benzene, 1,3-Butadiene

Ambient monitoring data were utilized for all CACs for the respective appropriate averaging period combinations. The background concentration for each contaminant was also compared to the applicable provincial and federal standards for all applicable time averaging periods and percentile concentration, as shown within **Table 3-2**:

- 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 quality monitoring stations (the average value was calculated from the available years). The 90th percentile of available background data was used following the methodology outlined in the MTO Air Quality Guideline (2020).
- Annual ambient concentrations for the contaminants were obtained from the mean measurements from the representative air quality monitoring station (the average value was calculated from the available years).

Figure 3-1: Location of NAPS Monitoring Stations in Proximity to Mid-Block Interchange

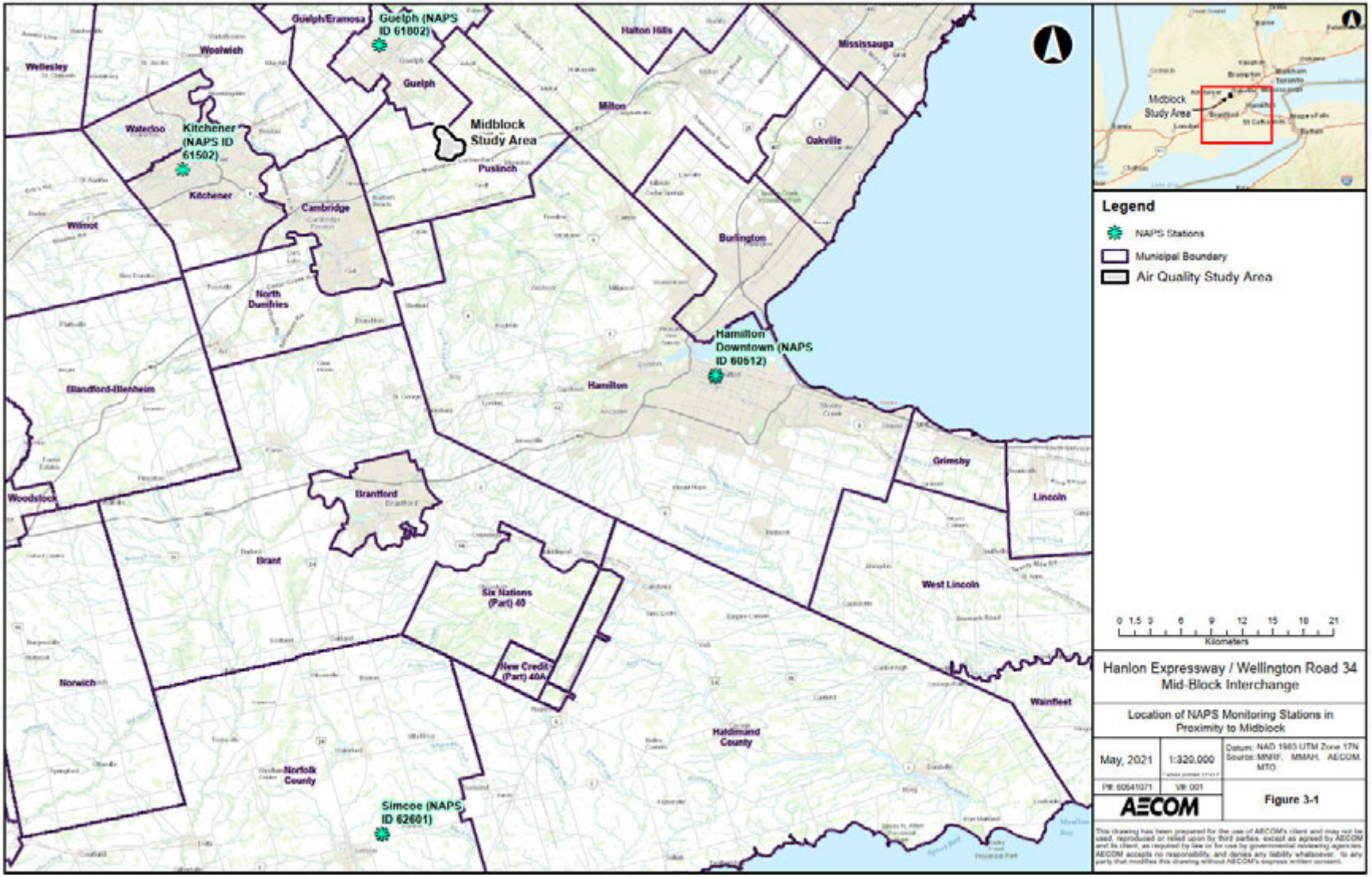


Table 3-2: Comparison of Existing Ambient Air Quality Data to Federal and Provincial Standards

Criteria Air Contaminant	NAPS Station	Averaging Period	Years	Average of Background Data (µg/m^3)	Statistical Measure	Criteria / Standard (µg/m^3)	Source	% of Criteria / Standard
NO_2	Guelph	One hour	2015-2019	26	90th Percentile	400	Ambient Air Quality Criteria	6%
NO_2	Guelph	One hour	2015-2019	26	90th Percentile	113	Canadian Ambient Air Quality Standards (2020)	23%
NO_2	Guelph	24 hours	2015-2019	22	90th Percentile	200	Ambient Air Quality Criteria	11%
NO_2	Guelph	Annual	2015-2019	13	Mean	32	Canadian Ambient Air Quality Standards (2020)	41%
CO	Hamilton	One hour	2015-2019	470	90th Percentile	36,200	Ambient Air Quality Criteria	1%
CO	Hamilton	8 hours	2015-2019	448	90th Percentile	15,700	Ambient Air Quality Criteria	3%
SO_2 (2)	Simcoe	10-minutes	2015-2019	13	90th Percentile	178	Ambient Air Quality Criteria	85%
SO_2	Simcoe	One hour	2015-2019	3	90th Percentile	106	Ambient Air Quality Criteria	31%
SO_2	Simcoe	One hour	2015-2019	3	90th Percentile	183	Canadian Ambient Air Quality Standards (2020)	18%
SO_2	Simcoe	Annual	2015-2019	1	Mean	11	Ambient Air Quality Criteria	100%
SO_2	Simcoe	Annual	2015-2019	1	Mean	13	Canadian Ambient Air Quality Standards (2020)	85%
PM_{10} (3)	--	24 hours	2015-2019	25	90th Percentile	50	Ambient Air Quality Criteria	49%
$PM_{2.5}$	Guelph	24 hours	2015-2019	13	90th Percentile	30	Ambient Air Quality Criteria	44%
$PM_{2.5}$	Guelph	24 hours	2015-2019	13	90th Percentile	27	Canadian Ambient Air Quality Standards (2020)	49%
$PM_{2.5}$	Guelph	Annual	2015-2019	7.3	Mean	8.8	Canadian Ambient Air Quality Standards (2020)	83%
Acetaldehyde (4)	Simcoe	30-minutes	2015-2019	3.10	90th Percentile	500	Ambient Air Quality Criteria	1%
Acetaldehyde	Simcoe	24 hours	2015-2019	1.05	90th Percentile	500	Ambient Air Quality Criteria	0%
Acrolein (5)	Simcoe	One hour	2015-2019	0.04	90th Percentile	4.5	Ambient Air Quality Criteria	1%
Acrolein	Simcoe	24 hours	2015-2019	0.02	90th Percentile	0.4	Ambient Air Quality Criteria	4%
Benzene	Kitchener	24 hours	2015-2019	0.68	90th Percentile	2.3	Ambient Air Quality Criteria	29%
Benzene	Kitchener	Annual	2015-2019	0.41	Mean	0.45	Ambient Air Quality Criteria	91%
Benzo(a)-pyrene	Simcoe	24 hours	2015-2019	4.44E-05	90th Percentile	0.00005	Ambient Air Quality Criteria	89%
Benzo(a)-pyrene	**Simcoe**	**Annual**	**2015-2019**	**2.11E-05**	**Mean**	**0.00001**	**Ambient Air Quality Criteria**	**211%**
1,3-Butadiene	Kitchener	24 hours	2015-2019	0.04	90th Percentile	10	Ambient Air Quality Criteria	0%

Criteria Air Contaminant	NAPS Station	Averaging Period	Years	Average of Background Data (µg/m^3)	Statistical Measure	Criteria / Standard (µg/m^3)	Source	% of Criteria / Standard
1,3-Butadiene	Kitchener	Annual	2015-2019	0.02	Mean	2	Ambient Air Quality Criteria	1%
Formaldehyde	Simcoe	24 hours	2015-2019	1.32	90th Percentile	65	Ambient Air Quality Criteria	2%

Notes: (1) Exceedances of the Ambient Air Quality Criteria and Canadian Ambient Air Quality Standards are shown in red.

(2) Concentrations of sulphur dioxide (SO_2) are measured on an hourly basis, background concentrations for the 30-minute averaging period have been converted using the Ministry of the Environment, Conservation and Parks' conversion factor where $C_{0.5hr} = C_{1hr} \times (1hr/0.5hr)^{0.28}$.

(3) PM_{10} was not included in National Air Pollution Surveillance air quality monitoring station measurements, and therefore was estimated using $PM_{2.5}$ measurements, assuming a ratio of 1 µg/m^3 PM_{10} per 0.54 µg/m^3 of PM2.5 as per Lall et al. publication in Atmospheric Environment, Estimation of historical annual $PM_{2.5}$ exposures for health effects assessment (Lall et al., 2004).

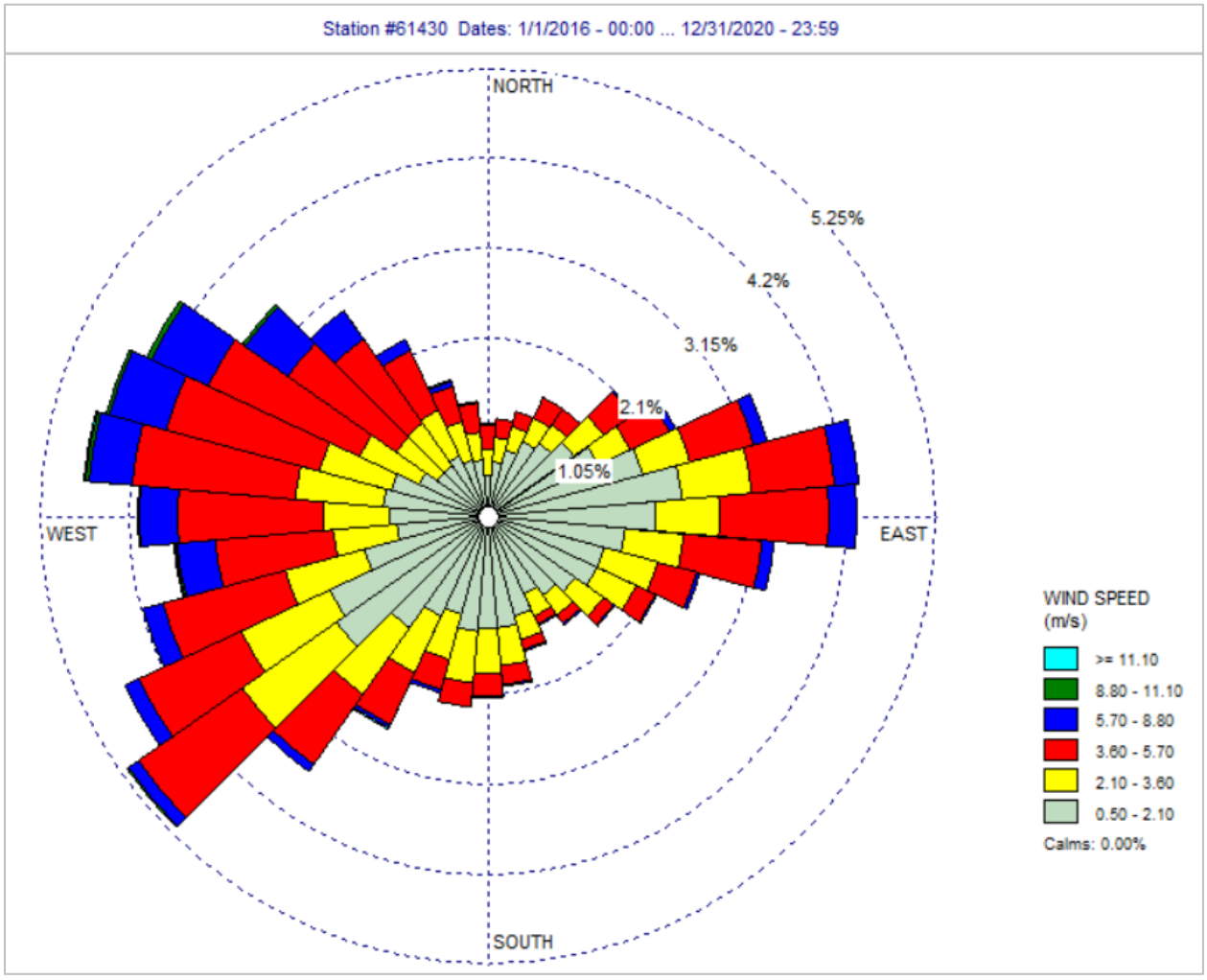
(4) Concentrations of acetaldehyde are measured on a 24 hour basis, background concentrations for the 30-minute averaging period have been converted using the Ministry of the Environment, Conservation and Parks' conversion factor where $C_{0.5hr} = C_{24hr} \times (24hr/0.5hr)^{0.28}$.

(5) Concentrations of acrolein are measured on a 24 hour basis, background concentrations for the hourly averaging period have been converted using the Ministry of the Environment, Conservation and Parks' conversion factor where $C_{1hr} = C_{24hr} \times (24hr/1hr)^{0.28}$.

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 are Guelph Turfgrass Station #61430, located at the Guelph Turfgrass Research Institute (328 Victoria Road South, Guelph). The station is approximately 8 kilometres north from the Study Area. Upper air data was obtained from the Buffalo New York air station. The wind rose for the five-year meteorological period (2016-2020) 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 west and southwest.

Figure 3-2: Wind Rose for Guelph Turfgrass Meteorological Station



4. Emission Inventory

4.1 Traffic Assessment

Three conditions were assessed 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, with only changes to anticipated traffic volume within the Study Area that would result in a difference to the air quality impact. The Future Build Condition includes new sources of traffic emission from proposed Project infrastructure.

Existing and projected future turning movement count (TMC) data and processed AADT volumes were provided by the MTO and AECOM's traffic engineering modelling for 2017 and future projected data for 2041.

The Ontario Traffic Manual (Book 12, July 2001) was referenced to be able to estimate appropriate annual averaged daily traffic volumes from AM Peak and PM Peak service volumes as provided within the TMC counts.

Each of the parameters were analyzed and are summarized separately in **Table B1** of **Appendix B**. The raw data and data summary tables for traffic volumes, vehicle speeds, etc. are provided within **Appendix D** in summary.

4.2 Emissions Modelling (U.S. EPA MOVES3.0)

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 break wear and tire wear. Where default data included in MOVES3.0 were deemed appropriate for the Study Area, the MOVES default data has been used. The default data used was from Niagara County (New York), USA, given the relative proximity to the Study Area.

Table 4-1: MOVES3.0 Input Data

Parameter	Input	Reference
Scale	County Scale & Project Scale	-
Representative County	Niagara County, New York	-
Calculation Type	Emission Rates & Inventory	-

Parameter	Input	Reference
Years of Evaluation	2017, 2041	-
Month of Evaluation	January and July	-
Temperature ˚C	Full set of average hourly temperatures, by month (January or July)	Environment Canada climate data (January/July 2017). Toronto Pearson Airport location.
Humidity	Full set of average hourly humidity readings, by month (January or July)	Environment Canada climate data (January/July 2017). Toronto Pearson Airport location.
Fuel Types	Default fuel mix (E85 reassigned to Gasoline)	MOVES3.0 Default
Vehicle Types	Source IDs 11, 21, 31, 32, 41, 42, 43, 51, 52, 53, 61, and 62	-
Vehicle Age Distribution	MOVES3.0 Default	U.S. EPA

Note: The temperature and humidity profiles at the Toronto Pearson Airport are considered to be representative of the Study Area, with comparable temperature and humidity profiles to Guelph.

The applicable emissions factors for all vehicle classes generated by MOVES, running as County Scale, for the existing condition and projected build years (2017 and 2041) with appropriate speed bins for the Study Area are summarized in **Appendix E**.

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-travelled (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 6 North was used to anticipate 24-hour variable distribution of emissions.

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). The vehicle fraction for each source type is shown in **Table 4-2**.

Table 4-2: Source Type Fractions (MOVES3.0)

Description	Fraction ID	Category ID	Source Type ID	2017 Fraction	2041 Fraction
Passenger/Light duty vehicles	P 11	C	11	0.034	0.038
Passenger/Light duty vehicles	P 21	C	21	0.429	0.478
Passenger/Light duty vehicles	P 31	C	31	0.481	0.433
Passenger/Light duty vehicles	P 32	C	32	0.056	0.051
Heavy Vehicles & Buses	H 41	H	41	0.061	0.067
Heavy Vehicles & Buses	H 42	H	42	0.083	0.060
Heavy Vehicles & Buses	H 43	H	43	0.137	0.099
Heavy Vehicles & Buses	H 51	H	51	0.025	0.024
Heavy Vehicles & Buses	H 52	H	52	0.008	0.008
Heavy Vehicles & Buses	H 53	H	53	0.036	0.033
Heavy Vehicles & Buses	H 61	H	61	0.004	0.005
Heavy Vehicles & Buses	H 62	H	62	0.618	0.675

Each source within the study area was identified for all assessment conditions as shown in **Table 4-3**.

Table 4-3: Existing Conditions – Source Identification

Source ID	Source Type	Heavy Vehicle %	Source Description
G1	Free Flow	0.147	Highway 6 North between Highway 401 and Maltby Road (Maltby Road – end of Study Area)
G2	Free Flow	0.147	Highway 6 North between Maltby Road and Laird Road (end of Study Area)
G3	Free Flow	0.147	Wellington Road 34 east of Highway 6 North
G4	Free Flow	0.147	Wellington Road 34 west of Highway 6 North
G16	Queue	0.147	Highway 6 North and Wellington Road 34 northbound approach
G17	Queue	0.147	Highway 6 North and Wellington Road 34 southbound approach
G18	Queue	0.147	Highway 6 North and Wellington Road 34 westbound approach
G19	Queue	0.147	Highway 6 North and Wellington Road 34 eastbound approach

Table 4-4: Future No Build Conditions – Source Identification

Source ID	Source Type	Heavy Vehicle %	Source Description
G1	Free Flow	0.147	Highway 6 North between Highway 401 and Maltby Road (Maltby Road – end of Study Area)
G2	Free Flow	0.147	Highway 6 North between Maltby Road and Laird Road (end of Study Area)
G3	Free Flow	0.17	Wellington Road east of Highway 6 North
G4	Free Flow	0.17	Wellington Road west of Highway 6 North
G16	Queue	0.16	Highway 6 North and Wellington Road 34 northbound approach
G17	Queue	0.16	Highway 6 North and Wellington Road 34 southbound approach
G18	Queue	0.17	Highway 6 North and Wellington Road 34 westbound approach
G19	Queue	0.17	Highway 6 North and Wellington Road 34 eastbound approach

Table 4-5: Future Build Conditions – Source Identification

Source ID	Source Type	Heavy Vehicle %	Source Description
G5	Free Flow	0.16	Highway 6 North of Highway 401 to Midblock (new)
G6	Free Flow	0.15	Highway 6 North Ramp Southeast/West
G7	Free Flow	0.1	Highway 6 North Ramp West-North
G8	Free Flow	0.17	Highway 6 North Ramp West-South
G9	Free Flow	0.16	Highway 6 North Ramp Northeast/West
G10	Free Flow	0.14	Highway 6 North Ramp East-South
G11	Free Flow	0.14	Highway 6 North Ramp East-North
G12	Free Flow	0.16	Wellington Connect eastbound
G13	Free Flow	0.16	Wellington Connect westbound
G14	Free Flow	0.16	Concession Road 7 between Wellington Road 34 and Midblock (start of Study Area)
G15	Free Flow	0.16	Concession Road 7 between Midblock and Maltby Road (end of Study Area)
G20	Queue	0.16	Wellington Road 34 and Midblock southbound approach
G21	Queue	0.16	Wellington Road 34 and Midblock eastbound approach
G22	Queue	0.16	Wellington Road 34 and Midblock westbound approach
G23	Queue	0.16	Wellington Road 34 and Concession Road 7 southbound approach
G24	Queue	0.16	Wellington Road 34 and Concession Road 7 northbound approach
G25	Queue	0.16	Wellington Road 34 and Concession Road 7 eastbound approach
G26	Queue	0.16	Wellington Road 34 and Concession Road 7 westbound approach
G27	Queue	0.16	Concession Road 7 and Midblock southbound approach
G28	Queue	0.16	Concession Road 7 and Midblock northbound approach
G29	Queue	0.16	Concession Road 7 and Midblock eastbound approach
G30	Queue	0.16	Southbound ramp and Midblock southbound approach
G31	Queue	0.16	Southbound ramp and Midblock eastbound approach
G32	Queue	0.16	Southbound ramp and Midblock westbound approach
G33	Queue	0.16	Northbound ramp and Midblock northbound approach
G34	Queue	0.16	Southbound ramp and Midblock westbound approach
G35	Queue	0.16	Northbound ramp and Midblock westbound approach

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 4-6 shows the predicted annual emissions for all CACs assessed during the Future Build Conditions (2041). **Table 4-7** shows the predicted annual GHG emissions assessed during the Future Build Conditions (2041).

Table 4-6: Annual CAC Emissions from All Sources of the Midblock Interchange, Future Build Conditions (2041)

Criteria Air Contaminant (CAC)	Total Annual Emissions Future Build (tonne)
NO_X	42.6
CO	178.8
SO_2	0.2
$PM_{2.5}$	4.3

Table 4-7: Annual GHG Emissions from All Sources of the Midblock Interchange, Future Build Conditions (2041)

GHG	Total Annual Emissions - Future Build (tonne)
CO_2	45,566
Methane	11.5
Nitrous Oxide	0.2
CO_2 Equivalent	45,910

5. Dispersion Modelling

Dispersion modelling was conducted with the U.S. Environmental Protection Agency (EPA) modelling 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 2016 – 2020 were prepared by the Ministry of Environment, Conservation and Parks (MECP) using PCRAMMET version 99169 for use in CAL3QHCR. The site-specific meteorological data referenced as the Guelph Turfgrass data was determined to be a reasonable reflection of the meteorological conditions of the Project Study Area. The upper air data from the U.S. National Weather Service's Buffalo station and surface data from the Environmental and Climate Change Canada's Guelph Turfgrass station were 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 receptors identified within the Study Area have been described within **Section 2.1** of this report in **Table 2-1**.

In addition to these sensitive receptors identified, the CAL3QHCR models were created with a grid of 60 m x 80 m receptor points within the Study Area, excluding grid receptors overlapping with the influence area surrounding the line volume sources 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 Environment Canada monitoring stations to calculate the concentrations of NO_2 at a given sensitive 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 NO2 : [NO2] = [O_3] + 0.1* [NO_X]

The concentration of ambient ozone was taken as the average of the maximum 90th percentile values (2015 to 2019) for measured ozone concentrations at the NAPS Guelph Station (NAPS ID 61802) as shown in **Table 5-1**. The NAPS Guelph Station is located approximately 8 km north of the Study Area. Based on proximity, it was chosen as the most representative station for the ozone background level assessment.

Table 5-1: Local Ambient Ozone Levels (90th Percentile Concentrations, µg/m^3)

Contaminant	Averaging Period	Data Source	2015	2016	2017	2018	2019	Average
O_3	1 hr	NAPS – Guelph Station	87	89	87	89	81	86
O_3	24 hr	NAPS – Guelph Station	75	77	76	78	71	75
O_3	Annual	NAPS – Guelph Station	55	56	56	57	52	55

The modelled maximum receptor grid and discrete receptor concentrations of NO_X for the Existing Conditions (2017), Future No-Build, and Future Build Conditions (2041) and the resulting calculated NO_2 concentration using the OLM method are shown below in **Table 5-2**. The resulting calculated NO_2 concentration using the OLM method for individual sensitive receptors are shown in **Appendix F**.

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

Condition: Year [1]	Averaging Period	Maximum Modelled NOx Concentration (ppb) [2]	Ambient O_3 (ppb)	OLM NO_2 (ppb)	OLM NO_2 ($\mu g/m^3$)	Sensitive Receptor Location at Maximum Concentration
EC: 2019	1 hour	162	89	105	198	SR3
EC: 2019	24 hours	22	78	22	41	SR7
EC: 2019	Annual	7	57	7	12	SR7
FNB: 2041	1 hour	45	89	45	85	SR7
FNB: 2041	24 hours	6	78	6	12	SR7
FNB: 2041	Annual	2	57	2	4	SR7
FB: 2041	1 hour	112	89	100	188	SR3
FB: 2041	24 hours	15	78	15	27	SR3
FB: 2041	Annual	3	57	3	6	SR3

Notes: (1) EC – Existing Conditions; FNB – Future No-Build Conditions; FBO - 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 25 degrees Celsius.

6. Air Quality Impact Assessment

6.1 Assessment of Modelling Results through "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 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 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.

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

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

Contaminant	Avg. Period	Background Conc. (µg/m³)	Percentile	Maximum Modelled Conc. (µg/m³)	Maximum Conc. Sensitive Receptor	Cumulative Conc. (µg/m³)	AAQC/ CAAQS (2020) Standard (µg/m³)	Standard Source	Max % of AAQC/ CAAQS (2020) Standard	Cumulative% of AAQC/ CAAQS (2020) Standard
NO_2	1 hour	26	90th	198	SR3	224	400	AAQC	49%	56%
NO_2	**1 hour**	**26**	**90th**	**198**	**SR3**	**224**	**113**	**CAAQS (2020)**	**175%**	**198%**
NO_2	24 hour	22	90th	41	SR7	63	200	AAQC	21%	32%
NO_2	Annual(4)	13	Average	12	SR7	24	32	CAAQS (2020)	38%	75%
CO	1 hour	470	90th	1,048	SR3	1519	36,200	AAQC	3%	4%
CO	8 hour	448	90th	263	SR3	710	15,700	AAQC	2%	5%
SO_2	10 min.	13	90th	3.1	SR3	16	178	AAQC	1%	9%
SO_2	1 hour	3	90th	1.9	SR3	5	183	CAAQS (2020)	1%	3%
SO_2	1 hour	3	90th	1.9	SR3	5	106	AAQC	2%	5%
SO_2	Annual(4)	1	Average	0.08	SR7	1	13	CAAQS (2020)	0%	8%
SO_2	Annual(4)	1	Average	0.08	SR7	1	11	AAQC	0%	9%
PM_{10}	24 hour	25	90th	13	SR7	38	50	AAQC	16%	76%
$PM_{2.5}$	24 hour	13	90th	3.6	SR7	17	30	AAQC	8%	55%
$PM_{2.5}$	24 hour	13	90th	3.6	SR7	17	27	CAAQS	9%	61%
$PM_{2.5}$	Annual(4)	7.3	Average	1.2	SR7	8.5	8.8	CAAQS	7%	97%
Acetaldehyde	0.5 hour	3.10	90th	0.28	SR7	3.38	500	AAQC	0%	0%
Acetaldehyde	24 hour	1.05	90th	0.09	SR7	1.14	500	AAQC	0%	0%
Acrolein	1 hour	0.04	90th	0.09	SR3	0.13	4.5	AAQC	2%	3%
Acrolein	24 hour	0.02	90th	0.01	SR7	0.03	0.4	AAQC	3%	7%
Benzene	24 hour	0.68	90th	0.14	SR7	0.82	2.3	AAQC	6%	36%
Benzene	**Annual(4)**	**0.41**	**Average**	**0.04**	**SR7**	**0.45**	**0.45**	**AAQC**	**6%**	**100%**
Benzo(a)-pyrene	**24 hour**	**4.44E-05**	**90th**	**1.32E-04**	**SR7**	**1.76E-04**	**0.00005**	**AAQC**	**229%**	**352%**
Benzo(a)-pyrene	**Annual(4)**	**2.11E-05**	**Average**	**3.93E-05**	**SR7**	**6.04E-05**	**0.00001**	**AAQC**	**269%**	**604%**
1,3-Butadiene	24 hour	0.04	90th	0.01	SR7	0.05	10	AAQC	0%	1%
1,3-Butadiene	Annual(4)	0.02	90th	0.004	SR7	0.024	2	AAQC	0%	1%
Formaldehyde	24 hour	1.32	90th	0.18	SR7	1.50	65	AAQC	0%	2%

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) Location of maximum concentration impact are shown in isopleth figures presented in **Appendix H**. Note that annual maximum impacts reflected in **Appendix G** are a reflection of 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 the table here.

(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 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 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.

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

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

Contaminant	Avg. Period	Background Conc. (µg/m^3)	Percentile	Maximum Modelled Conc. (µg/m^3)	Maximum Conc. Sensitive Receptor	Cumulative Conc. (µg/m^3)	AAQC/ CAAQS (2020) Standard (µg/m^3)	Standard Source	Max % of AAQC/ CAAQS (2020) Standard	Cumulative% of AAQC/ CAAQS (2020) Standard
NO_2	1 hour	26	90th	85	SR7	111	400	AAQC	12%	28%
NO_2	**1 hour**	**26**	**90th**	**85**	**SR7**	**111**	**79**	**CAAQS (2025)**	**105%**	**141%**
NO_2	24 hour	22	90th	12	SR7	34	200	AAQC	5%	17%
NO_2	Annual(4)	13	Average	4	SR7	17	23	CAAQS (2025)	11%	74%
CO	1 hour	470	90th	447	SR3	917	36,200	AAQC	1%	3%
CO	8 hour	448	90th	114	SR3	562	15,700	AAQC	1%	4%
SO_2	10 min.	13	90th	0.85	SR3	14	178	AAQC	0%	8%
SO_2	1 hour	3	90th	0.51	SR3	4	170	CAAQS (2025)	0%	2%
SO_2	1 hour	3	90th	0.51	SR3	4	106	AAQC	0%	4%
SO_2	Annual(4)	1	Average	0.02	SR7	1	13	CAAQS (2025)	0%	8%
SO_2	Annual(4)	1	Average	0.02	SR7	1	11	AAQC	0%	9%
PM_{10}	24 hour	25	90th	5	SR7	29	50	AAQC	8%	58%
$PM_{2.5}$	24 hour	13	90th	1.2	SR7	14	30	AAQC	3%	47%
$PM_{2.5}$	24 hour	13	90th	1.2	SR7	14	27	CAAQS	4%	52%
$PM_{2.5}$	Annual(4)	7.3	Average	0.4	SR7	7.7	8.8	CAAQS	3%	88%
Acetaldehyde	0.5 hour	3.10	90th	0.09	SR7	3.19	500	AAQC	0%	1%
Acetaldehyde	24 hour	1.05	90th	0.03	SR7	1.1	500	AAQC	0%	0%
Acrolein	1 hour	0.04	90th	0.01	SR3	0.05	4.5	AAQC	0%	1%
Acrolein	24 hour	0.02	90th	0.001	SR7	0.02	0.4	AAQC	0%	4%
Benzene	24 hour	0.68	90th	0.04	SR7	0.72	2.3	AAQC	2%	31%
Benzene	Annual(4)	0.41	Average	0.01	SR7	0.42	0.45	AAQC	2%	92%
Benzo(a)-pyrene	**24 hour**	**4.44E-05**	**90th**	**1.99E-05**	**SR7**	**6.43E-05**	**0.00005**	**AAQC**	**36%**	**128%**
Benzo(a)-pyrene	**Annual(4)**	**2.11E-05**	**Average**	**6.04E-06**	**SR4**	**2.71E-05**	**0.00001**	**AAQC**	**39%**	**271%**
1,3-Butadiene	24 hour	0.04	90th	0.00	--	0.04	10	AAQC	0%	0%
1,3-Butadiene	Annual(4)	0.02	90th	0.00	--	0.02	2	AAQC	0%	1%
Formaldehyde	24 hour	1.32	90th	0.04	SR7	1.36	65	AAQC	0%	2%

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) Location of maximum concentration impact are shown in isopleth figures compiled in **Appendix H**. Note that annual maximum impacts reflected in **Appendix G** are a reflection of 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 the table here.
(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 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 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 receptor is included in **Appendix G**. The isopleth figures showing maximum impact for all contaminants within Future Build Conditions are shown in **Appendix H**.

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

Contaminant	Avg. Period	Background Conc. (µg/m³)	Percentile	Maximum Modelled Conc. (µg/m³)	Maximum Conc. Sensitive Receptor	Cumulative Conc. (µg/m³)	AAQC/ CAAQS (2020) Standard (µg/m³)	Standard Source	Max % of AAQC/ CAAQS (2020) Standard	Cumulative% of AAQC/ CAAQS (2020) Standard
NO_2	1 hour	26	90th	188	SR3	214	400	AAQC	47%	54%
NO_2	**1 hour**	**26**	**90th**	**188**	SR3	**214**	**79**	**CAAQS (2025)**	**239%**	**271%**
NO_2	24 hour	22	90th	27	SR3	50	200	AAQC	14%	25%
NO_2	Annual(4)	13	Average	6	SR3	17	23	CAAQS (2025)	25%	76%
CO	1 hour	470	90th	1,129	SR3	1599	36,200	AAQC	3%	4%
CO	8 hour	448	90th	286	SR3	733	15,700	AAQC	2%	5%
SO_2	10 min.	13	90th	2.1	SR3	15	178	AAQC	0%	8%
SO_2	1 hour	3	90th	1.3	SR3	4	170	CAAQS (2025)	1%	2%
SO_2	1 hour	3	90th	1.3	SR3	4	106	AAQC	1%	4%
SO_2	Annual(4)	1	Average	0.03	SR3	1	13	CAAQS (2025)	0%	8%
SO_2	Annual(4)	1	Average	0.03	SR3	1	11	AAQC	0%	9%
PM_{10}	24 hour	25	90th	10	SR3	35	50	AAQC	20%	69%
$PM_{2.5}$	24 hour	13	90th	2.4	SR3	16	30	AAQC	8%	52%
$PM_{2.5}$	24 hour	3.10	90th	2.4	SR3	16	27	CAAQS	9%	58%
$PM_{2.5}$	Annual(4)	1.05	Average	0.6	SR3	7.9	8.8	CAAQS	7%	90%
Acetaldehyde	0.5 hour	3.10	90th	0.21	SR3	3.31	500	AAQC	0%	1%
Acetaldehyde	24 hour	1.05	90th	0.07	SR3	1.12	500	AAQC	0%	0%
Acrolein	1 hour	0.04	90th	0.03	SR3	0.07	4.5	AAQC	1%	1%
Acrolein	24 hour	0.02	90th	0.003	SR3	0.02	0.4	AAQC	1%	5%
Benzene	24 hour	0.68	90th	0.10	SR3	0.77	2.3	AAQC	4%	34%
Benzene	Annual(4)	0.41	Average	0.02	SR3	0.43	0.45	AAQC	4%	95%
Benzo(a)-pyrene	**24 hour**	**4.44E-05**	**90th**	**4.53E-05**	**SR3**	**8.97E-05**	**0.00005**	**AAQC**	**91%**	**179%**
Benzo(a)-pyrene	**Annual(4)**	**2.11E-05**	**Average**	**9.32E-06**	**SR3**	**3.04E-05**	**0.00001**	**AAQC**	**93%**	**304%**
1,3-Butadiene	24 hour	0.04	90th	0.0	--	0.04	10	AAQC	0%	0%
1,3-Butadiene	Annual(4)	0.02	90th	0.0	--	0.02	2	AAQC	0%	1%
Formaldehyde	24 hour	1.32	90th	0.09	SR3	1.41	65	AAQC	0%	2%

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) Location of maximum concentration impact are shown in isopleth figures compiled in **Appendix H**. Note that annual maximum impacts reflected in **Appendix G** are a reflection of 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 the table here.

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

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:

1. NO_2: Within the 1-hour averaging period threshold, shown to be exceeding from resulting Future Build modelled results at the representative sensitive receptor SR7. This averaging period is also shown to be exceeding at all other identified representative sensitive receptors within the Study Area.
   Table Reference: **Table 6-3**.
   Figure Reference: **Figure H24**, **Appendix H**
2. Benzo(a)pyrene: Within the 24-hour and annual averaging period thresholds, with the approximately equal contribution from both the background ambient air quality data and the Future Build modelled results. The location of highest impact is at the representative sensitive receptor SR7. This averaging period is also shown to be exceeding at all other identified representative sensitive receptors within the Study Area.
   Table Reference: **Table 6-3**.
   Figure Reference: **Figure H33**, **Appendix H**

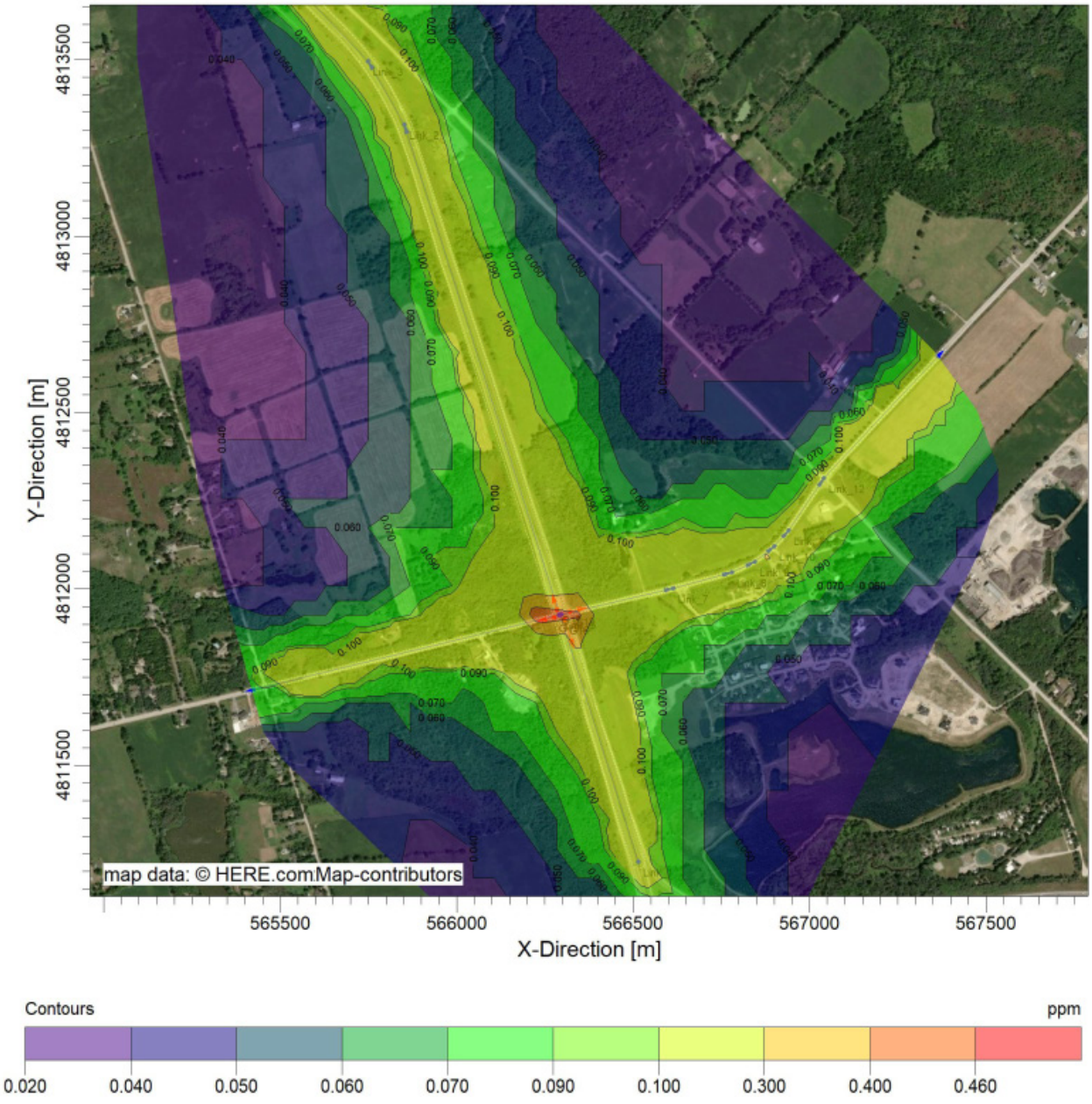
For benzo(a)pyrene, the ambient background concentration was a major contributor to the exceedance to the 24-hour and annual AAQC standards in combination with the modelled concentration. For the 1-hour NO_2 impacts, 20% of the cumulative concentration was due to the background concentration.

The isoconcentration contour maps for all contaminants showing each modelling scenario (Existing, Future No-Build, and Future Build Conditions) are provided in **Appendix H**.

For reference, **Figure 6-1** and **Figure 6-2** show the isoconcentration contours within the Study Area for the Future No-Build and Future Build Conditions of NO_2 for the 1-hour averaging period. As shown in the figures, the Future Build Conditions has a significant impact as compared to Future No-Build Conditions. This is primarily due to the projected increase in traffic volumes along Highway 6 North comparing the Future No-Build traffic data to the Future Build traffic data, specifically:

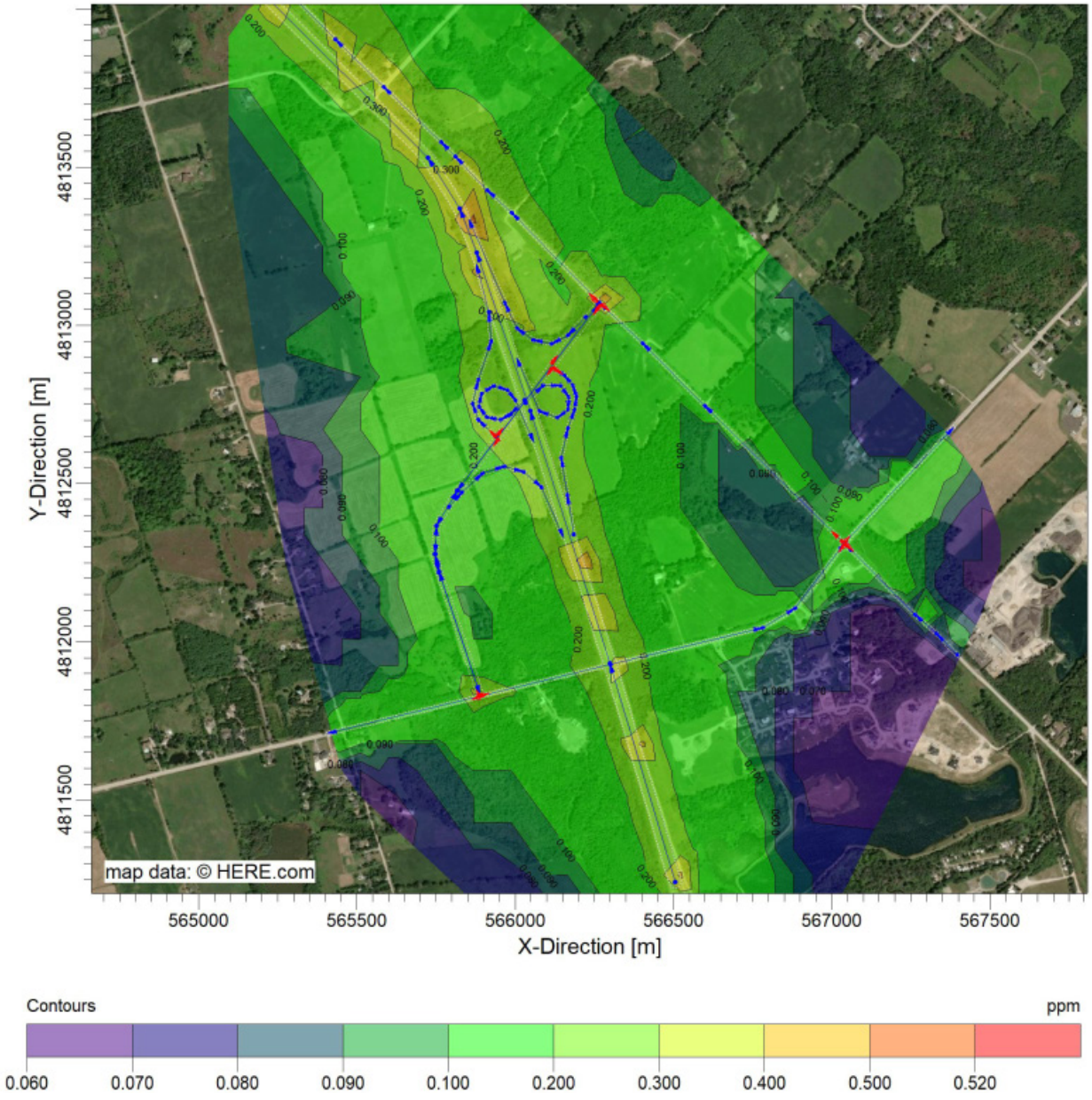
- 54,500 AADT for Future Build conditions along Highway 6 North vs.
- 28,390 AADT for Future No-Build conditions along Highway 6 North.
- This shows a 192% increase in traffic between the two scenarios for Highway 6 North.

Figure 6-1: Isoconcentration Contours of Midblock Interchange for NO_2,1-hour averaging period, Future No-Build Conditions



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

Figure 6-2: Isoconcentration Contours of Midblock Interchange for NO_2, 1-hour averaging period, Future Build Conditions



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

To show the percent change for the Future Build Conditions in comparison to the modelled Existing Conditions and Future No-Build Conditions, **Table 6-4** compares the cumulative concentration impact at the most impacted sensitive receptor, SR7, within the Project Study Area. The maximum concentrations at all modelled sensitive receptors (SR1-SR14) are included in **Appendix G**.

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

Contaminant	Averaging Period	Existing Conditions (µg/m³)	Future No-Build Conditions (µg/m³)	Future Build Conditions (µg/m³)	% Change from Existing Conditions	% Change from Future No-Build Conditions
NO_2	1 hour	198	85	188	-5%	121%
NO_2	24 hour	41	12	27	-34%	125%
NO_2	Annual	12	4	6	-50%	50%
CO	1 hour	1,048	447	1,129	8%	153%
CO	8 hour	263	114	286	9%	151%
SO_2	10 min.	3.1	0.85	2.1	-32%	147%
SO_2	1 hour	1.9	0.51	1.3	-32%	155%
SO_2	Annual	0.08	0.02	0.03	-63%	50%
PM_{10}	24 hour	13	5	10	-23%	100%
$PM_{2.5}$	24 hour	3.6	1.2	2.4	-33%	100%
$PM_{2.5}$	Annual	1.2	0.4	0.6	-50%	50%
Acetaldehyde	0.5 hour	0.28	0.09	0.21	-25%	133%
Acetaldehyde	24 hour	0.09	0.03	0.07	-22%	133%
Acrolein	1 hour	0.09	0.01	0.03	-67%	200%
Acrolein	24 hour	0.01	0.001	0.003	-70%	200%
Benzene	24 hour	0.14	0.04	0.10	-29%	150%
Benzene	Annual	0.04	0.01	0.02	-50%	100%
Benzo(a)pyrene	24 hour	1.32E-04	1.99E-05	4.53E-05	-66%	128%
Benzo(a)pyrene	Annual	3.93E-05	6.04E-06	9.32E-06	-76%	54%
1,3-Butadiene	24 hour	0.01	0.00	0.0	-100%	-%
1,3-Butadiene	Annual	0.004	0.00	0.0	-100%	-%
Formaldehyde	24 hour	0.18	0.04	0.09	-50%	125%

This table shows a relatively consistent increase of 121% on average for all contaminants due to the proposed Project compared to the Future No-Build scenario. This is due primarily to an anticipated increase in traffic along Highway 6 North, with traffic volumes almost doubling due to the implementation of Project infrastructure. This is also due to the location of maximum sensitive receptor impacts, where Existing Conditions and Future No-Build Conditions impact most prevalently at SR7 (close to the existing Wellington Road 34 and Highway 6 north interchange) and Future Build Conditions impact most prevalently at SR3, which is located closest to Highway 6 North, north of the future Mid-Block interchange design.

The variation in Project impact results when compared to the Existing Conditions is due to a decrease in individual contaminant exhaust emissions from projected MOVES 3.0 modelling and due to the increase in traffic conditions within the Project Study Area. Emissions from some contaminants are anticipated to decrease at a greater rate than others due to projected fuel combustion efficiencies in newer models of vehicles and projected fuel compositions within the future. An example of this is the anticipated

elimination of 1,3-butadiene as a contaminant from vehicle exhausts post 2040 due to increased efficiency of combustion within a projected future vehicle fleet.

6.1.5 Cumulative Frequency Analysis

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

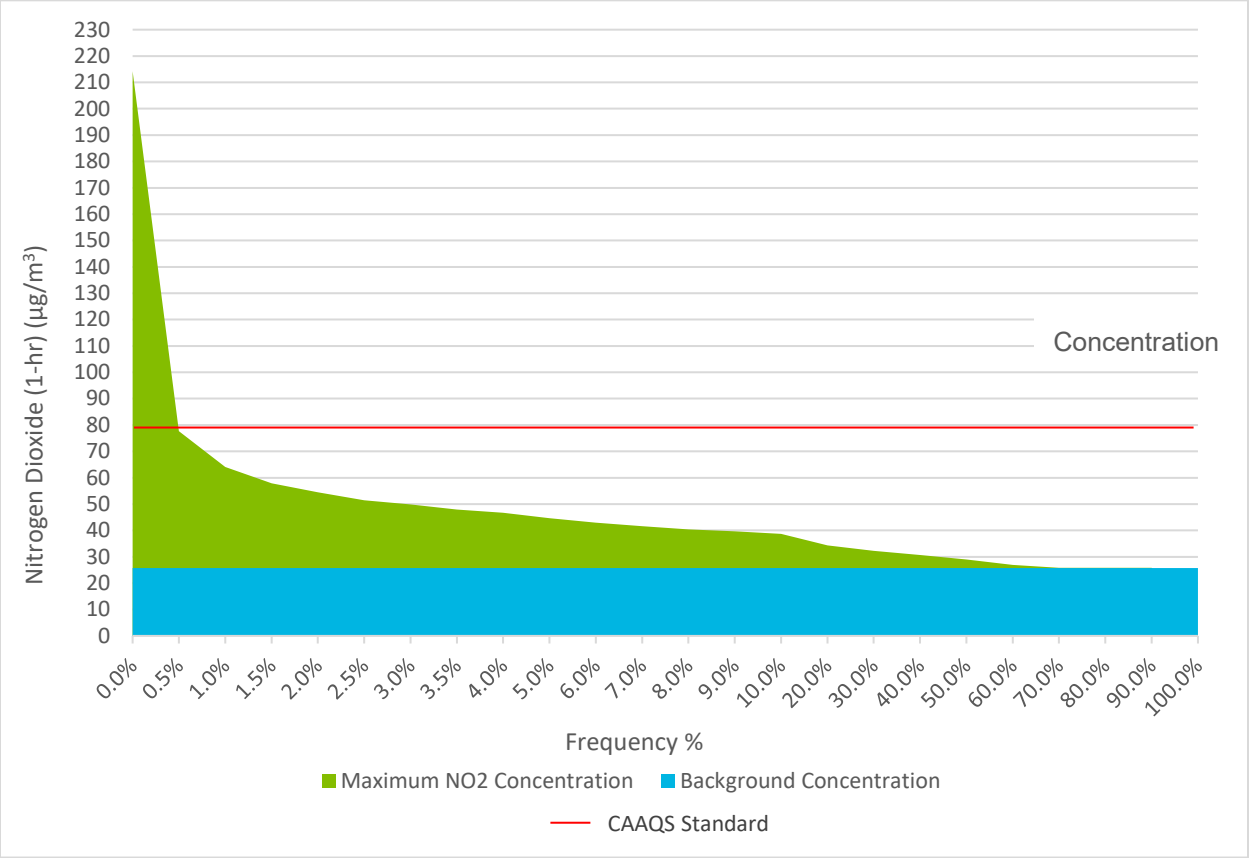
Figure 6-3 shows the cumulative frequency analysis curve representing the percentage of time at which the most impacted sensitive receptor is experiencing a concentration of NO_2 averaged over 1-hour, in relation to the federal limit.

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

- Most of the hours have a concentration below the CAAQS limit, with 0.1% of the hours with a concentration above the limit.
- The background level of NO_2 (1-hour) contributes approximately 33% of CAAQS limit.

The total number of hours at all receptors were analyzed to produce the total number of hours showing cumulative exceedance within the 5-year meteorological period. It was found that 208 hours of a total 43,848 hours resulted in an exceedance.

Figure 6-3: Future Build Cumulative Frequency Analysis (SR3) 1-hr NO_2



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

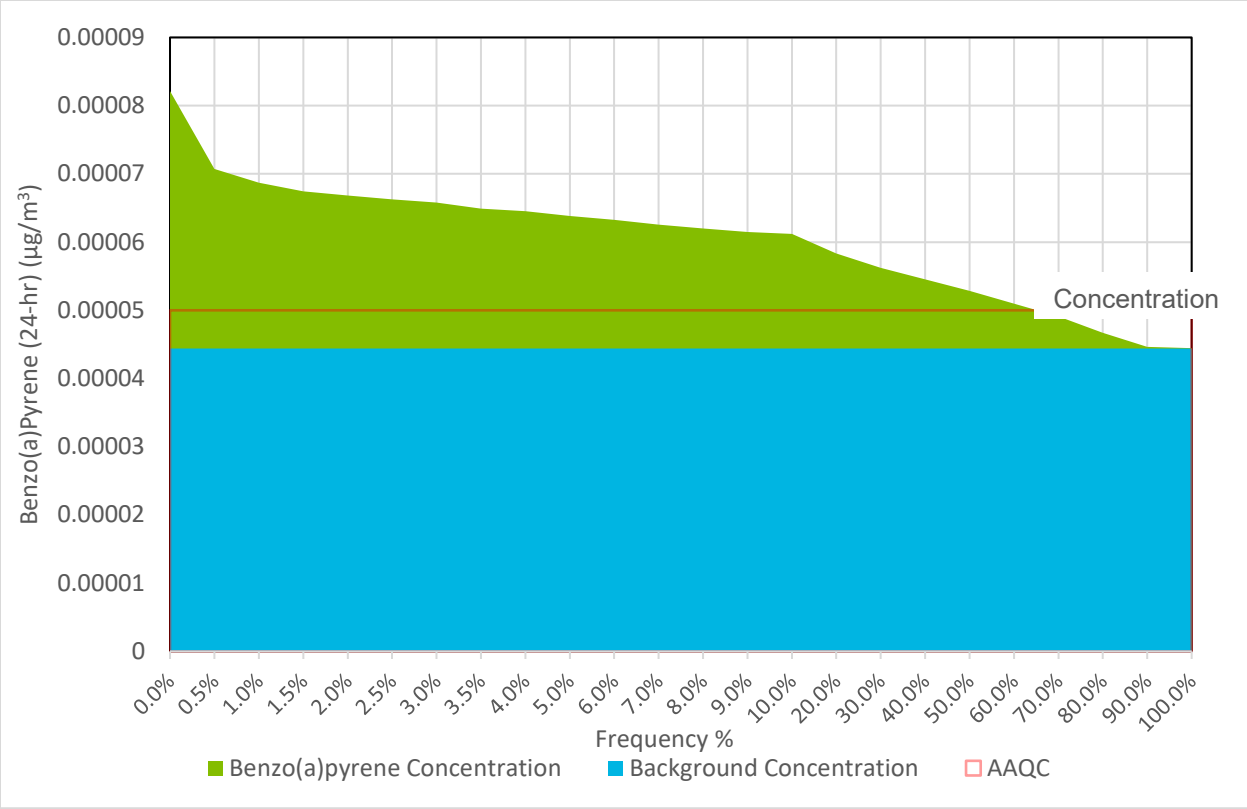
Figure 6-4 shows the cumulative frequency analysis curve representing the percentage of time at which the most impacted receptor is experiencing a concentration of benzo(a)pyrene averaged over 24-hour, in relation to the AAQC limit.

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

- Approximately 35% of the modelled days have a concentration below the AAQC limit, with approximately 65% of days above the AAQC limit.
- The background level of benzo(a)pyrene (24-hour) contributes approximately 89% of AAQC limit.

The total number of hours for all receptors were analyzed to produce the total number of hours showing cumulative exceedance within the 5-year meteorological period. It was found that 636 days of a total 1,827 days showed an exceedance.

Figure 6-4: Future Build Cumulative Frequency Analysis (SR3) 24-hr Benzo(a)Pyrene



6.2 Assessment of Modelling Results through "Regional Analysis"

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 emissions.

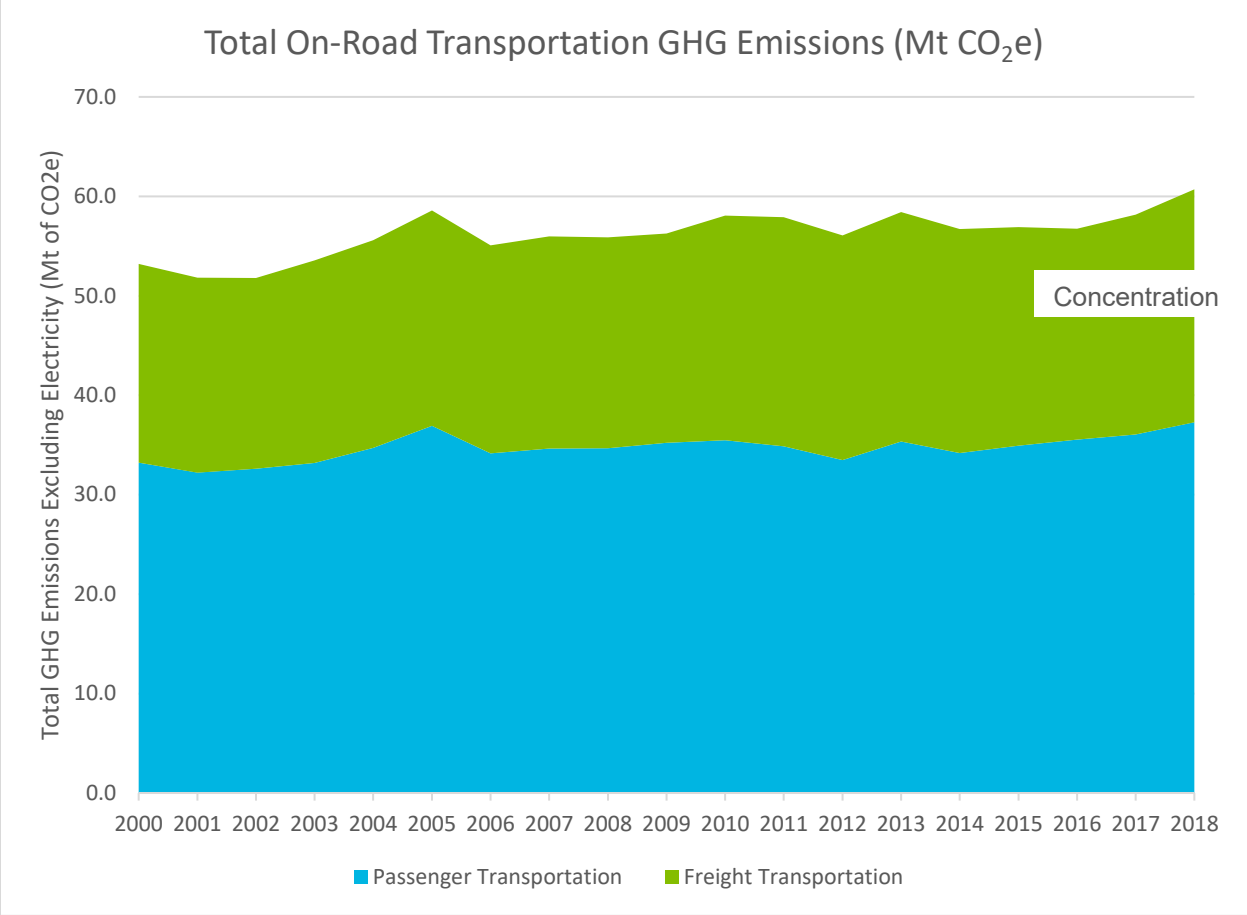
Individual greenhouse gases have differing abilities to absorb heat in the atmosphere. These varying heat absorption properties are quantified by an individual global warming potential (GWP) factor for each contaminant which converts the mass of a GHG to the representative equivalent mass of CO_2 ($CO_{2\,eq}$). 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* (2016) document, summarized for compounds of interest below in **Table 6-5**.

Table 6-5: Greenhouse Gas 100-year Global Warming Potentials

Greenhouse Gas	100-year GWP
Carbon dioxide (CO_2)	1
Methane (CH_4)	25
Nitrous oxide (N_2O)	298

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 2018, in megatons (Mt) of $CO_{2\,eq}$.

Figure 6-5: Trends in GHG Ontario Transportation Sector Emissions (2000-2018), National Resources Canada



Source: National Resources Canada - Comprehensive Energy Use Database:
Table 8: GHG Emissions by Transportation Mode[7]

The Project contributions of GHG in the Future Build year (2041) were compared to the 2018 $CO_{2\,eq}$ contributions from the Ontario Transportation sector, shown below in **Table 6-6**.

7. Table 8 “GHG Emissions by Transportation Mode” from Natural Resource Canada’s Transportation Sector (Ontario) annual reporting database (2000 – 2018). Available electronically at: https://oee.nrcan.gc.ca/corporate/statistics/neud/dpa/showTable.cfm?type=CP&sector=tran&juris=on&rn=8&page=0

Table 6-6: Greenhouse Gas Project Contribution Regional Assessment

Contaminant	Future Build (2041) (Mt) [1]	Ontario 2018 Reported GHG Emissions for the Transportation Sector [3] (Mt CO2 eq.)	% Future Build Project Contribution
Carbon dioxide (CO_2)	0.04557	-	-
Methane (CH_4)	1.15E-05	-	-
Nitrous Oxide (N_2O)	1.90E-07	-	-
CO_2 equivalent [2]	0.0459	60.7	0.08%

Notes: (1) Mt = Megatons
(2) CO_2 equivalent was calculated for the Future Build Condition using GWP conversion for N_2O and CH_4 (298 and 25, respectively)
(3) National Resource Canada: Table 8 “GHG Emissions by Transportation Mode”, Comprehensive Energy Use Database (accessed May 2021), excluding off-road emissions.

As shown above in **Table 6-6** the Project GHG contributions are less than 0.1% compared to the total Transportation 2018 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 watering 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:

- Ensuring all mobile equipment is in good condition, properly and regularly maintained, and compliant with applicable federal and provincial regulations for off-road diesel engines;
- Ensuring 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;
- Ensuring 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 or clodding 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

- Ensuring that the areas most impacted by particulate levels are vegetated (e.g., tree planting) where possible between the source of emission (e.g., Hanlon Parkway) 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 Project 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.

Potential mitigation actions to counteract the Project emission impacts are limited due to the Project's projected increase in vehicular travel along Highway 6 North. 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 within the provincial vehicle fleet will continue to reduce emission impacts from vehicles in the future.

As suggested within the construction mitigation section, areas affected by airborne particulates may be benefited by introducing vegetation (e.g., trees, shrubbery, etc.) 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. Conclusion and Recommendations

The results of the air quality impact assessment for the Midblock Interchange show that the addition of the proposed infrastructure will have a decreased impact on the sensitive receptors within the Study Area in comparison to Existing Conditions; however it will have an increased impact on air quality in comparison to Future No-Build Conditions. This is due primarily to the anticipated increase in traffic along the Highway 6 North between Future No-Build and Future Build conditions, which is not necessarily due to the Midblock Project infrastructure specifically, but due to the overall adjustments expected within the Project corridor (G.W.P. 3042-14-00 and G.W.P. 14-00-00). Anticipated decrease from Existing 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, the majority of the criteria air contaminants are expected to be below the respective provincial and federal air quality criteria.

There are two criteria air contaminants exhibiting cumulative concentrations above the respective provincial and/or federal air quality criteria, specifically the 1-hour averaging period of nitrogen dioxide (NO_2) and both the 24-hour and annual averaging periods of benzo(a)pyrene. The exceedance of nitrogen dioxide is expected to be due to the anticipated contributions from the Project within the Study Area. The exceedance of benzo(a)pyrene is expected to be due to both anticipated Project contributions and also to be due to increased levels of benzo(a)pyrene in the existing ambient air quality concentrations within the respective averaging periods.

Nitrogen dioxide levels from the Guelph NAPS station were measured in a predominantly suburban area. While this station is the closest monitoring station for ambient monitored data for this contaminant, it may still reflect higher levels of background concentration compared to the rural setting of the Midblock Interchange. In addition, the location of the most impacted sensitive receptor, SR7 (located northeast of Highway 6 North and Maltby Road) demonstrates an exceedance of the CAAQS (2025) limit, with modelled impacts approximately 50-75% greater than modelled at the other sensitive receptors within the Study Area. This is primarily due to the proximity of the receptor to Highway 6 North, which is expected to nearly double in traffic volumes in the future.

Benzo(a)pyrene concentrations are consistently high within the region of southern Ontario in comparison to the provincial air quality criteria for this contaminant. This may be due to influences on the general air shed within the region from heavy industry in the

Hamilton, Niagara, and GTA regions, as well as influences from industry across the border in the U.S. The relative contribution from the Project is still significant in comparison to the provincial air quality criteria and is predominantly due to expected increase in vehicular traffic along Highway 6 North.

The regional meteorological data suggests a predominant wind blowing from the west/southwest direction, directly towards the closest and most impacted receptor for the Project (SR7). Cumulative frequency analysis for exceedances indicate cumulative impacts above the recommended NO_2 1-hour CAAQS standards and benzo(a)pyrene 24-hour AAQC standards for 0.1% and 65% of the total meteorological hourly and daily data values during a five-year period, respectively.

Mitigation during the operation of this infrastructure includes promotion of a continued increase of the number of electric vehicles within the general vehicle fleets operating within the Province of Ontario and implementation of vegetation within the Project Study Area to reduce particulate dispersion.

Table 7-1 summarizes the impacts which are expected to result from the implementation of this Project.

Table 7-1: 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.	■ Continued promotion of increased electric vehicle purchase and infrastructure within Ontario. ■ Implementation of vegetation within the Project Study Area to decrease ground level dispersion of particulates.	■ 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 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 potential mitigation are provided in **Section 6.5.1.** – Include explicit commitment to the implementation of all 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 Ministry of Environment, Conservation and Parks' Technical Bulletin	■ 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 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. The list of contaminants will be expanded to include other air pollutants that may be produced as a result of the work. – Application of threshold "Action Level" triggers for implementation of specific and increasing intensity mitigation activities. – If continuous monitoring is deemed necessary, performance of on-site meteorological monitoring in conjunction

Air Quality Condition	Potential Effect	Mitigation Measure(s)	Monitoring
		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.	with real-time continuous monitoring representative of receptor impacts. – If continuous monitoring is deemed necessary, placement of monitors both upwind and downwind of construction activities, where possible. – If continuous monitoring is deemed necessary, performance of baseline monitoring 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 Ministry of the Environment, Conservation and Parks (MECP) *Operations Manual for Air Quality Monitoring in Ontario* (2018).

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Support Centre for Regulatory Atmospheric Modelling (SCRAM)

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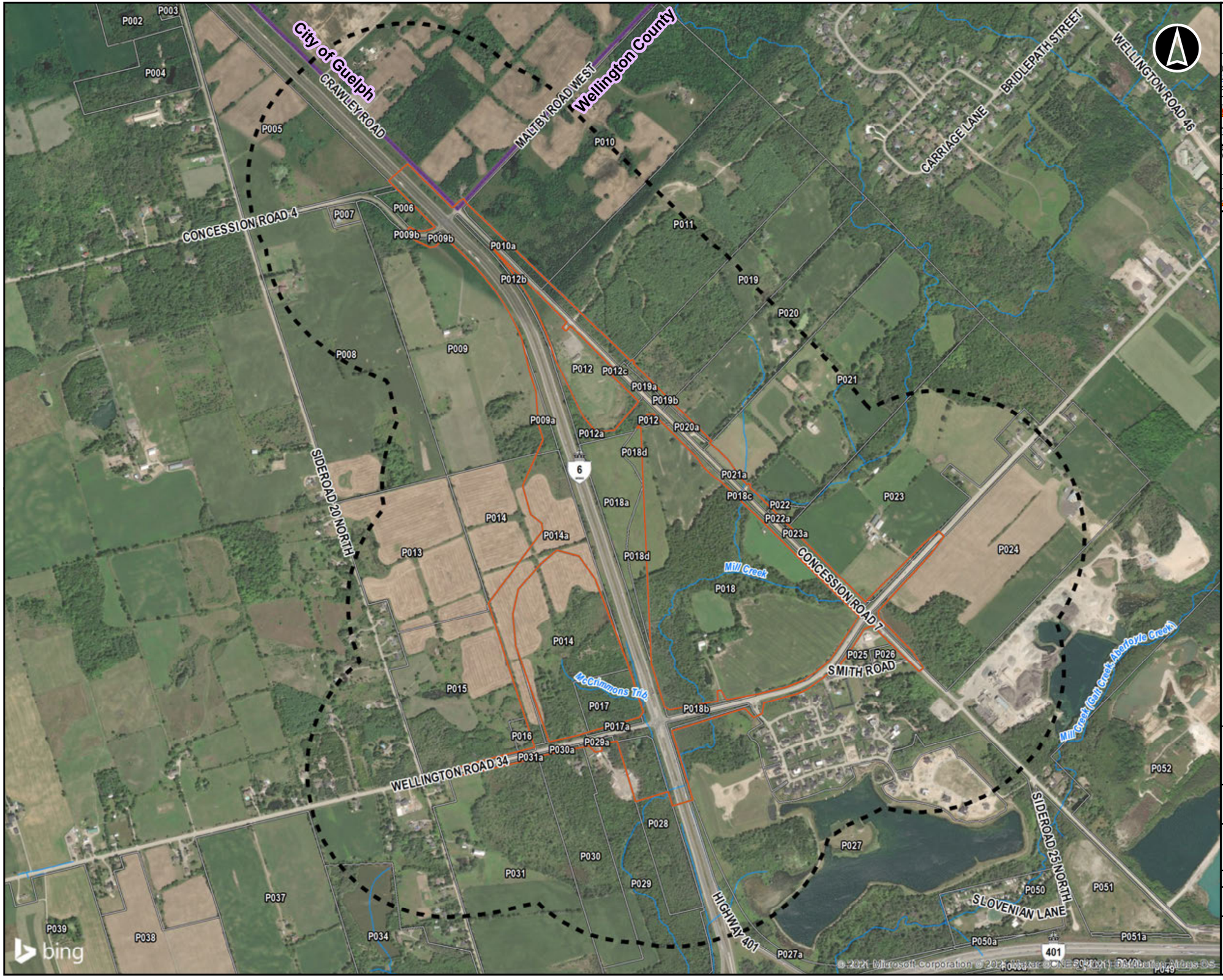
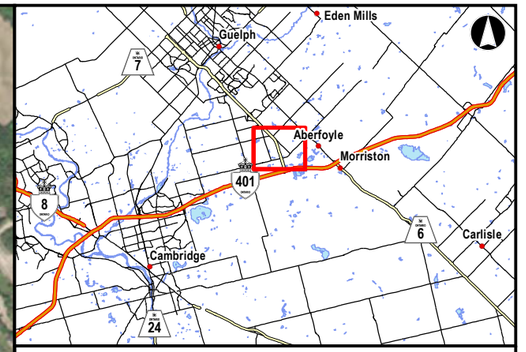
Appendix A

Figures





Legend

- Watercourse
- P021 — Property Fabric
- Municipal Boundary
- Limits of Work
- Air Quality Area of Investigation (Study Area)

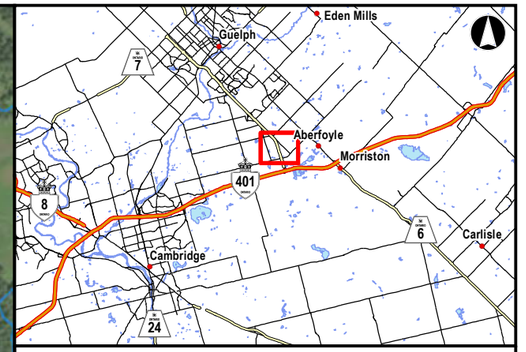
0 — 0.475 — 0.95
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Air Quality Impact Assessment Study Area

May, 2021	1:13,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	**Figure A1**

AECOM



Legend

Midblock Design Plan

- Design Plan
- Culverts
- Slopes
- Watercourse
- Property Fabric (P021)
- Municipal Boundary
- Limits of Work

0 0.35 0.7
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Midblock Interchange Proposed Design

May, 2021	1:9,500 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	**Figure A2**

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Appendix B

Traffic Assessment & Emission Summary Tables

Highway 401 and Highway 6 Improvements: Highway 6 North Mid-Block Interchange

Table B-1: Highway 6 North Mid-Block Interchange Traffic Data Summary - Annual Averaged Daily Traffic (AADT)

				Existing Conditions	Future No Build Conditions	Future Build Out Conditions
Source Location	**Description**	**Modeling ID**	**Veh. Type**	**2017 AADT**	**2041 AADT**	**2041 AADT**
Travelling Vehicle Traffic Sources						
HWY 6 N	between HWY 401 and MALTBY RD (Maltby Rd - end of SA)	G1	CAR	21,334	23,848	--
			TRK	3,676	4,542	--
HWY 6 N	between MALTBY RD and LAIRD RD (end of SA)	G2	CAR	21,334	23,848	--
			TRK	3,676	4,542	--
RR34	EAST of HWY 6N	G3	CAR	5,108	18,787	6,225
			TRK	880	3,848	1,275
RR34	WEST of HWY 6N	G4	CAR	3,053	14,259	12,035
			TRK	526	2,921	2,465
HWY 6N	HWY 401 to MIDBLOCK (new)	G5	CAR	--	--	45,780
			TRK	--	--	8,720
HWY 6N	RAMP S-EW	G6	CAR	--	--	4,250
			TRK	--	--	750
HWY 6N	RAMP W-N	G7	CAR	--	--	2,520
			TRK	--	--	280
HWY 6N	RAMP W-S	G8	CAR	--	--	2,822
			TRK	--	--	578
HWY 6N	RAMP N-EW	G9	CAR	--	--	4,536
			TRK	--	--	864
HWY 6N	RAMP E-S	G10	CAR	--	--	3,182
			TRK	--	--	518
HWY 6N	RAMP E-N	G11	CAR	--	--	3,096
			TRK	--	--	504
WELLINGTON	WELLINGTON connect EB	G12	CAR	--	--	5,124
			TRK	--	--	976
WELLINGTON	WELLINGTON connect WB	G13	CAR	--	--	4,116
			TRK	--	--	784
CONCESSION ROAD 7	between RR34 (WELLINGTON) and MIDBLOCK (start of SA)	G14	CAR	--	--	4,767
			TRK	--	--	841
CONCESSION ROAD 7	between MIDBLOCK and MALTBY ROAD (end of SA)	G15	CAR	--	--	5,753
			TRK	--	--	1,015
Signalized Vehicle Traffic Sources						
HWY 6N and WELLINGTON	NORTHBOUND APPROACH	G16	CAR	10,468	11,924	--
			TRK	1,804	2,271	--
HWY 6N and WELLINGTON	SOUTHBOUND APPROACH	G17	CAR	9,850	11,924	--
			TRK	1,698	2,271	--
HWY 6N and WELLINGTON	WESTBOUND APPROACH	G18	CAR	2,504	9,394	--
			TRK	432	1,924	--
HWY 6N and WELLINGTON	EASTBOUND APPROACH	G19	CAR	1,442	7,130	--
			TRK	249	1,460	--
WELLINGTON (RR34) and MIDBLOCK	SOUTHBOUND APPROACH	G20	CAR	--	--	2,196
			TRK	--	--	388
WELLINGTON (RR34) and MIDBLOCK	EASTBOUND APPROACH	G21	CAR	--	--	5,052
			TRK	--	--	892
WELLINGTON (RR34) and MIDBLOCK	WESTBOUND APPROACH	G22	CAR	--	--	3,114
			TRK	--	--	550
WELLINGTON (RR34) and CONCESSION	SOUTHBOUND APPROACH	G23	CAR	--	--	5,671

Table B-1: Highway 6 North Mid-Block Interchange Traffic Data Summary - Annual Averaged Daily Traffic (AADT)

				Existing Conditions	Future No Build Conditions	Future Build Out Conditions
Source Location	**Description**	**Modeling ID**	**Veh. Type**	**2017 AADT**	**2041 AADT**	**2041 AADT**
ROAD 7	SOUTHBOUND APPROACH	G23	TRK	--	--	1,001
WELLINGTON (RR34) and CONCESSION ROAD 7	NORTHBOUND APPROACH	G24	CAR	--	--	530
			TRK	--	--	94
WELLINGTON (RR34) and CONCESSION ROAD 7	EASTBOUND APPROACH	G25	CAR	--	--	3,033
			TRK	--	--	535
WELLINGTON (RR34) and CONCESSION ROAD 7	WESTBOUND APPROACH	G26	CAR	--	--	5,658
			TRK	--	--	998
CONCESSION ROAD 7 and MIDBLOCK	SOUTHBOUND APPROACH	G27	CAR	--	--	5,086
			TRK	--	--	898
CONCESSION ROAD 7 and MIDBLOCK	NORTHBOUND APPROACH	G28	CAR	--	--	3,801
			TRK	--	--	671
CONCESSION ROAD 7 and MIDBLOCK	EASTBOUND APPROACH	G29	CAR	--	--	3,794
			TRK	--	--	670
SB RAMP and MIDBLOCK	SOUTHBOUND APPROACH	G30	CAR	--	--	2,734
			TRK	--	--	482
SB RAMP and MIDBLOCK	EASTBOUND APPROACH	G31	CAR	--	--	2,978
			TRK	--	--	526
SB RAMP and MIDBLOCK	WESTBOUND APPROACH	G32	CAR	--	--	2,604
			TRK	--	--	460
NB RAMP and MIDBLOCK	NORTHBOUND APPROACH	G33	CAR	--	--	3,080
			TRK	--	--	544
NB RAMP and MIDBLOCK	EASTBOUND APPROACH	G34	CAR	--	--	1,639
			TRK	--	--	289
NB RAMP and MIDBLOCK	WESTBOUND APPROACH	G35	CAR	--	--	4,189
			TRK	--	--	739

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Highway 401 and Highway 6 Improvements: Highway 6 North Mid-Block Interchange

Table B-2: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Existing Conditions (2017)

Source Information					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	80	11	1	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	2	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	3	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	4	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	5	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	6	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	7	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	8	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	9	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0007	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	10	2	7.4865	0.9426	0.0148	0.1259	0.0339	0.0086	0.0007	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	11	2	7.8666	0.9426	0.0148	0.1259	0.0339	0.0087	0.0007	0.0037	0.0024	0.0000038	0.0002
G1C	80	11	12	2	8.1496	0.9426	0.0148	0.1259	0.0339	0.0087	0.0007	0.0037	0.0024	0.0000038	0.0002
G1C	80	11	13	2	8.2898	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002
G1C	80	11	14	2	8.4178	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002
G1C	80	11	15	2	8.5064	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002
G1C	80	11	16	2	8.4653	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002
G1C	80	11	17	2	8.4271	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002
G1C	80	11	18	2	8.3306	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002
G1C	80	11	19	2	8.1208	0.9426	0.0148	0.1259	0.0339	0.0087	0.0007	0.0037	0.0024	0.0000038	0.0002
G1C	80	11	20	2	7.7912	0.9426	0.0148	0.1259	0.0339	0.0087	0.0007	0.0037	0.0024	0.0000038	0.0002
G1C	80	11	21	2	7.2926	0.9426	0.0148	0.1259	0.0339	0.0086	0.0007	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	22	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	23	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G1C	80	11	24	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	1	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	2	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	3	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	4	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	5	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	6	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	7	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	8	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	9	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0007	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	10	2	7.4865	0.9426	0.0148	0.1259	0.0339	0.0086	0.0007	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	11	2	7.8666	0.9426	0.0148	0.1259	0.0339	0.0087	0.0007	0.0037	0.0024	0.0000038	0.0002
G2C	80	11	12	2	8.1496	0.9426	0.0148	0.1259	0.0339	0.0087	0.0007	0.0037	0.0024	0.0000038	0.0002
G2C	80	11	13	2	8.2898	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002
G2C	80	11	14	2	8.4178	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002
G2C	80	11	15	2	8.5064	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002
G2C	80	11	16	2	8.4653	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002
G2C	80	11	17	2	8.4271	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002
G2C	80	11	18	2	8.3306	0.9426	0.0148	0.1259	0.0339	0.0088	0.0007	0.0037	0.0024	0.0000038	0.0002

Table B-2: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Existing Conditions (2017)

Source Information					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	80	11	19	2	8.1208	0.9426	0.0148	0.1259	0.0339	0.0087	0.0007	0.0037	0.0024	0.0000038	0.0002
G2C	80	11	20	2	7.7912	0.9426	0.0148	0.1259	0.0339	0.0087	0.0007	0.0037	0.0024	0.0000038	0.0002
G2C	80	11	21	2	7.2926	0.9426	0.0148	0.1259	0.0339	0.0086	0.0007	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	22	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	23	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G2C	80	11	24	2	7.2733	0.9426	0.0148	0.1259	0.0339	0.0085	0.0006	0.0036	0.0024	0.0000038	0.0002
G3C	80	11	1	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G3C	80	11	2	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G3C	80	11	3	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G3C	80	11	4	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G3C	80	11	5	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G3C	80	11	6	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G3C	80	11	7	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G3C	80	11	8	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G3C	80	11	9	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0087	0.0007	0.0036	0.0024	0.0000043	0.0002
G3C	80	11	10	3	7.5683	0.9610	0.0148	0.3126	0.0800	0.0088	0.0007	0.0037	0.0024	0.0000043	0.0002
G3C	80	11	11	3	7.9510	0.9610	0.0148	0.3126	0.0800	0.0088	0.0007	0.0037	0.0024	0.0000043	0.0002
G3C	80	11	12	3	8.2359	0.9610	0.0148	0.3126	0.0800	0.0089	0.0007	0.0037	0.0024	0.0000043	0.0002
G3C	80	11	13	3	8.3771	0.9610	0.0148	0.3126	0.0800	0.0089	0.0007	0.0038	0.0024	0.0000043	0.0002
G3C	80	11	14	3	8.5060	0.9610	0.0148	0.3126	0.0800	0.0089	0.0007	0.0038	0.0024	0.0000043	0.0002
G3C	80	11	15	3	8.5952	0.9610	0.0148	0.3126	0.0800	0.0090	0.0007	0.0038	0.0024	0.0000043	0.0002
G3C	80	11	16	3	8.5538	0.9610	0.0148	0.3126	0.0800	0.0090	0.0007	0.0038	0.0024	0.0000043	0.0002
G3C	80	11	17	3	8.5154	0.9610	0.0148	0.3126	0.0800	0.0089	0.0007	0.0038	0.0024	0.0000043	0.0002
G3C	80	11	18	3	8.4182	0.9610	0.0148	0.3126	0.0800	0.0089	0.0007	0.0038	0.0024	0.0000043	0.0002
G3C	80	11	19	3	8.2070	0.9610	0.0148	0.3126	0.0800	0.0089	0.0007	0.0037	0.0024	0.0000043	0.0002
G3C	80	11	20	3	7.8750	0.9610	0.0148	0.3126	0.0800	0.0088	0.0007	0.0037	0.0024	0.0000043	0.0002
G3C	80	11	21	3	7.3816	0.9610	0.0148	0.3126	0.0800	0.0087	0.0007	0.0037	0.0024	0.0000043	0.0002
G3C	80	11	22	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0087	0.0007	0.0036	0.0024	0.0000043	0.0002
G3C	80	11	23	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0087	0.0007	0.0036	0.0024	0.0000043	0.0002
G3C	80	11	24	3	7.3644	0.9610	0.0148	0.3126	0.0800	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	1	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	2	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	3	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	4	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	5	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	6	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	7	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	8	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	9	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0087	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	10	3	7.5683	0.9610	0.0148	0.8326	0.2058	0.0088	0.0007	0.0037	0.0024	0.0000043	0.0002
G4C	80	11	11	3	7.9510	0.9610	0.0148	0.8326	0.2058	0.0088	0.0007	0.0037	0.0024	0.0000043	0.0002
G4C	80	11	12	3	8.2359	0.9610	0.0148	0.8326	0.2058	0.0089	0.0007	0.0037	0.0024	0.0000043	0.0002
G4C	80	11	13	3	8.3771	0.9610	0.0148	0.8326	0.2058	0.0089	0.0007	0.0038	0.0024	0.0000043	0.0002

Table B-2: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Existing Conditions (2017)

Source Information					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	80	11	14	3	8.5060	0.9610	0.0148	0.8326	0.2058	0.0089	0.0007	0.0038	0.0024	0.0000043	0.0002
G4C	80	11	15	3	8.5952	0.9610	0.0148	0.8326	0.2058	0.0090	0.0007	0.0038	0.0024	0.0000043	0.0002
G4C	80	11	16	3	8.5538	0.9610	0.0148	0.8326	0.2058	0.0090	0.0007	0.0038	0.0024	0.0000043	0.0002
G4C	80	11	17	3	8.5154	0.9610	0.0148	0.8326	0.2058	0.0089	0.0007	0.0038	0.0024	0.0000043	0.0002
G4C	80	11	18	3	8.4182	0.9610	0.0148	0.8326	0.2058	0.0089	0.0007	0.0038	0.0024	0.0000043	0.0002
G4C	80	11	19	3	8.2070	0.9610	0.0148	0.8326	0.2058	0.0089	0.0007	0.0037	0.0024	0.0000043	0.0002
G4C	80	11	20	3	7.8750	0.9610	0.0148	0.8326	0.2058	0.0088	0.0007	0.0037	0.0024	0.0000043	0.0002
G4C	80	11	21	3	7.3816	0.9610	0.0148	0.8326	0.2058	0.0087	0.0007	0.0037	0.0024	0.0000043	0.0002
G4C	80	11	22	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0087	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	23	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0087	0.0007	0.0036	0.0024	0.0000043	0.0002
G4C	80	11	24	3	7.3644	0.9610	0.0148	0.8326	0.2058	0.0086	0.0007	0.0036	0.0024	0.0000043	0.0002
G16C	0	0	1	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G16C	0	0	2	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G16C	0	0	3	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G16C	0	0	4	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G16C	0	0	5	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G16C	0	0	6	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G16C	0	0	7	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G16C	0	0	8	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G16C	0	0	9	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0705	0.0085	0.0444	0.0295	0.000030	0.0029
G16C	0	0	10	1	25.7360	2.9811	0.1462	0.1384	0.1259	0.0708	0.0085	0.0447	0.0295	0.000030	0.0029
G16C	0	0	11	1	25.7360	3.5755	0.1462	0.1384	0.1259	0.0711	0.0085	0.0449	0.0295	0.000030	0.0029
G16C	0	0	12	1	25.7360	4.0297	0.1462	0.1384	0.1259	0.0713	0.0086	0.0450	0.0295	0.000030	0.0029
G16C	0	0	13	1	25.7360	4.2791	0.1462	0.1384	0.1259	0.0714	0.0086	0.0451	0.0295	0.000030	0.0029
G16C	0	0	14	1	25.7360	4.4636	0.1462	0.1384	0.1259	0.0715	0.0086	0.0451	0.0295	0.000030	0.0029
G16C	0	0	15	1	25.7360	4.6281	0.1462	0.1384	0.1259	0.0716	0.0086	0.0452	0.0295	0.000030	0.0029
G16C	0	0	16	1	25.7360	4.5373	0.1462	0.1384	0.1259	0.0716	0.0086	0.0452	0.0295	0.000030	0.0029
G16C	0	0	17	1	25.7360	4.5056	0.1462	0.1384	0.1259	0.0715	0.0086	0.0452	0.0295	0.000030	0.0029
G16C	0	0	18	1	25.7360	4.3391	0.1462	0.1384	0.1259	0.0715	0.0086	0.0451	0.0295	0.000030	0.0029
G16C	0	0	19	1	25.7360	4.0228	0.1462	0.1384	0.1259	0.0713	0.0086	0.0450	0.0295	0.000030	0.0029
G16C	0	0	20	1	25.7360	3.5000	0.1462	0.1384	0.1259	0.0711	0.0085	0.0448	0.0295	0.000030	0.0029
G16C	0	0	21	1	25.7360	2.6556	0.1462	0.1384	0.1259	0.0707	0.0085	0.0446	0.0295	0.000030	0.0029
G16C	0	0	22	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G16C	0	0	23	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G16C	0	0	24	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G17C	0	0	1	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G17C	0	0	2	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G17C	0	0	3	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G17C	0	0	4	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G17C	0	0	5	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G17C	0	0	6	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G17C	0	0	7	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G17C	0	0	8	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G17C	0	0	9	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0705	0.0085	0.0444	0.0295	0.000030	0.0029

Table B-2: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Existing Conditions (2017)

Source Information					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
G17C	0	0	10	1	25.7360	2.9811	0.1462	0.1384	0.1259	0.0708	0.0085	0.0447	0.0295	0.000030	0.0029
G17C	0	0	11	1	25.7360	3.5755	0.1462	0.1384	0.1259	0.0711	0.0085	0.0449	0.0295	0.000030	0.0029
G17C	0	0	12	1	25.7360	4.0297	0.1462	0.1384	0.1259	0.0713	0.0086	0.0450	0.0295	0.000030	0.0029
G17C	0	0	13	1	25.7360	4.2791	0.1462	0.1384	0.1259	0.0714	0.0086	0.0451	0.0295	0.000030	0.0029
G17C	0	0	14	1	25.7360	4.4636	0.1462	0.1384	0.1259	0.0715	0.0086	0.0451	0.0295	0.000030	0.0029
G17C	0	0	15	1	25.7360	4.6281	0.1462	0.1384	0.1259	0.0716	0.0086	0.0452	0.0295	0.000030	0.0029
G17C	0	0	16	1	25.7360	4.5373	0.1462	0.1384	0.1259	0.0716	0.0086	0.0452	0.0295	0.000030	0.0029
G17C	0	0	17	1	25.7360	4.5056	0.1462	0.1384	0.1259	0.0715	0.0086	0.0452	0.0295	0.000030	0.0029
G17C	0	0	18	1	25.7360	4.3391	0.1462	0.1384	0.1259	0.0715	0.0086	0.0451	0.0295	0.000030	0.0029
G17C	0	0	19	1	25.7360	4.0228	0.1462	0.1384	0.1259	0.0713	0.0086	0.0450	0.0295	0.000030	0.0029
G17C	0	0	20	1	25.7360	3.5000	0.1462	0.1384	0.1259	0.0711	0.0085	0.0448	0.0295	0.000030	0.0029
G17C	0	0	21	1	25.7360	2.6556	0.1462	0.1384	0.1259	0.0707	0.0085	0.0446	0.0295	0.000030	0.0029
G17C	0	0	22	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G17C	0	0	23	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G17C	0	0	24	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	1	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	2	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	3	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	4	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	5	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	6	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	7	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	8	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	9	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0705	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	10	1	25.7360	2.9811	0.1462	0.1384	0.1259	0.0708	0.0085	0.0447	0.0295	0.000030	0.0029
G18C	0	0	11	1	25.7360	3.5755	0.1462	0.1384	0.1259	0.0711	0.0085	0.0449	0.0295	0.000030	0.0029
G18C	0	0	12	1	25.7360	4.0297	0.1462	0.1384	0.1259	0.0713	0.0086	0.0450	0.0295	0.000030	0.0029
G18C	0	0	13	1	25.7360	4.2791	0.1462	0.1384	0.1259	0.0714	0.0086	0.0451	0.0295	0.000030	0.0029
G18C	0	0	14	1	25.7360	4.4636	0.1462	0.1384	0.1259	0.0715	0.0086	0.0451	0.0295	0.000030	0.0029
G18C	0	0	15	1	25.7360	4.6281	0.1462	0.1384	0.1259	0.0716	0.0086	0.0452	0.0295	0.000030	0.0029
G18C	0	0	16	1	25.7360	4.5373	0.1462	0.1384	0.1259	0.0716	0.0086	0.0452	0.0295	0.000030	0.0029
G18C	0	0	17	1	25.7360	4.5056	0.1462	0.1384	0.1259	0.0715	0.0086	0.0452	0.0295	0.000030	0.0029
G18C	0	0	18	1	25.7360	4.3391	0.1462	0.1384	0.1259	0.0715	0.0086	0.0451	0.0295	0.000030	0.0029
G18C	0	0	19	1	25.7360	4.0228	0.1462	0.1384	0.1259	0.0713	0.0086	0.0450	0.0295	0.000030	0.0029
G18C	0	0	20	1	25.7360	3.5000	0.1462	0.1384	0.1259	0.0711	0.0085	0.0448	0.0295	0.000030	0.0029
G18C	0	0	21	1	25.7360	2.6556	0.1462	0.1384	0.1259	0.0707	0.0085	0.0446	0.0295	0.000030	0.0029
G18C	0	0	22	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	23	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G18C	0	0	24	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G19C	0	0	1	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G19C	0	0	2	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G19C	0	0	3	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G19C	0	0	4	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G19C	0	0	5	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G19C	0	0	6	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029

Table B-2: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Existing Conditions (2017)

Source Information					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
G19C	0	0	7	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G19C	0	0	8	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G19C	0	0	9	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0705	0.0085	0.0444	0.0295	0.000030	0.0029
G19C	0	0	10	1	25.7360	2.9811	0.1462	0.1384	0.1259	0.0708	0.0085	0.0447	0.0295	0.000030	0.0029
G19C	0	0	11	1	25.7360	3.5755	0.1462	0.1384	0.1259	0.0711	0.0085	0.0449	0.0295	0.000030	0.0029
G19C	0	0	12	1	25.7360	4.0297	0.1462	0.1384	0.1259	0.0713	0.0086	0.0450	0.0295	0.000030	0.0029
G19C	0	0	13	1	25.7360	4.2791	0.1462	0.1384	0.1259	0.0714	0.0086	0.0451	0.0295	0.000030	0.0029
G19C	0	0	14	1	25.7360	4.4636	0.1462	0.1384	0.1259	0.0715	0.0086	0.0451	0.0295	0.000030	0.0029
G19C	0	0	15	1	25.7360	4.6281	0.1462	0.1384	0.1259	0.0716	0.0086	0.0452	0.0295	0.000030	0.0029
G19C	0	0	16	1	25.7360	4.5373	0.1462	0.1384	0.1259	0.0716	0.0086	0.0452	0.0295	0.000030	0.0029
G19C	0	0	17	1	25.7360	4.5056	0.1462	0.1384	0.1259	0.0715	0.0086	0.0452	0.0295	0.000030	0.0029
G19C	0	0	18	1	25.7360	4.3391	0.1462	0.1384	0.1259	0.0715	0.0086	0.0451	0.0295	0.000030	0.0029
G19C	0	0	19	1	25.7360	4.0228	0.1462	0.1384	0.1259	0.0713	0.0086	0.0450	0.0295	0.000030	0.0029
G19C	0	0	20	1	25.7360	3.5000	0.1462	0.1384	0.1259	0.0711	0.0085	0.0448	0.0295	0.000030	0.0029
G19C	0	0	21	1	25.7360	2.6556	0.1462	0.1384	0.1259	0.0707	0.0085	0.0446	0.0295	0.000030	0.0029
G19C	0	0	22	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G19C	0	0	23	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029
G19C	0	0	24	1	25.7360	2.5580	0.1462	0.1384	0.1259	0.0704	0.0085	0.0444	0.0295	0.000030	0.0029

Table B-3: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future No-Build Conditions (2041)

Source Information					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	80	11	1	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000392
G1C	80	11	2	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000392
G1C	80	11	3	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000392
G1C	80	11	4	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000392
G1C	80	11	5	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000392
G1C	80	11	6	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000392
G1C	80	11	7	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000392
G1C	80	11	8	2	2.4857	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000392
G1C	80	11	9	2	2.6449	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000395
G1C	80	11	10	2	2.7723	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000396
G1C	80	11	11	2	2.8730	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000397
G1C	80	11	12	2	2.9505	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000398
G1C	80	11	13	2	2.9949	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000399
G1C	80	11	14	2	3.0991	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000400
G1C	80	11	15	2	3.1445	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000401
G1C	80	11	16	2	3.1552	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000401
G1C	80	11	17	2	3.1498	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000401
G1C	80	11	18	2	3.1179	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000401
G1C	80	11	19	2	2.9587	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000399
G1C	80	11	20	2	2.8253	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000397
G1C	80	11	21	2	2.6893	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000395
G1C	80	11	22	2	2.5659	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000394
G1C	80	11	23	2	2.4956	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000393
G1C	80	11	24	2	2.4546	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.0000392
G2C	80	11	1	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	2	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	3	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	4	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	5	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	6	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	7	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	8	2	2.4857	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	9	2	2.6449	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	10	2	2.7723	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	11	2	2.8730	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	12	2	2.9505	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	13	2	2.9949	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	14	2	3.0991	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	15	2	3.1445	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	16	2	3.1552	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000

Table B-3: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future No-Build Conditions (2041)

Source Information					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	80	11	17	2	3.1498	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	18	2	3.1179	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	19	2	2.9587	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	20	2	2.8253	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	21	2	2.6893	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	22	2	2.5659	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	23	2	2.4956	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G2C	80	11	24	2	2.4546	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	1	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	2	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	3	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	4	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	5	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	6	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	7	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	8	3	2.4782	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	9	3	2.6362	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	10	3	2.7627	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	11	3	2.8627	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	12	3	2.9396	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	13	3	2.9837	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	14	3	3.0871	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	15	3	3.1322	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	16	3	3.1428	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	17	3	3.1374	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	18	3	3.1058	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	19	3	2.9477	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	20	3	2.8153	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	21	3	2.6803	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	22	3	2.5578	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	23	3	2.4880	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G3C	80	11	24	3	2.4473	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	1	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	2	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	3	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	4	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	5	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	6	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	7	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	8	3	2.4782	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	9	3	2.6362	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	10	3	2.7627	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000

Table B-3: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future No-Build Conditions (2041)

Source Information					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	80	11	11	3	2.8627	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	12	3	2.9396	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	13	3	2.9837	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	14	3	3.0871	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	15	3	3.1322	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	16	3	3.1428	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	17	3	3.1374	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	18	3	3.1058	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	19	3	2.9477	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	20	3	2.8153	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	21	3	2.6803	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	22	3	2.5578	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	23	3	2.4880	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G4C	80	11	24	3	2.4473	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000	0.0000
G16C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G16C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G16C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G16C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G16C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G16C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G16C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G16C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G16C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G16C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G16C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G17C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G17C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G17C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G17C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G17C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001

Table B-3: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future No-Build Conditions (2041)

Source Information					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
G17C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G17C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G17C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G17C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G17C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G17C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G18C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G18C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G18C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G18C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G18C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G18C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G18C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G18C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G18C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G18C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G18C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001

Table B-3: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future No-Build Conditions (2041)

Source Information					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
G19C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G19C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G19C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G19C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G19C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G19C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G19C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G19C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G19C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G19C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G19C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G3C	80	11	1	3	2.4362	0.0811	0.0030	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G3C	80	11	2	3	2.4362	0.0811	0.0030	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G3C	80	11	3	3	2.4362	0.0811	0.0030	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G3C	80	11	4	3	2.4362	0.0811	0.0030	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G3C	80	11	5	3	2.4362	0.0811	0.0030	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G3C	80	11	6	3	2.4362	0.0811	0.0030	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G3C	80	11	7	3	2.4362	0.0811	0.0030	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G3C	80	11	8	3	2.4782	0.0811	0.0030	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G3C	80	11	9	3	2.6362	0.0811	0.0031	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G3C	80	11	10	3	2.7627	0.0811	0.0031	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G3C	80	11	11	3	2.8627	0.0811	0.0031	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G3C	80	11	12	3	2.9396	0.0811	0.0032	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G3C	80	11	13	3	2.9837	0.0811	0.0032	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G3C	80	11	14	3	3.0871	0.0811	0.0032	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G3C	80	11	15	3	3.1322	0.0811	0.0032	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000014	0.000040
G3C	80	11	16	3	3.1428	0.0811	0.0032	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000014	0.000040
G3C	80	11	17	3	3.1374	0.0811	0.0032	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000014	0.000040
G3C	80	11	18	3	3.1058	0.0811	0.0032	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G3C	80	11	19	3	2.9477	0.0811	0.0032	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G3C	80	11	20	3	2.8153	0.0811	0.0031	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G3C	80	11	21	3	2.6803	0.0811	0.0031	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G3C	80	11	22	3	2.5578	0.0811	0.0031	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G3C	80	11	23	3	2.4880	0.0811	0.0030	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G3C	80	11	24	3	2.4473	0.0811	0.0030	0.3037	0.0721	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	1	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	2	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	3	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	4	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	5	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	6	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	7	3	2.4362	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	8	3	2.4782	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	9	3	2.6362	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	10	3	2.7627	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G4C	80	11	11	3	2.8627	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G4C	80	11	12	3	2.9396	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G4C	80	11	13	3	2.9837	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G4C	80	11	14	3	3.0871	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G4C	80	11	15	3	3.1322	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000014	0.000040
G4C	80	11	16	3	3.1428	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000014	0.000040

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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	80	11	17	3	3.1374	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000014	0.000040
G4C	80	11	18	3	3.1058	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G4C	80	11	19	3	2.9477	0.0811	0.0032	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G4C	80	11	20	3	2.8153	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G4C	80	11	21	3	2.6803	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000040
G4C	80	11	22	3	2.5578	0.0811	0.0031	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	23	3	2.4880	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G4C	80	11	24	3	2.4473	0.0811	0.0030	0.1165	0.0268	0.0026	0.0000	0.0008	0.0004	0.0000013	0.000039
G5C	80	11	1	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G5C	80	11	2	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G5C	80	11	3	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G5C	80	11	4	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G5C	80	11	5	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G5C	80	11	6	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G5C	80	11	7	2	2.4434	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G5C	80	11	8	2	2.4857	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G5C	80	11	9	2	2.6449	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G5C	80	11	10	2	2.7723	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	11	2	2.8730	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	12	2	2.9505	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	13	2	2.9949	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	14	2	3.0991	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	15	2	3.1445	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	16	2	3.1552	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	17	2	3.1498	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	18	2	3.1179	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	19	2	2.9587	0.0799	0.0032	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	20	2	2.8253	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	21	2	2.6893	0.0799	0.0031	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000040
G5C	80	11	22	2	2.5659	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G5C	80	11	23	2	2.4956	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G5C	80	11	24	2	2.4546	0.0799	0.0030	0.1178	0.0267	0.0026	0.0000	0.0008	0.0004	0.0000012	0.000039
G6C	70	10	1	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	2	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	3	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	4	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	5	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	6	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	7	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	8	2	2.5143	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	9	2	2.6767	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	10	2	2.8068	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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	70	10	11	2	2.9095	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	12	2	2.9885	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	13	2	3.0339	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G6C	70	10	14	2	3.1402	0.0791	0.0033	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G6C	70	10	15	2	3.1866	0.0791	0.0033	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G6C	70	10	16	2	3.1975	0.0791	0.0033	0.3155	0.0733	0.0028	0.0000	0.0008	0.0004	0.0000012	0.000042
G6C	70	10	17	2	3.1919	0.0791	0.0033	0.3155	0.0733	0.0028	0.0000	0.0008	0.0004	0.0000012	0.000042
G6C	70	10	18	2	3.1595	0.0791	0.0033	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G6C	70	10	19	2	2.9969	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	20	2	2.8609	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	21	2	2.7221	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	22	2	2.5961	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	23	2	2.5244	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G6C	70	10	24	2	2.4825	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G7C	50	7	1	2	2.6766	0.0645	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G7C	50	7	2	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G7C	50	7	3	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G7C	50	7	4	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G7C	50	7	5	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G7C	50	7	6	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G7C	50	7	7	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G7C	50	7	8	2	2.7281	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G7C	50	7	9	2	2.9219	0.0641	0.0034	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	10	2	3.0770	0.0641	0.0034	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	11	2	3.1996	0.0641	0.0034	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	12	2	3.2939	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	13	2	3.3480	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	14	2	3.4748	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	15	2	3.5302	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	16	2	3.5431	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	17	2	3.5365	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	18	2	3.4978	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	19	2	3.3039	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	20	2	3.1416	0.0641	0.0034	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	21	2	2.9759	0.0641	0.0034	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G7C	50	7	22	2	2.8257	0.0641	0.0033	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000049
G7C	50	7	23	2	2.7401	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G7C	50	7	24	2	2.6902	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G8C	70	10	1	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	2	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	3	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	4	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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	70	10	5	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	6	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	7	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	8	2	2.5143	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	9	2	2.6767	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	10	2	2.8068	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	11	2	2.9095	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	12	2	2.9885	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	13	2	3.0339	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G8C	70	10	14	2	3.1402	0.0791	0.0033	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G8C	70	10	15	2	3.1866	0.0791	0.0033	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G8C	70	10	16	2	3.1975	0.0791	0.0033	0.8355	0.1991	0.0028	0.0000	0.0008	0.0004	0.0000012	0.000042
G8C	70	10	17	2	3.1919	0.0791	0.0033	0.8355	0.1991	0.0028	0.0000	0.0008	0.0004	0.0000012	0.000042
G8C	70	10	18	2	3.1595	0.0791	0.0033	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G8C	70	10	19	2	2.9969	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	20	2	2.8609	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	21	2	2.7221	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	22	2	2.5961	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	23	2	2.5244	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G8C	70	10	24	2	2.4825	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	1	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	2	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	3	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	4	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	5	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	6	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	7	2	2.4712	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	8	2	2.5143	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	9	2	2.6767	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	10	2	2.8068	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	11	2	2.9095	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	12	2	2.9885	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	13	2	3.0339	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G9C	70	10	14	2	3.1402	0.0791	0.0033	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G9C	70	10	15	2	3.1866	0.0791	0.0033	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G9C	70	10	16	2	3.1975	0.0791	0.0033	0.3155	0.0733	0.0028	0.0000	0.0008	0.0004	0.0000012	0.000042
G9C	70	10	17	2	3.1919	0.0791	0.0033	0.3155	0.0733	0.0028	0.0000	0.0008	0.0004	0.0000012	0.000042
G9C	70	10	18	2	3.1595	0.0791	0.0033	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G9C	70	10	19	2	2.9969	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	20	2	2.8609	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	21	2	2.7221	0.0791	0.0032	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	22	2	2.5961	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G9C	70	10	23	2	2.5244	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G9C	70	10	24	2	2.4825	0.0791	0.0031	0.3155	0.0733	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G10C	50	7	1	2	2.6766	0.0645	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G10C	50	7	2	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G10C	50	7	3	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G10C	50	7	4	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G10C	50	7	5	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G10C	50	7	6	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G10C	50	7	7	2	2.6766	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G10C	50	7	8	2	2.7281	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G10C	50	7	9	2	2.9219	0.0641	0.0034	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	10	2	3.0770	0.0641	0.0034	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	11	2	3.1996	0.0641	0.0034	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	12	2	3.2939	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	13	2	3.3480	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	14	2	3.4748	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	15	2	3.5302	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	16	2	3.5431	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	17	2	3.5365	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	18	2	3.4978	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	19	2	3.3039	0.0641	0.0035	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	20	2	3.1416	0.0641	0.0034	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	21	2	2.9759	0.0641	0.0034	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000050
G10C	50	7	22	2	2.8257	0.0641	0.0033	0.8837	0.2050	0.0033	0.0000	0.0010	0.0005	0.0000011	0.000049
G10C	50	7	23	2	2.7401	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G10C	50	7	24	2	2.6902	0.0641	0.0033	0.8837	0.2050	0.0032	0.0000	0.0010	0.0004	0.0000011	0.000049
G11C	70	10	1	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	2	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	3	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	4	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	5	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	6	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	7	2	2.4712	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	8	2	2.5143	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	9	2	2.6767	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	10	2	2.8068	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	11	2	2.9095	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	12	2	2.9885	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	13	2	3.0339	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G11C	70	10	14	2	3.1402	0.0791	0.0033	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G11C	70	10	15	2	3.1866	0.0791	0.0033	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042
G11C	70	10	16	2	3.1975	0.0791	0.0033	0.8355	0.1991	0.0028	0.0000	0.0008	0.0004	0.0000012	0.000042
G11C	70	10	17	2	3.1919	0.0791	0.0033	0.8355	0.1991	0.0028	0.0000	0.0008	0.0004	0.0000012	0.000042
G11C	70	10	18	2	3.1595	0.0791	0.0033	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000042

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G11C	70	10	19	2	2.9969	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	20	2	2.8609	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	21	2	2.7221	0.0791	0.0032	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	22	2	2.5961	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	23	2	2.5244	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G11C	70	10	24	2	2.4825	0.0791	0.0031	0.8355	0.1991	0.0027	0.0000	0.0008	0.0004	0.0000012	0.000041
G12C	70	10	1	3	2.4962	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	2	3	2.4962	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	3	3	2.4962	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	4	3	2.4962	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	5	3	2.4962	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	6	3	2.4962	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	7	3	2.4962	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	8	3	2.5406	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	9	3	2.7075	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	10	3	2.8410	0.0778	0.0032	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000042
G12C	70	10	11	3	2.9466	0.0778	0.0032	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000042
G12C	70	10	12	3	3.0278	0.0778	0.0032	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000042
G12C	70	10	13	3	3.0744	0.0778	0.0032	0.3148	0.0735	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042
G12C	70	10	14	3	3.1836	0.0778	0.0032	0.3148	0.0735	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042
G12C	70	10	15	3	3.2313	0.0778	0.0033	0.3148	0.0735	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042
G12C	70	10	16	3	3.2425	0.0778	0.0033	0.3148	0.0735	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042
G12C	70	10	17	3	3.2368	0.0778	0.0033	0.3148	0.0735	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042
G12C	70	10	18	3	3.2034	0.0778	0.0033	0.3148	0.0735	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042
G12C	70	10	19	3	3.0364	0.0778	0.0032	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000042
G12C	70	10	20	3	2.8966	0.0778	0.0032	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000042
G12C	70	10	21	3	2.7540	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	22	3	2.6246	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	23	3	2.5509	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G12C	70	10	24	3	2.5079	0.0778	0.0031	0.3148	0.0735	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	1	3	2.4962	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	2	3	2.4962	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	3	3	2.4962	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	4	3	2.4962	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	5	3	2.4962	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	6	3	2.4962	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	7	3	2.4962	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	8	3	2.5406	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	9	3	2.7075	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	10	3	2.8410	0.0778	0.0032	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000042
G13C	70	10	11	3	2.9466	0.0778	0.0032	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000042
G13C	70	10	12	3	3.0278	0.0778	0.0032	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000042
G13C	70	10	13	3	3.0744	0.0778	0.0032	0.8349	0.1994	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G13C	70	10	14	3	3.1836	0.0778	0.0032	0.8349	0.1994	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042
G13C	70	10	15	3	3.2313	0.0778	0.0033	0.8349	0.1994	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042
G13C	70	10	16	3	3.2425	0.0778	0.0033	0.8349	0.1994	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042
G13C	70	10	17	3	3.2368	0.0778	0.0033	0.8349	0.1994	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042
G13C	70	10	18	3	3.2034	0.0778	0.0033	0.8349	0.1994	0.0028	0.0000	0.0008	0.0004	0.0000013	0.000042
G13C	70	10	19	3	3.0364	0.0778	0.0032	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000042
G13C	70	10	20	3	2.8966	0.0778	0.0032	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000042
G13C	70	10	21	3	2.7540	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	22	3	2.6246	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	23	3	2.5509	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G13C	70	10	24	3	2.5079	0.0778	0.0031	0.8349	0.1994	0.0027	0.0000	0.0008	0.0004	0.0000013	0.000041
G14C	60	8	1	3	2.7462	0.0675	0.0032	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	2	3	2.7462	0.0675	0.0032	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	3	3	2.7462	0.0675	0.0032	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	4	3	2.7462	0.0675	0.0032	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	5	3	2.7462	0.0675	0.0032	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	6	3	2.7462	0.0675	0.0032	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	7	3	2.7462	0.0675	0.0032	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	8	3	2.7996	0.0675	0.0032	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	9	3	3.0007	0.0675	0.0033	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	10	3	3.1616	0.0675	0.0033	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	11	3	3.2889	0.0675	0.0034	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G14C	60	8	12	3	3.3867	0.0675	0.0034	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G14C	60	8	13	3	3.4429	0.0675	0.0034	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G14C	60	8	14	3	3.5744	0.0675	0.0034	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G14C	60	8	15	3	3.6319	0.0675	0.0034	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G14C	60	8	16	3	3.6453	0.0675	0.0034	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G14C	60	8	17	3	3.6385	0.0675	0.0034	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G14C	60	8	18	3	3.5983	0.0675	0.0034	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G14C	60	8	19	3	3.3971	0.0675	0.0034	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G14C	60	8	20	3	3.2286	0.0675	0.0033	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	21	3	3.0568	0.0675	0.0033	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	22	3	2.9009	0.0675	0.0033	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	23	3	2.8121	0.0675	0.0032	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G14C	60	8	24	3	2.7602	0.0675	0.0032	0.3471	0.0776	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	1	3	2.7462	0.0675	0.0032	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	2	3	2.7462	0.0675	0.0032	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	3	3	2.7462	0.0675	0.0032	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	4	3	2.7462	0.0675	0.0032	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	5	3	2.7462	0.0675	0.0032	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	6	3	2.7462	0.0675	0.0032	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	7	3	2.7462	0.0675	0.0032	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	8	3	2.7996	0.0675	0.0032	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G15C	60	8	9	3	3.0007	0.0675	0.0033	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	10	3	3.1616	0.0675	0.0033	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	11	3	3.2889	0.0675	0.0034	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G15C	60	8	12	3	3.3867	0.0675	0.0034	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G15C	60	8	13	3	3.4429	0.0675	0.0034	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G15C	60	8	14	3	3.5744	0.0675	0.0034	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G15C	60	8	15	3	3.6319	0.0675	0.0034	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G15C	60	8	16	3	3.6453	0.0675	0.0034	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G15C	60	8	17	3	3.6385	0.0675	0.0034	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G15C	60	8	18	3	3.5983	0.0675	0.0034	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G15C	60	8	19	3	3.3971	0.0675	0.0034	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000048
G15C	60	8	20	3	3.2286	0.0675	0.0033	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	21	3	3.0568	0.0675	0.0033	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	22	3	2.9009	0.0675	0.0033	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	23	3	2.8121	0.0675	0.0032	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G15C	60	8	24	3	2.7602	0.0675	0.0032	0.8672	0.2034	0.0031	0.0000	0.0009	0.0004	0.0000013	0.000047
G20C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G20C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G20C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G20C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G20C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G20C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G20C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G20C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G20C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G20C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G20C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G21C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G21C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G21C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G21C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G21C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G21C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G21C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G21C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G21C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G21C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G21C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G22C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G22C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G22C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G22C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G22C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G22C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G22C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G22C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G22C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G22C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G22C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G23C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G23C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G23C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G23C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G23C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G23C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G23C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G23C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G23C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G23C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G23C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G24C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G24C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G24C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G24C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G24C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G24C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G24C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G24C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G24C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G24C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G24C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G25C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G25C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G25C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G25C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G25C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G25C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G25C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G25C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G25C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G25C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G25C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G26C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G26C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G26C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G26C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G26C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G26C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G26C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G26C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G26C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G26C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G26C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G27C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G27C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G27C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G27C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G27C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G27C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G27C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G27C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G27C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G27C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G27C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G28C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G28C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G28C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G28C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G28C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G28C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G28C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G28C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G28C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G28C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G29C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G29C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G29C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G29C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G29C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G29C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G29C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G29C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G29C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G29C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G29C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G30C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G30C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G30C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G30C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G30C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G30C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G30C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G30C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G30C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G30C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G31C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G31C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G31C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G31C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G31C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G31C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G31C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G31C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G31C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G31C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G31C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G31C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G32C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G32C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G32C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G32C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G32C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G32C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G32C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G32C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G32C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G32C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G32C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G33C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G33C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G33C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G33C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G33C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G33C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G33C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G33C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G33C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G33C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G33C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G33C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G34C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G34C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G34C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G34C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G34C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G34C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G34C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G34C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G34C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G34C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G34C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G35C	0	0	1	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G35C	0	0	2	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G35C	0	0	3	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G35C	0	0	4	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G35C	0	0	5	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G35C	0	0	6	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G35C	0	0	7	1	1.7452	0.1731	0.0290	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G35C	0	0	8	1	1.7508	0.1731	0.0293	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G35C	0	0	9	1	1.7721	0.2300	0.0303	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	10	1	1.7892	0.2843	0.0311	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	11	1	1.8026	0.3272	0.0317	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001

Table B-4: Highway 6 North Mid-Block Interchange - Car Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G35C	0	0	12	1	1.8130	0.3589	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	13	1	1.8189	0.3792	0.0324	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	14	1	1.8329	0.4240	0.0331	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	15	1	1.8390	0.4444	0.0333	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	16	1	1.8404	0.4498	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	17	1	1.8397	0.4466	0.0334	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	18	1	1.8354	0.4337	0.0332	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	19	1	1.8141	0.3674	0.0322	0.0225	0.019920	0.0042	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	20	1	1.7963	0.3093	0.0314	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	21	1	1.7781	0.2520	0.0306	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	22	1	1.7616	0.1995	0.0298	0.0225	0.019920	0.0041	0.0000	0.0017	0.0012	0.000004	0.0001
G35C	0	0	23	1	1.7522	0.1731	0.0294	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001
G35C	0	0	24	1	1.7467	0.1731	0.0291	0.0225	0.019920	0.0041	0.0000	0.0016	0.0012	0.000004	0.0001

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G3C	80	11	1	3	466.6118	0.0121153	0.0018
G3C	80	11	2	3	466.6118	0.0121153	0.0018
G3C	80	11	3	3	466.6118	0.0121153	0.0018
G3C	80	11	4	3	466.6118	0.0121153	0.0018
G3C	80	11	5	3	466.6118	0.0121153	0.0018
G3C	80	11	6	3	466.6118	0.0121153	0.0018
G3C	80	11	7	3	466.6118	0.0121153	0.0018
G3C	80	11	8	3	468.3121	0.0121458	0.0018
G3C	80	11	9	3	474.7130	0.0122607	0.0018
G3C	80	11	10	3	479.8366	0.0123526	0.0018
G3C	80	11	11	3	483.8861	0.0124253	0.0018
G3C	80	11	12	3	486.9996	0.0124812	0.0018
G3C	80	11	13	3	488.7865	0.0125132	0.0018
G3C	80	11	14	3	492.9748	0.0125884	0.0018
G3C	80	11	15	3	494.8038	0.0126212	0.0018
G3C	80	11	16	3	495.2319	0.0126289	0.0018
G3C	80	11	17	3	495.0144	0.0126250	0.0018
G3C	80	11	18	3	493.7344	0.0126020	0.0018
G3C	80	11	19	3	487.3303	0.0124871	0.0018
G3C	80	11	20	3	481.9682	0.0123909	0.0018
G3C	80	11	21	3	476.4984	0.0122927	0.0018
G3C	80	11	22	3	471.5371	0.0122037	0.0018
G3C	80	11	23	3	468.7098	0.0121529	0.0018
G3C	80	11	24	3	467.0596	0.0121233	0.0018
G4C	80	11	1	3	466.6118	0.0121153	0.0018
G4C	80	11	2	3	466.6118	0.0121153	0.0018
G4C	80	11	3	3	466.6118	0.0121153	0.0018
G4C	80	11	4	3	466.6118	0.0121153	0.0018
G4C	80	11	5	3	466.6118	0.0121153	0.0018
G4C	80	11	6	3	466.6118	0.0121153	0.0018
G4C	80	11	7	3	466.6118	0.0121153	0.0018
G4C	80	11	8	3	468.3121	0.0121458	0.0018
G4C	80	11	9	3	474.7130	0.0122607	0.0018
G4C	80	11	10	3	479.8366	0.0123526	0.0018
G4C	80	11	11	3	483.8861	0.0124253	0.0018
G4C	80	11	12	3	486.9996	0.0124812	0.0018
G4C	80	11	13	3	488.7865	0.0125132	0.0018
G4C	80	11	14	3	492.9748	0.0125884	0.0018
G4C	80	11	15	3	494.8038	0.0126212	0.0018
G4C	80	11	16	3	495.2319	0.0126289	0.0018
G4C	80	11	17	3	495.0144	0.0126250	0.0018
G4C	80	11	18	3	493.7344	0.0126020	0.0018
G4C	80	11	19	3	487.3303	0.0124871	0.0018
G4C	80	11	20	3	481.9682	0.0123909	0.0018
G4C	80	11	21	3	476.4984	0.0122927	0.0018

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G4C	80	11	22	3	471.5371	0.0122037	0.0018
G4C	80	11	23	3	468.7098	0.0121529	0.0018
G4C	80	11	24	3	467.0596	0.0121233	0.0018
G5C	80	11	1	2	466.0304	0.0120110	0.0018
G5C	80	11	2	2	466.0304	0.0120110	0.0018
G5C	80	11	3	2	466.0304	0.0120110	0.0018
G5C	80	11	4	2	466.0304	0.0120110	0.0018
G5C	80	11	5	2	466.0304	0.0120110	0.0018
G5C	80	11	6	2	466.0304	0.0120110	0.0018
G5C	80	11	7	2	466.0304	0.0120110	0.0018
G5C	80	11	8	2	467.7392	0.0120412	0.0018
G5C	80	11	9	2	474.1727	0.0121546	0.0018
G5C	80	11	10	2	479.3215	0.0122455	0.0018
G5C	80	11	11	2	483.3919	0.0123173	0.0018
G5C	80	11	12	2	486.5223	0.0123725	0.0018
G5C	80	11	13	2	488.3185	0.0124042	0.0018
G5C	80	11	14	2	492.5276	0.0124784	0.0018
G5C	80	11	15	2	494.3665	0.0125108	0.0018
G5C	80	11	16	2	494.7963	0.0125184	0.0018
G5C	80	11	17	2	494.5771	0.0125146	0.0018
G5C	80	11	18	2	493.2903	0.0124919	0.0018
G5C	80	11	19	2	486.8547	0.0123783	0.0018
G5C	80	11	20	2	481.4647	0.0122833	0.0018
G5C	80	11	21	2	475.9665	0.0121863	0.0018
G5C	80	11	22	2	470.9797	0.0120983	0.0018
G5C	80	11	23	2	468.1378	0.0120482	0.0018
G5C	80	11	24	2	466.4806	0.0120189	0.0018
G6C	70	10	1	2	476.2876	0.0125070	0.0020
G6C	70	10	2	2	476.2876	0.0125070	0.0020
G6C	70	10	3	2	476.2876	0.0125070	0.0020
G6C	70	10	4	2	476.2876	0.0125070	0.0020
G6C	70	10	5	2	476.2876	0.0125070	0.0020
G6C	70	10	6	2	476.2876	0.0125070	0.0020
G6C	70	10	7	2	476.2876	0.0125070	0.0020
G6C	70	10	8	2	478.0964	0.0125382	0.0020
G6C	70	10	9	2	484.9081	0.0126557	0.0020
G6C	70	10	10	2	490.3594	0.0127497	0.0020
G6C	70	10	11	2	494.6682	0.0128241	0.0020
G6C	70	10	12	2	497.9817	0.0128812	0.0020
G6C	70	10	13	2	499.8840	0.0129141	0.0020
G6C	70	10	14	2	504.3394	0.0129909	0.0020
G6C	70	10	15	2	506.2862	0.0130245	0.0020
G6C	70	10	16	2	506.7418	0.0130324	0.0020
G6C	70	10	17	2	506.5101	0.0130284	0.0020
G6C	70	10	18	2	505.1482	0.0130049	0.0020
G6C	70	10	19	2	498.3334	0.0128873	0.0020
G6C	70	10	20	2	492.6277	0.0127889	0.0020

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G6C	70	10	21	2	486.8074	0.0126885	0.0020
G6C	70	10	22	2	481.5284	0.0125974	0.0020
G6C	70	10	23	2	478.5199	0.0125455	0.0020
G6C	70	10	24	2	476.7649	0.0125152	0.0020
G7C	50	7	1	2	506.9891	0.0151424	0.0030
G7C	50	7	2	2	506.9891	0.0151424	0.0030
G7C	50	7	3	2	506.9891	0.0151424	0.0030
G7C	50	7	4	2	506.9891	0.0151424	0.0030
G7C	50	7	5	2	506.9891	0.0151424	0.0030
G7C	50	7	6	2	506.9891	0.0151424	0.0030
G7C	50	7	7	2	506.9891	0.0151424	0.0030
G7C	50	7	8	2	509.2373	0.0151801	0.0030
G7C	50	7	9	2	517.7034	0.0153221	0.0030
G7C	50	7	10	2	524.4804	0.0154358	0.0030
G7C	50	7	11	2	529.8365	0.0155256	0.0030
G7C	50	7	12	2	533.9542	0.0155947	0.0030
G7C	50	7	13	2	536.3194	0.0156344	0.0030
G7C	50	7	14	2	541.8586	0.0157273	0.0030
G7C	50	7	15	2	544.2771	0.0157678	0.0030
G7C	50	7	16	2	544.8432	0.0157773	0.0030
G7C	50	7	17	2	544.5563	0.0157725	0.0030
G7C	50	7	18	2	542.8616	0.0157441	0.0030
G7C	50	7	19	2	534.3917	0.0156020	0.0030
G7C	50	7	20	2	527.3004	0.0154831	0.0030
G7C	50	7	21	2	520.0649	0.0153617	0.0030
G7C	50	7	22	2	513.5024	0.0152517	0.0030
G7C	50	7	23	2	509.7630	0.0151890	0.0030
G7C	50	7	24	2	507.5825	0.0151524	0.0030
G8C	70	10	1	2	476.2876	0.0125070	0.0020
G8C	70	10	2	2	476.2876	0.0125070	0.0020
G8C	70	10	3	2	476.2876	0.0125070	0.0020
G8C	70	10	4	2	476.2876	0.0125070	0.0020
G8C	70	10	5	2	476.2876	0.0125070	0.0020
G8C	70	10	6	2	476.2876	0.0125070	0.0020
G8C	70	10	7	2	476.2876	0.0125070	0.0020
G8C	70	10	8	2	478.0964	0.0125382	0.0020
G8C	70	10	9	2	484.9081	0.0126557	0.0020
G8C	70	10	10	2	490.3594	0.0127497	0.0020
G8C	70	10	11	2	494.6682	0.0128241	0.0020
G8C	70	10	12	2	497.9817	0.0128812	0.0020
G8C	70	10	13	2	499.8840	0.0129141	0.0020
G8C	70	10	14	2	504.3394	0.0129909	0.0020
G8C	70	10	15	2	506.2862	0.0130245	0.0020
G8C	70	10	16	2	506.7418	0.0130324	0.0020
G8C	70	10	17	2	506.5101	0.0130284	0.0020
G8C	70	10	18	2	505.1482	0.0130049	0.0020
G8C	70	10	19	2	498.3334	0.0128873	0.0020
G8C	70	10	20	2	492.6277	0.0127889	0.0020

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G8C	70	10	21	2	486.8074	0.0126885	0.0020
G8C	70	10	22	2	481.5284	0.0125974	0.0020
G8C	70	10	23	2	478.5199	0.0125455	0.0020
G8C	70	10	24	2	476.7649	0.0125152	0.0020
G9C	70	10	1	2	476.2876	0.0125070	0.0020
G9C	70	10	2	2	476.2876	0.0125070	0.0020
G9C	70	10	3	2	476.2876	0.0125070	0.0020
G9C	70	10	4	2	476.2876	0.0125070	0.0020
G9C	70	10	5	2	476.2876	0.0125070	0.0020
G9C	70	10	6	2	476.2876	0.0125070	0.0020
G9C	70	10	7	2	476.2876	0.0125070	0.0020
G9C	70	10	8	2	478.0964	0.0125382	0.0020
G9C	70	10	9	2	484.9081	0.0126557	0.0020
G9C	70	10	10	2	490.3594	0.0127497	0.0020
G9C	70	10	11	2	494.6682	0.0128241	0.0020
G9C	70	10	12	2	497.9817	0.0128812	0.0020
G9C	70	10	13	2	499.8840	0.0129141	0.0020
G9C	70	10	14	2	504.3394	0.0129909	0.0020
G9C	70	10	15	2	506.2862	0.0130245	0.0020
G9C	70	10	16	2	506.7418	0.0130324	0.0020
G9C	70	10	17	2	506.5101	0.0130284	0.0020
G9C	70	10	18	2	505.1482	0.0130049	0.0020
G9C	70	10	19	2	498.3334	0.0128873	0.0020
G9C	70	10	20	2	492.6277	0.0127889	0.0020
G9C	70	10	21	2	486.8074	0.0126885	0.0020
G9C	70	10	22	2	481.5284	0.0125974	0.0020
G9C	70	10	23	2	478.5199	0.0125455	0.0020
G9C	70	10	24	2	476.7649	0.0125152	0.0020
G10C	50	7	1	2	506.9891	0.0151424	0.0030
G10C	50	7	2	2	506.9891	0.0151424	0.0030
G10C	50	7	3	2	506.9891	0.0151424	0.0030
G10C	50	7	4	2	506.9891	0.0151424	0.0030
G10C	50	7	5	2	506.9891	0.0151424	0.0030
G10C	50	7	6	2	506.9891	0.0151424	0.0030
G10C	50	7	7	2	506.9891	0.0151424	0.0030
G10C	50	7	8	2	509.2373	0.0151801	0.0030
G10C	50	7	9	2	517.7034	0.0153221	0.0030
G10C	50	7	10	2	524.4804	0.0154358	0.0030
G10C	50	7	11	2	529.8365	0.0155256	0.0030
G10C	50	7	12	2	533.9542	0.0155947	0.0030
G10C	50	7	13	2	536.3194	0.0156344	0.0030
G10C	50	7	14	2	541.8586	0.0157273	0.0030
G10C	50	7	15	2	544.2771	0.0157678	0.0030
G10C	50	7	16	2	544.8432	0.0157773	0.0030
G10C	50	7	17	2	544.5563	0.0157725	0.0030
G10C	50	7	18	2	542.8616	0.0157441	0.0030
G10C	50	7	19	2	534.3917	0.0156020	0.0030
G10C	50	7	20	2	527.3004	0.0154831	0.0030
G10C	50	7	21	2	520.0649	0.0153617	0.0030

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G10C	50	7	22	2	513.5024	0.0152517	0.0030
G10C	50	7	23	2	509.7630	0.0151890	0.0030
G10C	50	7	24	2	507.5825	0.0151524	0.0030
G11C	70	10	1	2	476.2876	0.0125070	0.0020
G11C	70	10	2	2	476.2876	0.0125070	0.0020
G11C	70	10	3	2	476.2876	0.0125070	0.0020
G11C	70	10	4	2	476.2876	0.0125070	0.0020
G11C	70	10	5	2	476.2876	0.0125070	0.0020
G11C	70	10	6	2	476.2876	0.0125070	0.0020
G11C	70	10	7	2	476.2876	0.0125070	0.0020
G11C	70	10	8	2	478.0964	0.0125382	0.0020
G11C	70	10	9	2	484.9081	0.0126557	0.0020
G11C	70	10	10	2	490.3594	0.0127497	0.0020
G11C	70	10	11	2	494.6682	0.0128241	0.0020
G11C	70	10	12	2	497.9817	0.0128812	0.0020
G11C	70	10	13	2	499.8840	0.0129141	0.0020
G11C	70	10	14	2	504.3394	0.0129909	0.0020
G11C	70	10	15	2	506.2862	0.0130245	0.0020
G11C	70	10	16	2	506.7418	0.0130324	0.0020
G11C	70	10	17	2	506.5101	0.0130284	0.0020
G11C	70	10	18	2	505.1482	0.0130049	0.0020
G11C	70	10	19	2	498.3334	0.0128873	0.0020
G11C	70	10	20	2	492.6277	0.0127889	0.0020
G11C	70	10	21	2	486.8074	0.0126885	0.0020
G11C	70	10	22	2	481.5284	0.0125974	0.0020
G11C	70	10	23	2	478.5199	0.0125455	0.0020
G11C	70	10	24	2	476.7649	0.0125152	0.0020
G12C	70	10	1	3	473.8258	0.0127822	0.0020
G12C	70	10	2	3	473.8258	0.0127822	0.0020
G12C	70	10	3	3	473.8258	0.0127822	0.0020
G12C	70	10	4	3	473.8258	0.0127822	0.0020
G12C	70	10	5	3	473.8258	0.0127822	0.0020
G12C	70	10	6	3	473.8258	0.0127822	0.0020
G12C	70	10	7	3	473.8258	0.0127822	0.0020
G12C	70	10	8	3	475.6140	0.0128146	0.0020
G12C	70	10	9	3	482.3451	0.0129367	0.0020
G12C	70	10	10	3	487.7325	0.0130344	0.0020
G12C	70	10	11	3	491.9907	0.0131116	0.0020
G12C	70	10	12	3	495.2645	0.0131710	0.0020
G12C	70	10	13	3	497.1455	0.0132051	0.0020
G12C	70	10	14	3	501.5479	0.0132850	0.0020
G12C	70	10	15	3	503.4727	0.0133199	0.0020
G12C	70	10	16	3	503.9226	0.0133280	0.0020
G12C	70	10	17	3	503.6941	0.0133239	0.0020
G12C	70	10	18	3	502.3466	0.0132995	0.0020
G12C	70	10	19	3	495.6123	0.0131773	0.0020
G12C	70	10	20	3	489.9738	0.0130751	0.0020
G12C	70	10	21	3	484.2223	0.0129708	0.0020
G12C	70	10	22	3	479.0042	0.0128761	0.0020

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G12C	70	10	23	3	476.0320	0.0128222	0.0020
G12C	70	10	24	3	474.2976	0.0127907	0.0020
G13C	70	10	1	3	473.8258	0.0127822	0.0020
G13C	70	10	2	3	473.8258	0.0127822	0.0020
G13C	70	10	3	3	473.8258	0.0127822	0.0020
G13C	70	10	4	3	473.8258	0.0127822	0.0020
G13C	70	10	5	3	473.8258	0.0127822	0.0020
G13C	70	10	6	3	473.8258	0.0127822	0.0020
G13C	70	10	7	3	473.8258	0.0127822	0.0020
G13C	70	10	8	3	475.6140	0.0128146	0.0020
G13C	70	10	9	3	482.3451	0.0129367	0.0020
G13C	70	10	10	3	487.7325	0.0130344	0.0020
G13C	70	10	11	3	491.9907	0.0131116	0.0020
G13C	70	10	12	3	495.2645	0.0131710	0.0020
G13C	70	10	13	3	497.1455	0.0132051	0.0020
G13C	70	10	14	3	501.5479	0.0132850	0.0020
G13C	70	10	15	3	503.4727	0.0133199	0.0020
G13C	70	10	16	3	503.9226	0.0133280	0.0020
G13C	70	10	17	3	503.6941	0.0133239	0.0020
G13C	70	10	18	3	502.3466	0.0132995	0.0020
G13C	70	10	19	3	495.6123	0.0131773	0.0020
G13C	70	10	20	3	489.9738	0.0130751	0.0020
G13C	70	10	21	3	484.2223	0.0129708	0.0020
G13C	70	10	22	3	479.0042	0.0128761	0.0020
G13C	70	10	23	3	476.0320	0.0128222	0.0020
G13C	70	10	24	3	474.2976	0.0127907	0.0020
G14C	60	8	1	3	496.9648	0.0148177	0.0025
G14C	60	8	2	3	496.9648	0.0148177	0.0025
G14C	60	8	3	3	496.9648	0.0148177	0.0025
G14C	60	8	4	3	496.9648	0.0148177	0.0025
G14C	60	8	5	3	496.9648	0.0148177	0.0025
G14C	60	8	6	3	496.9648	0.0148177	0.0025
G14C	60	8	7	3	496.9648	0.0148177	0.0025
G14C	60	8	8	3	499.0120	0.0148562	0.0025
G14C	60	8	9	3	506.7160	0.0150011	0.0025
G14C	60	8	10	3	512.8833	0.0151170	0.0025
G14C	60	8	11	3	517.7573	0.0152087	0.0025
G14C	60	8	12	3	521.5048	0.0152791	0.0025
G14C	60	8	13	3	523.6565	0.0153196	0.0025
G14C	60	8	14	3	528.6972	0.0154144	0.0025
G14C	60	8	15	3	530.8996	0.0154558	0.0025
G14C	60	8	16	3	531.4126	0.0154654	0.0025
G14C	60	8	17	3	531.1522	0.0154605	0.0025
G14C	60	8	18	3	529.6110	0.0154316	0.0025
G14C	60	8	19	3	521.9016	0.0152866	0.0025
G14C	60	8	20	3	515.4489	0.0151653	0.0025
G14C	60	8	21	3	508.8645	0.0150415	0.0025
G14C	60	8	22	3	502.8936	0.0149292	0.0025
G14C	60	8	23	3	499.4899	0.0148652	0.0025

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G14C	60	8	24	3	497.5051	0.0148279	0.0025
G15C	60	8	1	3	496.9648	0.0148177	0.0025
G15C	60	8	2	3	496.9648	0.0148177	0.0025
G15C	60	8	3	3	496.9648	0.0148177	0.0025
G15C	60	8	4	3	496.9648	0.0148177	0.0025
G15C	60	8	5	3	496.9648	0.0148177	0.0025
G15C	60	8	6	3	496.9648	0.0148177	0.0025
G15C	60	8	7	3	496.9648	0.0148177	0.0025
G15C	60	8	8	3	499.0120	0.0148562	0.0025
G15C	60	8	9	3	506.7160	0.0150011	0.0025
G15C	60	8	10	3	512.8833	0.0151170	0.0025
G15C	60	8	11	3	517.7573	0.0152087	0.0025
G15C	60	8	12	3	521.5048	0.0152791	0.0025
G15C	60	8	13	3	523.6565	0.0153196	0.0025
G15C	60	8	14	3	528.6972	0.0154144	0.0025
G15C	60	8	15	3	530.8996	0.0154558	0.0025
G15C	60	8	16	3	531.4126	0.0154654	0.0025
G15C	60	8	17	3	531.1522	0.0154605	0.0025
G15C	60	8	18	3	529.6110	0.0154316	0.0025
G15C	60	8	19	3	521.9016	0.0152866	0.0025
G15C	60	8	20	3	515.4489	0.0151653	0.0025
G15C	60	8	21	3	508.8645	0.0150415	0.0025
G15C	60	8	22	3	502.8936	0.0149292	0.0025
G15C	60	8	23	3	499.4899	0.0148652	0.0025
G15C	60	8	24	3	497.5051	0.0148279	0.0025
G20C	0	0	1	1	4484.5512	0.0478962	0.0821
G20C	0	0	2	1	4484.5512	0.0478962	0.0821
G20C	0	0	3	1	4484.5512	0.0478962	0.0821
G20C	0	0	4	1	4484.5512	0.0478962	0.0821
G20C	0	0	5	1	4484.5512	0.0478962	0.0821
G20C	0	0	6	1	4484.5512	0.0478962	0.0821
G20C	0	0	7	1	4484.5512	0.0478962	0.0821
G20C	0	0	8	1	4524.6284	0.0479890	0.0821
G20C	0	0	9	1	4675.5225	0.0483383	0.0821
G20C	0	0	10	1	4796.2769	0.0486177	0.0821
G20C	0	0	11	1	4891.7370	0.0488386	0.0821
G20C	0	0	12	1	4965.1342	0.0490084	0.0821
G20C	0	0	13	1	5007.2699	0.0491059	0.0821
G20C	0	0	14	1	5105.9784	0.0493343	0.0821
G20C	0	0	15	1	5149.1025	0.0494342	0.0821
G20C	0	0	16	1	5159.1858	0.0494574	0.0821
G20C	0	0	17	1	5154.0573	0.0494455	0.0821
G20C	0	0	18	1	5123.8781	0.0493757	0.0821
G20C	0	0	19	1	4972.9188	0.0490263	0.0821
G20C	0	0	20	1	4846.5320	0.0487339	0.0821
G20C	0	0	21	1	4717.5961	0.0484354	0.0821
G20C	0	0	22	1	4600.6376	0.0481649	0.0821
G20C	0	0	23	1	4533.9876	0.0480106	0.0821
G20C	0	0	24	1	4495.1260	0.0479208	0.0821

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G21C	0	0	1	1	4484.5512	0.0478962	0.0821
G21C	0	0	2	1	4484.5512	0.0478962	0.0821
G21C	0	0	3	1	4484.5512	0.0478962	0.0821
G21C	0	0	4	1	4484.5512	0.0478962	0.0821
G21C	0	0	5	1	4484.5512	0.0478962	0.0821
G21C	0	0	6	1	4484.5512	0.0478962	0.0821
G21C	0	0	7	1	4484.5512	0.0478962	0.0821
G21C	0	0	8	1	4524.6284	0.0479890	0.0821
G21C	0	0	9	1	4675.5225	0.0483383	0.0821
G21C	0	0	10	1	4796.2769	0.0486177	0.0821
G21C	0	0	11	1	4891.7370	0.0488386	0.0821
G21C	0	0	12	1	4965.1342	0.0490084	0.0821
G21C	0	0	13	1	5007.2699	0.0491059	0.0821
G21C	0	0	14	1	5105.9784	0.0493343	0.0821
G21C	0	0	15	1	5149.1025	0.0494342	0.0821
G21C	0	0	16	1	5159.1858	0.0494574	0.0821
G21C	0	0	17	1	5154.0573	0.0494455	0.0821
G21C	0	0	18	1	5123.8781	0.0493757	0.0821
G21C	0	0	19	1	4972.9188	0.0490263	0.0821
G21C	0	0	20	1	4846.5320	0.0487339	0.0821
G21C	0	0	21	1	4717.5961	0.0484354	0.0821
G21C	0	0	22	1	4600.6376	0.0481649	0.0821
G21C	0	0	23	1	4533.9876	0.0480106	0.0821
G21C	0	0	24	1	4495.1260	0.0479208	0.0821
G22C	0	0	1	1	4484.5512	0.0478962	0.0821
G22C	0	0	2	1	4484.5512	0.0478962	0.0821
G22C	0	0	3	1	4484.5512	0.0478962	0.0821
G22C	0	0	4	1	4484.5512	0.0478962	0.0821
G22C	0	0	5	1	4484.5512	0.0478962	0.0821
G22C	0	0	6	1	4484.5512	0.0478962	0.0821
G22C	0	0	7	1	4484.5512	0.0478962	0.0821
G22C	0	0	8	1	4524.6284	0.0479890	0.0821
G22C	0	0	9	1	4675.5225	0.0483383	0.0821
G22C	0	0	10	1	4796.2769	0.0486177	0.0821
G22C	0	0	11	1	4891.7370	0.0488386	0.0821
G22C	0	0	12	1	4965.1342	0.0490084	0.0821
G22C	0	0	13	1	5007.2699	0.0491059	0.0821
G22C	0	0	14	1	5105.9784	0.0493343	0.0821
G22C	0	0	15	1	5149.1025	0.0494342	0.0821
G22C	0	0	16	1	5159.1858	0.0494574	0.0821
G22C	0	0	17	1	5154.0573	0.0494455	0.0821
G22C	0	0	18	1	5123.8781	0.0493757	0.0821
G22C	0	0	19	1	4972.9188	0.0490263	0.0821
G22C	0	0	20	1	4846.5320	0.0487339	0.0821
G22C	0	0	21	1	4717.5961	0.0484354	0.0821
G22C	0	0	22	1	4600.6376	0.0481649	0.0821
G22C	0	0	23	1	4533.9876	0.0480106	0.0821
G22C	0	0	24	1	4495.1260	0.0479208	0.0821
G23C	0	0	1	1	4484.5512	0.0478962	0.0821

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G23C	0	0	2	1	4484.5512	0.0478962	0.0821
G23C	0	0	3	1	4484.5512	0.0478962	0.0821
G23C	0	0	4	1	4484.5512	0.0478962	0.0821
G23C	0	0	5	1	4484.5512	0.0478962	0.0821
G23C	0	0	6	1	4484.5512	0.0478962	0.0821
G23C	0	0	7	1	4484.5512	0.0478962	0.0821
G23C	0	0	8	1	4524.6284	0.0479890	0.0821
G23C	0	0	9	1	4675.5225	0.0483383	0.0821
G23C	0	0	10	1	4796.2769	0.0486177	0.0821
G23C	0	0	11	1	4891.7370	0.0488386	0.0821
G23C	0	0	12	1	4965.1342	0.0490084	0.0821
G23C	0	0	13	1	5007.2699	0.0491059	0.0821
G23C	0	0	14	1	5105.9784	0.0493343	0.0821
G23C	0	0	15	1	5149.1025	0.0494342	0.0821
G23C	0	0	16	1	5159.1858	0.0494574	0.0821
G23C	0	0	17	1	5154.0573	0.0494455	0.0821
G23C	0	0	18	1	5123.8781	0.0493757	0.0821
G23C	0	0	19	1	4972.9188	0.0490263	0.0821
G23C	0	0	20	1	4846.5320	0.0487339	0.0821
G23C	0	0	21	1	4717.5961	0.0484354	0.0821
G23C	0	0	22	1	4600.6376	0.0481649	0.0821
G23C	0	0	23	1	4533.9876	0.0480106	0.0821
G23C	0	0	24	1	4495.1260	0.0479208	0.0821
G24C	0	0	1	1	4484.5512	0.0478962	0.0821
G24C	0	0	2	1	4484.5512	0.0478962	0.0821
G24C	0	0	3	1	4484.5512	0.0478962	0.0821
G24C	0	0	4	1	4484.5512	0.0478962	0.0821
G24C	0	0	5	1	4484.5512	0.0478962	0.0821
G24C	0	0	6	1	4484.5512	0.0478962	0.0821
G24C	0	0	7	1	4484.5512	0.0478962	0.0821
G24C	0	0	8	1	4524.6284	0.0479890	0.0821
G24C	0	0	9	1	4675.5225	0.0483383	0.0821
G24C	0	0	10	1	4796.2769	0.0486177	0.0821
G24C	0	0	11	1	4891.7370	0.0488386	0.0821
G24C	0	0	12	1	4965.1342	0.0490084	0.0821
G24C	0	0	13	1	5007.2699	0.0491059	0.0821
G24C	0	0	14	1	5105.9784	0.0493343	0.0821
G24C	0	0	15	1	5149.1025	0.0494342	0.0821
G24C	0	0	16	1	5159.1858	0.0494574	0.0821
G24C	0	0	17	1	5154.0573	0.0494455	0.0821
G24C	0	0	18	1	5123.8781	0.0493757	0.0821
G24C	0	0	19	1	4972.9188	0.0490263	0.0821
G24C	0	0	20	1	4846.5320	0.0487339	0.0821
G24C	0	0	21	1	4717.5961	0.0484354	0.0821
G24C	0	0	22	1	4600.6376	0.0481649	0.0821
G24C	0	0	23	1	4533.9876	0.0480106	0.0821
G24C	0	0	24	1	4495.1260	0.0479208	0.0821
G25C	0	0	1	1	4484.5512	0.0478962	0.0821
G25C	0	0	2	1	4484.5512	0.0478962	0.0821

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G25C	0	0	3	1	4484.5512	0.0478962	0.0821
G25C	0	0	4	1	4484.5512	0.0478962	0.0821
G25C	0	0	5	1	4484.5512	0.0478962	0.0821
G25C	0	0	6	1	4484.5512	0.0478962	0.0821
G25C	0	0	7	1	4484.5512	0.0478962	0.0821
G25C	0	0	8	1	4524.6284	0.0479890	0.0821
G25C	0	0	9	1	4675.5225	0.0483383	0.0821
G25C	0	0	10	1	4796.2769	0.0486177	0.0821
G25C	0	0	11	1	4891.7370	0.0488386	0.0821
G25C	0	0	12	1	4965.1342	0.0490084	0.0821
G25C	0	0	13	1	5007.2699	0.0491059	0.0821
G25C	0	0	14	1	5105.9784	0.0493343	0.0821
G25C	0	0	15	1	5149.1025	0.0494342	0.0821
G25C	0	0	16	1	5159.1858	0.0494574	0.0821
G25C	0	0	17	1	5154.0573	0.0494455	0.0821
G25C	0	0	18	1	5123.8781	0.0493757	0.0821
G25C	0	0	19	1	4972.9188	0.0490263	0.0821
G25C	0	0	20	1	4846.5320	0.0487339	0.0821
G25C	0	0	21	1	4717.5961	0.0484354	0.0821
G25C	0	0	22	1	4600.6376	0.0481649	0.0821
G25C	0	0	23	1	4533.9876	0.0480106	0.0821
G25C	0	0	24	1	4495.1260	0.0479208	0.0821
G26C	0	0	1	1	4484.5512	0.0478962	0.0821
G26C	0	0	2	1	4484.5512	0.0478962	0.0821
G26C	0	0	3	1	4484.5512	0.0478962	0.0821
G26C	0	0	4	1	4484.5512	0.0478962	0.0821
G26C	0	0	5	1	4484.5512	0.0478962	0.0821
G26C	0	0	6	1	4484.5512	0.0478962	0.0821
G26C	0	0	7	1	4484.5512	0.0478962	0.0821
G26C	0	0	8	1	4524.6284	0.0479890	0.0821
G26C	0	0	9	1	4675.5225	0.0483383	0.0821
G26C	0	0	10	1	4796.2769	0.0486177	0.0821
G26C	0	0	11	1	4891.7370	0.0488386	0.0821
G26C	0	0	12	1	4965.1342	0.0490084	0.0821
G26C	0	0	13	1	5007.2699	0.0491059	0.0821
G26C	0	0	14	1	5105.9784	0.0493343	0.0821
G26C	0	0	15	1	5149.1025	0.0494342	0.0821
G26C	0	0	16	1	5159.1858	0.0494574	0.0821
G26C	0	0	17	1	5154.0573	0.0494455	0.0821
G26C	0	0	18	1	5123.8781	0.0493757	0.0821
G26C	0	0	19	1	4972.9188	0.0490263	0.0821
G26C	0	0	20	1	4846.5320	0.0487339	0.0821
G26C	0	0	21	1	4717.5961	0.0484354	0.0821
G26C	0	0	22	1	4600.6376	0.0481649	0.0821
G26C	0	0	23	1	4533.9876	0.0480106	0.0821
G26C	0	0	24	1	4495.1260	0.0479208	0.0821
G27C	0	0	1	1	4484.5512	0.0478962	0.0821
G27C	0	0	2	1	4484.5512	0.0478962	0.0821
G27C	0	0	3	1	4484.5512	0.0478962	0.0821

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G27C	0	0	4	1	4484.5512	0.0478962	0.0821
G27C	0	0	5	1	4484.5512	0.0478962	0.0821
G27C	0	0	6	1	4484.5512	0.0478962	0.0821
G27C	0	0	7	1	4484.5512	0.0478962	0.0821
G27C	0	0	8	1	4524.6284	0.0479890	0.0821
G27C	0	0	9	1	4675.5225	0.0483383	0.0821
G27C	0	0	10	1	4796.2769	0.0486177	0.0821
G27C	0	0	11	1	4891.7370	0.0488386	0.0821
G27C	0	0	12	1	4965.1342	0.0490084	0.0821
G27C	0	0	13	1	5007.2699	0.0491059	0.0821
G27C	0	0	14	1	5105.9784	0.0493343	0.0821
G27C	0	0	15	1	5149.1025	0.0494342	0.0821
G27C	0	0	16	1	5159.1858	0.0494574	0.0821
G27C	0	0	17	1	5154.0573	0.0494455	0.0821
G27C	0	0	18	1	5123.8781	0.0493757	0.0821
G27C	0	0	19	1	4972.9188	0.0490263	0.0821
G27C	0	0	20	1	4846.5320	0.0487339	0.0821
G27C	0	0	21	1	4717.5961	0.0484354	0.0821
G27C	0	0	22	1	4600.6376	0.0481649	0.0821
G27C	0	0	23	1	4533.9876	0.0480106	0.0821
G27C	0	0	24	1	4495.1260	0.0479208	0.0821
G28C	0	0	1	1	4484.5512	0.0478962	0.0821
G28C	0	0	2	1	4484.5512	0.0478962	0.0821
G28C	0	0	3	1	4484.5512	0.0478962	0.0821
G28C	0	0	4	1	4484.5512	0.0478962	0.0821
G28C	0	0	5	1	4484.5512	0.0478962	0.0821
G28C	0	0	6	1	4484.5512	0.0478962	0.0821
G28C	0	0	7	1	4484.5512	0.0478962	0.0821
G28C	0	0	8	1	4524.6284	0.0479890	0.0821
G28C	0	0	9	1	4675.5225	0.0483383	0.0821
G28C	0	0	10	1	4796.2769	0.0486177	0.0821
G28C	0	0	11	1	4891.7370	0.0488386	0.0821
G28C	0	0	12	1	4965.1342	0.0490084	0.0821
G28C	0	0	13	1	5007.2699	0.0491059	0.0821
G28C	0	0	14	1	5105.9784	0.0493343	0.0821
G28C	0	0	15	1	5149.1025	0.0494342	0.0821
G28C	0	0	16	1	5159.1858	0.0494574	0.0821
G28C	0	0	17	1	5154.0573	0.0494455	0.0821
G28C	0	0	18	1	5123.8781	0.0493757	0.0821
G28C	0	0	19	1	4972.9188	0.0490263	0.0821
G28C	0	0	20	1	4846.5320	0.0487339	0.0821
G28C	0	0	21	1	4717.5961	0.0484354	0.0821
G28C	0	0	22	1	4600.6376	0.0481649	0.0821
G28C	0	0	23	1	4533.9876	0.0480106	0.0821
G28C	0	0	24	1	4495.1260	0.0479208	0.0821
G29C	0	0	1	1	4484.5512	0.0478962	0.0821
G29C	0	0	2	1	4484.5512	0.0478962	0.0821
G29C	0	0	3	1	4484.5512	0.0478962	0.0821
G29C	0	0	4	1	4484.5512	0.0478962	0.0821

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G29C	0	0	5	1	4484.5512	0.0478962	0.0821
G29C	0	0	6	1	4484.5512	0.0478962	0.0821
G29C	0	0	7	1	4484.5512	0.0478962	0.0821
G29C	0	0	8	1	4524.6284	0.0479890	0.0821
G29C	0	0	9	1	4675.5225	0.0483383	0.0821
G29C	0	0	10	1	4796.2769	0.0486177	0.0821
G29C	0	0	11	1	4891.7370	0.0488386	0.0821
G29C	0	0	12	1	4965.1342	0.0490084	0.0821
G29C	0	0	13	1	5007.2699	0.0491059	0.0821
G29C	0	0	14	1	5105.9784	0.0493343	0.0821
G29C	0	0	15	1	5149.1025	0.0494342	0.0821
G29C	0	0	16	1	5159.1858	0.0494574	0.0821
G29C	0	0	17	1	5154.0573	0.0494455	0.0821
G29C	0	0	18	1	5123.8781	0.0493757	0.0821
G29C	0	0	19	1	4972.9188	0.0490263	0.0821
G29C	0	0	20	1	4846.5320	0.0487339	0.0821
G29C	0	0	21	1	4717.5961	0.0484354	0.0821
G29C	0	0	22	1	4600.6376	0.0481649	0.0821
G29C	0	0	23	1	4533.9876	0.0480106	0.0821
G29C	0	0	24	1	4495.1260	0.0479208	0.0821
G30C	0	0	1	1	4484.5512	0.0478962	0.0821
G30C	0	0	2	1	4484.5512	0.0478962	0.0821
G30C	0	0	3	1	4484.5512	0.0478962	0.0821
G30C	0	0	4	1	4484.5512	0.0478962	0.0821
G30C	0	0	5	1	4484.5512	0.0478962	0.0821
G30C	0	0	6	1	4484.5512	0.0478962	0.0821
G30C	0	0	7	1	4484.5512	0.0478962	0.0821
G30C	0	0	8	1	4524.6284	0.0479890	0.0821
G30C	0	0	9	1	4675.5225	0.0483383	0.0821
G30C	0	0	10	1	4796.2769	0.0486177	0.0821
G30C	0	0	11	1	4891.7370	0.0488386	0.0821
G30C	0	0	12	1	4965.1342	0.0490084	0.0821
G30C	0	0	13	1	5007.2699	0.0491059	0.0821
G30C	0	0	14	1	5105.9784	0.0493343	0.0821
G30C	0	0	15	1	5149.1025	0.0494342	0.0821
G30C	0	0	16	1	5159.1858	0.0494574	0.0821
G30C	0	0	17	1	5154.0573	0.0494455	0.0821
G30C	0	0	18	1	5123.8781	0.0493757	0.0821
G30C	0	0	19	1	4972.9188	0.0490263	0.0821
G30C	0	0	20	1	4846.5320	0.0487339	0.0821
G30C	0	0	21	1	4717.5961	0.0484354	0.0821
G30C	0	0	22	1	4600.6376	0.0481649	0.0821
G30C	0	0	23	1	4533.9876	0.0480106	0.0821
G30C	0	0	24	1	4495.1260	0.0479208	0.0821
G31C	0	0	1	1	4484.5512	0.0478962	0.0821
G31C	0	0	2	1	4484.5512	0.0478962	0.0821
G31C	0	0	3	1	4484.5512	0.0478962	0.0821
G31C	0	0	4	1	4484.5512	0.0478962	0.0821
G31C	0	0	5	1	4484.5512	0.0478962	0.0821

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G31C	0	0	6	1	4484.5512	0.0478962	0.0821
G31C	0	0	7	1	4484.5512	0.0478962	0.0821
G31C	0	0	8	1	4524.6284	0.0479890	0.0821
G31C	0	0	9	1	4675.5225	0.0483383	0.0821
G31C	0	0	10	1	4796.2769	0.0486177	0.0821
G31C	0	0	11	1	4891.7370	0.0488386	0.0821
G31C	0	0	12	1	4965.1342	0.0490084	0.0821
G31C	0	0	13	1	5007.2699	0.0491059	0.0821
G31C	0	0	14	1	5105.9784	0.0493343	0.0821
G31C	0	0	15	1	5149.1025	0.0494342	0.0821
G31C	0	0	16	1	5159.1858	0.0494574	0.0821
G31C	0	0	17	1	5154.0573	0.0494455	0.0821
G31C	0	0	18	1	5123.8781	0.0493757	0.0821
G31C	0	0	19	1	4972.9188	0.0490263	0.0821
G31C	0	0	20	1	4846.5320	0.0487339	0.0821
G31C	0	0	21	1	4717.5961	0.0484354	0.0821
G31C	0	0	22	1	4600.6376	0.0481649	0.0821
G31C	0	0	23	1	4533.9876	0.0480106	0.0821
G31C	0	0	24	1	4495.1260	0.0479208	0.0821
G32C	0	0	1	1	4484.5512	0.0478962	0.0821
G32C	0	0	2	1	4484.5512	0.0478962	0.0821
G32C	0	0	3	1	4484.5512	0.0478962	0.0821
G32C	0	0	4	1	4484.5512	0.0478962	0.0821
G32C	0	0	5	1	4484.5512	0.0478962	0.0821
G32C	0	0	6	1	4484.5512	0.0478962	0.0821
G32C	0	0	7	1	4484.5512	0.0478962	0.0821
G32C	0	0	8	1	4524.6284	0.0479890	0.0821
G32C	0	0	9	1	4675.5225	0.0483383	0.0821
G32C	0	0	10	1	4796.2769	0.0486177	0.0821
G32C	0	0	11	1	4891.7370	0.0488386	0.0821
G32C	0	0	12	1	4965.1342	0.0490084	0.0821
G32C	0	0	13	1	5007.2699	0.0491059	0.0821
G32C	0	0	14	1	5105.9784	0.0493343	0.0821
G32C	0	0	15	1	5149.1025	0.0494342	0.0821
G32C	0	0	16	1	5159.1858	0.0494574	0.0821
G32C	0	0	17	1	5154.0573	0.0494455	0.0821
G32C	0	0	18	1	5123.8781	0.0493757	0.0821
G32C	0	0	19	1	4972.9188	0.0490263	0.0821
G32C	0	0	20	1	4846.5320	0.0487339	0.0821
G32C	0	0	21	1	4717.5961	0.0484354	0.0821
G32C	0	0	22	1	4600.6376	0.0481649	0.0821
G32C	0	0	23	1	4533.9876	0.0480106	0.0821
G32C	0	0	24	1	4495.1260	0.0479208	0.0821
G33C	0	0	1	1	4484.5512	0.0478962	0.0821
G33C	0	0	2	1	4484.5512	0.0478962	0.0821
G33C	0	0	3	1	4484.5512	0.0478962	0.0821
G33C	0	0	4	1	4484.5512	0.0478962	0.0821
G33C	0	0	5	1	4484.5512	0.0478962	0.0821
G33C	0	0	6	1	4484.5512	0.0478962	0.0821

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G33C	0	0	7	1	4484.5512	0.0478962	0.0821
G33C	0	0	8	1	4524.6284	0.0479890	0.0821
G33C	0	0	9	1	4675.5225	0.0483383	0.0821
G33C	0	0	10	1	4796.2769	0.0486177	0.0821
G33C	0	0	11	1	4891.7370	0.0488386	0.0821
G33C	0	0	12	1	4965.1342	0.0490084	0.0821
G33C	0	0	13	1	5007.2699	0.0491059	0.0821
G33C	0	0	14	1	5105.9784	0.0493343	0.0821
G33C	0	0	15	1	5149.1025	0.0494342	0.0821
G33C	0	0	16	1	5159.1858	0.0494574	0.0821
G33C	0	0	17	1	5154.0573	0.0494455	0.0821
G33C	0	0	18	1	5123.8781	0.0493757	0.0821
G33C	0	0	19	1	4972.9188	0.0490263	0.0821
G33C	0	0	20	1	4846.5320	0.0487339	0.0821
G33C	0	0	21	1	4717.5961	0.0484354	0.0821
G33C	0	0	22	1	4600.6376	0.0481649	0.0821
G33C	0	0	23	1	4533.9876	0.0480106	0.0821
G33C	0	0	24	1	4495.1260	0.0479208	0.0821
G34C	0	0	1	1	4484.5512	0.0478962	0.0821
G34C	0	0	2	1	4484.5512	0.0478962	0.0821
G34C	0	0	3	1	4484.5512	0.0478962	0.0821
G34C	0	0	4	1	4484.5512	0.0478962	0.0821
G34C	0	0	5	1	4484.5512	0.0478962	0.0821
G34C	0	0	6	1	4484.5512	0.0478962	0.0821
G34C	0	0	7	1	4484.5512	0.0478962	0.0821
G34C	0	0	8	1	4524.6284	0.0479890	0.0821
G34C	0	0	9	1	4675.5225	0.0483383	0.0821
G34C	0	0	10	1	4796.2769	0.0486177	0.0821
G34C	0	0	11	1	4891.7370	0.0488386	0.0821
G34C	0	0	12	1	4965.1342	0.0490084	0.0821
G34C	0	0	13	1	5007.2699	0.0491059	0.0821
G34C	0	0	14	1	5105.9784	0.0493343	0.0821
G34C	0	0	15	1	5149.1025	0.0494342	0.0821
G34C	0	0	16	1	5159.1858	0.0494574	0.0821
G34C	0	0	17	1	5154.0573	0.0494455	0.0821
G34C	0	0	18	1	5123.8781	0.0493757	0.0821
G34C	0	0	19	1	4972.9188	0.0490263	0.0821
G34C	0	0	20	1	4846.5320	0.0487339	0.0821
G34C	0	0	21	1	4717.5961	0.0484354	0.0821
G34C	0	0	22	1	4600.6376	0.0481649	0.0821
G34C	0	0	23	1	4533.9876	0.0480106	0.0821
G34C	0	0	24	1	4495.1260	0.0479208	0.0821
G35C	0	0	1	1	4484.5512	0.0478962	0.0821
G35C	0	0	2	1	4484.5512	0.0478962	0.0821
G35C	0	0	3	1	4484.5512	0.0478962	0.0821
G35C	0	0	4	1	4484.5512	0.0478962	0.0821
G35C	0	0	5	1	4484.5512	0.0478962	0.0821
G35C	0	0	6	1	4484.5512	0.0478962	0.0821
G35C	0	0	7	1	4484.5512	0.0478962	0.0821

Table B-5: Highway 6 North Mid-Block Interchange - Car GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G35C	0	0	8	1	4524.6284	0.0479890	0.0821
G35C	0	0	9	1	4675.5225	0.0483383	0.0821
G35C	0	0	10	1	4796.2769	0.0486177	0.0821
G35C	0	0	11	1	4891.7370	0.0488386	0.0821
G35C	0	0	12	1	4965.1342	0.0490084	0.0821
G35C	0	0	13	1	5007.2699	0.0491059	0.0821
G35C	0	0	14	1	5105.9784	0.0493343	0.0821
G35C	0	0	15	1	5149.1025	0.0494342	0.0821
G35C	0	0	16	1	5159.1858	0.0494574	0.0821
G35C	0	0	17	1	5154.0573	0.0494455	0.0821
G35C	0	0	18	1	5123.8781	0.0493757	0.0821
G35C	0	0	19	1	4972.9188	0.0490263	0.0821
G35C	0	0	20	1	4846.5320	0.0487339	0.0821
G35C	0	0	21	1	4717.5961	0.0484354	0.0821
G35C	0	0	22	1	4600.6376	0.0481649	0.0821
G35C	0	0	23	1	4533.9876	0.0480106	0.0821
G35C	0	0	24	1	4495.1260	0.0479208	0.0821

Table B-6: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Existing Conditions (2017)

Source Information					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
G1T	80	11	1	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	2	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	3	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	4	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	5	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	6	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	7	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	8	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	9	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	10	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	11	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	12	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	13	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	14	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	15	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	16	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	17	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	18	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	19	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	20	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	21	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	22	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	23	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G1T	80	11	24	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	1	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	2	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	3	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	4	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	5	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	6	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	7	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	8	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	9	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	10	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	11	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	12	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	13	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	14	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	15	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	16	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	17	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	18	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	19	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032

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Table B-6: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Existing Conditions (2017)

Source Information					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
G2T	80	11	20	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	21	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	22	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	23	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G2T	80	11	24	2	5.8736	10.3048	0.0116	1.7163	0.6266	0.0046	0.0012	0.0461	0.0212	0.0000249	0.0032
G3T	80	11	1	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	2	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	3	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	4	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	5	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	6	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	7	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	8	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	9	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	10	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	11	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	12	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	13	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	14	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	15	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	16	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	17	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	18	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	19	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	20	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	21	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	22	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	23	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G3T	80	11	24	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	1	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	2	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	3	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	4	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	5	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	6	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	7	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	8	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	9	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	10	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	11	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	12	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	13	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	14	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032

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Table B-6: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Existing Conditions (2017)

Source Information					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
G4T	80	11	15	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	16	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	17	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	18	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	19	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	20	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	21	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	22	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	23	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G4T	80	11	24	3	5.8977	10.3059	0.0116	1.7143	0.6269	0.0046	0.0012	0.0458	0.0211	0.0000250	0.0032
G16T	0	0	1	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	2	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	3	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	4	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	5	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	6	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	7	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	8	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	9	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	10	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	11	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	12	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	13	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	14	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	15	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	16	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	17	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	18	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	19	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	20	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	21	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	22	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	23	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G16T	0	0	24	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	1	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	2	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	3	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	4	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	5	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	6	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	7	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	8	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	9	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	10	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590

Table B-6: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Existing Conditions (2017)

Source Information					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
G17T	0	0	11	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	12	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	13	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	14	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	15	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	16	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	17	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	18	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	19	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	20	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	21	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	22	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	23	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G17T	0	0	24	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	1	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	2	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	3	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	4	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	5	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	6	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	7	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	8	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	9	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	10	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	11	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	12	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	13	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	14	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	15	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	16	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	17	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	18	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	19	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	20	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	21	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	22	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	23	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G18T	0	0	24	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	1	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	2	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	3	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	4	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	5	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	6	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	7	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590

Table B-6: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Existing Conditions (2017)

Source Information					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
G19T	0	0	8	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	9	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	10	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	11	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	12	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	13	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	14	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	15	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	16	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	17	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	18	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	19	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	20	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	21	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	22	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	23	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590
G19T	0	0	24	1	42.1013	103.4725	0.0629	4.3372	3.9899	0.0748	0.0223	0.8191	0.4028	0.000657	0.0590

Table B-7: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future No-Build Conditions (2041)

Source Information					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
G1T	80	11	1	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.00000000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	2	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	3	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	4	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	5	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	6	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	7	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	8	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	9	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	10	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	11	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	12	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	13	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	14	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	15	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	16	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	17	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	18	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	19	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	20	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	21	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	22	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	23	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G1T	80	11	24	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.00000035	0.0003
G2T	80	11	1	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	2	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	3	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	4	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	5	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	6	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	7	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	8	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	9	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	10	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	11	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	12	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	13	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	14	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	15	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	16	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	17	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003

Table B-7: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future No-Build Conditions (2041)

Source Information					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
G2T	80	11	18	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	19	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	20	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	21	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	22	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	23	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G2T	80	11	24	2	5.1281	3.4645	0.0080	1.3857	0.3422	0.0005	0.0000	0.0083	0.0085	0.0000	0.0003
G3T	80	11	1	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	2	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	3	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	4	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	5	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	6	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	7	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	8	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	9	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	10	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	11	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	12	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	13	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	14	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	15	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	16	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	17	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	18	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	19	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	20	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	21	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	22	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	23	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G3T	80	11	24	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	1	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	2	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	3	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	4	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	5	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	6	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	7	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	8	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	9	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	10	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	11	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003

Table B-7: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future No-Build Conditions (2041)

Source Information					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
G4T	80	11	12	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	13	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	14	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	15	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	16	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	17	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	18	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	19	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	20	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	21	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	22	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	23	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G4T	80	11	24	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000	0.0003
G16T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G16T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-7: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future No-Build Conditions (2041)

Source Information					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
G17T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G17T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G18T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-7: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future No-Build Conditions (2041)

Source Information					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
G19T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G19T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G3T	80	11	1	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	2	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	3	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	4	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	5	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	6	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	7	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	8	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	9	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	10	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	11	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	12	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	13	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	14	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	15	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	16	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	17	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	18	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	19	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	20	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	21	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	22	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	23	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G3T	80	11	24	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	1	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	2	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	3	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	4	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	5	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	6	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	7	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	8	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	9	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	10	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	11	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	12	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	13	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	14	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	15	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	16	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G4T	80	11	17	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	18	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	19	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	20	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	21	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	22	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	23	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G4T	80	11	24	3	5.1712	3.4551	0.0080	1.3833	0.3420	0.0005	0.0000	0.0083	0.0084	0.0000004	0.0003
G5T	80	11	1	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	2	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	3	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	4	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	5	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	6	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	7	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	8	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	9	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	10	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	11	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	12	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	13	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	14	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	15	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	16	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	17	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	18	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	19	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	20	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	21	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	22	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	23	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G5T	80	11	24	2	5.1281	3.4645	0.0080	0.5942	0.1507	0.0005	0.0000	0.0083	0.0085	0.0000004	0.0003
G6T	70	10	1	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	2	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	3	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	4	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	5	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	6	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	7	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	8	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	9	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	10	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G6T	70	10	11	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	12	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	13	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	14	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	15	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	16	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	17	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	18	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	19	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	20	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	21	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	22	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	23	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G6T	70	10	24	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G7T	50	7	1	2	6.8779	7.5565	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	2	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	3	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	4	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	5	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	6	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	7	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	8	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	9	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	10	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	11	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	12	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	13	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	14	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	15	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	16	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	17	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	18	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	19	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	20	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	21	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G7T	50	7	22	2	6.8779	7.5127	0.0099	3.8262	0.9092	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
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G8T	70	10	1	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G8T	70	10	2	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
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G9T	70	10	16	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G9T	70	10	17	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G9T	70	10	18	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G9T	70	10	19	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G9T	70	10	20	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G9T	70	10	21	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G9T	70	10	22	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G9T	70	10	23	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G9T	70	10	24	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G10T	50	7	1	2	6.8779	7.5565	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	2	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	3	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	4	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	5	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	6	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	7	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	8	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	9	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	10	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	11	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	12	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	13	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	14	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	15	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	16	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	17	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	18	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	19	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	20	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	21	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	22	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	23	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G10T	50	7	24	2	6.8779	7.5127	0.0099	1.7838	0.4151	0.0007	0.0000	0.0148	0.0148	0.0000004	0.0005
G11T	70	10	1	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	2	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	3	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	4	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	5	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	6	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	7	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	8	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	9	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	10	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	11	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	12	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	13	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	14	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	15	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	16	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	17	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	18	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	19	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G11T	70	10	20	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	21	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	22	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	23	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G11T	70	10	24	2	5.3215	4.2430	0.0083	1.4603	0.3559	0.0005	0.0000	0.0096	0.0097	0.0000004	0.0003
G12T	70	10	1	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	2	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	3	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	4	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	5	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	6	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	7	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	8	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	9	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	10	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	11	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	12	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	13	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	14	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	15	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	16	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	17	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	18	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	19	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	20	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	21	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	22	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	23	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G12T	70	10	24	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	1	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	2	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	3	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	4	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	5	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	6	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	7	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	8	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	9	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	10	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	11	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	12	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	13	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	14	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G13T	70	10	15	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	16	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	17	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	18	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	19	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	20	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	21	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	22	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	23	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G13T	70	10	24	3	5.4137	4.2228	0.0084	1.4551	0.3554	0.0005	0.0000	0.0095	0.0097	0.0000004	0.0003
G14T	60	8	1	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	2	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	3	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	4	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	5	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	6	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	7	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	8	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	9	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	10	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	11	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	12	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	13	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	14	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	15	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	16	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	17	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	18	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	19	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	20	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	21	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	22	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	23	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G14T	60	8	24	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	1	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	2	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	3	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	4	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	5	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	6	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	7	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	8	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	9	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G15T	60	8	10	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	11	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	12	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	13	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	14	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	15	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	16	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	17	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	18	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	19	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	20	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	21	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	22	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	23	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G15T	60	8	24	3	6.1150	5.7728	0.0087	1.6356	0.3838	0.0006	0.0000	0.0126	0.0125	0.0000004	0.0004
G20T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G20T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G21T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G21T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G22T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G22T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G23T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G24T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G24T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G25T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G26T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G26T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G27T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G28T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G28T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G29T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G30T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G30T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G31T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G31T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
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G32T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G32T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G33T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G33T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G34T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	1	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	2	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	3	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	4	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	5	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	6	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	7	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	8	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	9	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	10	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	11	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	12	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Table B-8: Highway 6 North Mid-Block Interchange - Truck Emission Rate Summary Table: Future Build Conditions (2041)

Source Information					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
G35T	0	0	13	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	14	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	15	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	16	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	17	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	18	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	19	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	20	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	21	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	22	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	23	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070
G35T	0	0	24	1	38.0641	87.3304	0.0454	0.3281	0.301639	0.0049	0.0000	0.2108	0.2157	0.000001	0.0070

Highway 401 and Highway 6 Improvements: Highway 6 North Mid-Block Interchange

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G3T	80	11	1	3	2294.1325	0.9778774	0.0059
G3T	80	11	2	3	2294.1325	0.9778774	0.0059
G3T	80	11	3	3	2294.1325	0.9778774	0.0059
G3T	80	11	4	3	2294.1325	0.9778785	0.0059
G3T	80	11	5	3	2294.1325	0.9778774	0.0059
G3T	80	11	6	3	2294.1325	0.9778774	0.0059
G3T	80	11	7	3	2294.1325	0.9778774	0.0059
G3T	80	11	8	3	2294.1325	0.9778774	0.0059
G3T	80	11	9	3	2294.1325	0.9778774	0.0059
G3T	80	11	10	3	2294.1325	0.9778774	0.0059
G3T	80	11	11	3	2294.1325	0.9778774	0.0059
G3T	80	11	12	3	2294.1325	0.9778774	0.0059
G3T	80	11	13	3	2294.1325	0.9778774	0.0059
G3T	80	11	14	3	2294.1325	0.9778774	0.0059
G3T	80	11	15	3	2294.1325	0.9778774	0.0059
G3T	80	11	16	3	2294.1325	0.9778774	0.0059
G3T	80	11	17	3	2294.1325	0.9778774	0.0059
G3T	80	11	18	3	2294.1325	0.9778774	0.0059
G3T	80	11	19	3	2294.1325	0.9778774	0.0059
G3T	80	11	20	3	2294.1325	0.9778774	0.0059
G3T	80	11	21	3	2294.1325	0.9778774	0.0059
G3T	80	11	22	3	2294.1325	0.9778774	0.0059
G3T	80	11	23	3	2294.1325	0.9778774	0.0059
G3T	80	11	24	3	2294.1325	0.9778774	0.0059
G4T	80	11	1	3	2294.1325	0.9778774	0.0059
G4T	80	11	2	3	2294.1325	0.9778774	0.0059
G4T	80	11	3	3	2294.1325	0.9778774	0.0059
G4T	80	11	4	3	2294.1325	0.9778785	0.0059
G4T	80	11	5	3	2294.1325	0.9778774	0.0059
G4T	80	11	6	3	2294.1325	0.9778774	0.0059
G4T	80	11	7	3	2294.1325	0.9778774	0.0059
G4T	80	11	8	3	2294.1325	0.9778774	0.0059
G4T	80	11	9	3	2294.1325	0.9778774	0.0059
G4T	80	11	10	3	2294.1325	0.9778774	0.0059
G4T	80	11	11	3	2294.1325	0.9778774	0.0059
G4T	80	11	12	3	2294.1325	0.9778774	0.0059
G4T	80	11	13	3	2294.1325	0.9778774	0.0059
G4T	80	11	14	3	2294.1325	0.9778774	0.0059
G4T	80	11	15	3	2294.1325	0.9778774	0.0059
G4T	80	11	16	3	2294.1325	0.9778774	0.0059
G4T	80	11	17	3	2294.1325	0.9778774	0.0059
G4T	80	11	18	3	2294.1325	0.9778774	0.0059
G4T	80	11	19	3	2294.1325	0.9778774	0.0059
G4T	80	11	20	3	2294.1325	0.9778774	0.0059
G4T	80	11	21	3	2294.1325	0.9778774	0.0059

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G4T	80	11	22	3	2294.1325	0.9778774	0.0059
G4T	80	11	23	3	2294.1325	0.9778774	0.0059
G4T	80	11	24	3	2294.1325	0.9778774	0.0059
G5T	80	11	1	2	2285.3082	0.9840984	0.0059
G5T	80	11	2	2	2285.3082	0.9840984	0.0059
G5T	80	11	3	2	2285.3082	0.9840984	0.0059
G5T	80	11	4	2	2285.3082	0.9840984	0.0059
G5T	80	11	5	2	2285.3082	0.9840984	0.0059
G5T	80	11	6	2	2285.3082	0.9840984	0.0059
G5T	80	11	7	2	2285.3082	0.9840984	0.0059
G5T	80	11	8	2	2285.3082	0.9840984	0.0059
G5T	80	11	9	2	2285.3082	0.9840984	0.0059
G5T	80	11	10	2	2285.3082	0.9840984	0.0059
G5T	80	11	11	2	2285.3082	0.9840984	0.0059
G5T	80	11	12	2	2285.3082	0.9840984	0.0059
G5T	80	11	13	2	2285.3082	0.9840984	0.0059
G5T	80	11	14	2	2285.3082	0.9840984	0.0059
G5T	80	11	15	2	2285.3082	0.9840984	0.0059
G5T	80	11	16	2	2285.3082	0.9840984	0.0059
G5T	80	11	17	2	2285.3082	0.9840984	0.0059
G5T	80	11	18	2	2285.3082	0.9840984	0.0059
G5T	80	11	19	2	2285.3082	0.9840984	0.0059
G5T	80	11	20	2	2285.3082	0.9840984	0.0059
G5T	80	11	21	2	2285.3082	0.9840984	0.0059
G5T	80	11	22	2	2285.3082	0.9840995	0.0059
G5T	80	11	23	2	2285.3082	0.9840984	0.0059
G5T	80	11	24	2	2285.3082	0.9840984	0.0059
G6T	70	10	1	2	2374.6484	1.1518992	0.0065
G6T	70	10	2	2	2374.6484	1.1518992	0.0065
G6T	70	10	3	2	2374.6484	1.1518992	0.0065
G6T	70	10	4	2	2374.6484	1.1518992	0.0065
G6T	70	10	5	2	2374.6484	1.1518992	0.0065
G6T	70	10	6	2	2374.6484	1.1518992	0.0065
G6T	70	10	7	2	2374.6484	1.1518992	0.0065
G6T	70	10	8	2	2374.6484	1.1518992	0.0065
G6T	70	10	9	2	2374.6484	1.1518992	0.0065
G6T	70	10	10	2	2374.6484	1.1518992	0.0065
G6T	70	10	11	2	2374.6484	1.1518992	0.0065
G6T	70	10	12	2	2374.6484	1.1518992	0.0065
G6T	70	10	13	2	2374.6484	1.1518992	0.0065
G6T	70	10	14	2	2374.6484	1.1518992	0.0065
G6T	70	10	15	2	2374.6484	1.1518992	0.0065
G6T	70	10	16	2	2374.6484	1.1518992	0.0065
G6T	70	10	17	2	2374.6484	1.1518992	0.0065
G6T	70	10	18	2	2374.6484	1.1518992	0.0065
G6T	70	10	19	2	2374.6484	1.1518992	0.0065
G6T	70	10	20	2	2374.6484	1.1518992	0.0065

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G6T	70	10	21	2	2374.6484	1.1518992	0.0065
G6T	70	10	22	2	2374.6484	1.1518992	0.0065
G6T	70	10	23	2	2374.6484	1.1518992	0.0065
G6T	70	10	24	2	2374.6484	1.1518992	0.0065
G7T	50	7	1	2	2845.4772	1.7921302	0.0098
G7T	50	7	2	2	2845.4772	1.7921302	0.0098
G7T	50	7	3	2	2845.4772	1.7921302	0.0098
G7T	50	7	4	2	2845.4772	1.7921302	0.0098
G7T	50	7	5	2	2845.4772	1.7921302	0.0098
G7T	50	7	6	2	2845.4772	1.7921302	0.0098
G7T	50	7	7	2	2845.4772	1.7921302	0.0098
G7T	50	7	8	2	2845.4772	1.7921302	0.0098
G7T	50	7	9	2	2845.4772	1.7921302	0.0098
G7T	50	7	10	2	2845.4772	1.7921302	0.0098
G7T	50	7	11	2	2845.4772	1.7921302	0.0098
G7T	50	7	12	2	2845.4772	1.7921302	0.0098
G7T	50	7	13	2	2845.4772	1.7921302	0.0098
G7T	50	7	14	2	2845.4772	1.7921302	0.0098
G7T	50	7	15	2	2845.4772	1.7921302	0.0098
G7T	50	7	16	2	2845.4772	1.7921302	0.0098
G7T	50	7	17	2	2845.4772	1.7921302	0.0098
G7T	50	7	18	2	2845.4772	1.7921298	0.0098
G7T	50	7	19	2	2845.4772	1.7921302	0.0098
G7T	50	7	20	2	2845.4772	1.7921302	0.0098
G7T	50	7	21	2	2845.4772	1.7921302	0.0098
G7T	50	7	22	2	2845.4772	1.7921302	0.0098
G7T	50	7	23	2	2845.4772	1.7921302	0.0098
G7T	50	7	24	2	2845.4772	1.7921302	0.0098
G8T	70	10	1	2	2374.6484	1.1518992	0.0065
G8T	70	10	2	2	2374.6484	1.1518992	0.0065
G8T	70	10	3	2	2374.6484	1.1518992	0.0065
G8T	70	10	4	2	2374.6484	1.1518992	0.0065
G8T	70	10	5	2	2374.6484	1.1518992	0.0065
G8T	70	10	6	2	2374.6484	1.1518992	0.0065
G8T	70	10	7	2	2374.6484	1.1518992	0.0065
G8T	70	10	8	2	2374.6484	1.1518992	0.0065
G8T	70	10	9	2	2374.6484	1.1518992	0.0065
G8T	70	10	10	2	2374.6484	1.1518992	0.0065
G8T	70	10	11	2	2374.6484	1.1518992	0.0065
G8T	70	10	12	2	2374.6484	1.1518992	0.0065
G8T	70	10	13	2	2374.6484	1.1518992	0.0065
G8T	70	10	14	2	2374.6484	1.1518992	0.0065
G8T	70	10	15	2	2374.6484	1.1518992	0.0065
G8T	70	10	16	2	2374.6484	1.1518992	0.0065
G8T	70	10	17	2	2374.6484	1.1518992	0.0065
G8T	70	10	18	2	2374.6484	1.1518992	0.0065
G8T	70	10	19	2	2374.6484	1.1518992	0.0065
G8T	70	10	20	2	2374.6484	1.1518992	0.0065
G8T	70	10	21	2	2374.6484	1.1518992	0.0065

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G8T	70	10	22	2	2374.6484	1.1518992	0.0065
G8T	70	10	23	2	2374.6484	1.1518992	0.0065
G8T	70	10	24	2	2374.6484	1.1518992	0.0065
G9T	70	10	1	2	2374.6484	1.1518992	0.0065
G9T	70	10	2	2	2374.6484	1.1518992	0.0065
G9T	70	10	3	2	2374.6484	1.1518992	0.0065
G9T	70	10	4	2	2374.6484	1.1518992	0.0065
G9T	70	10	5	2	2374.6484	1.1518992	0.0065
G9T	70	10	6	2	2374.6484	1.1518992	0.0065
G9T	70	10	7	2	2374.6484	1.1518992	0.0065
G9T	70	10	8	2	2374.6484	1.1518992	0.0065
G9T	70	10	9	2	2374.6484	1.1518992	0.0065
G9T	70	10	10	2	2374.6484	1.1518992	0.0065
G9T	70	10	11	2	2374.6484	1.1518992	0.0065
G9T	70	10	12	2	2374.6484	1.1518992	0.0065
G9T	70	10	13	2	2374.6484	1.1518992	0.0065
G9T	70	10	14	2	2374.6484	1.1518992	0.0065
G9T	70	10	15	2	2374.6484	1.1518992	0.0065
G9T	70	10	16	2	2374.6484	1.1518992	0.0065
G9T	70	10	17	2	2374.6484	1.1518992	0.0065
G9T	70	10	18	2	2374.6484	1.1518992	0.0065
G9T	70	10	19	2	2374.6484	1.1518992	0.0065
G9T	70	10	20	2	2374.6484	1.1518992	0.0065
G9T	70	10	21	2	2374.6484	1.1518992	0.0065
G9T	70	10	22	2	2374.6484	1.1518992	0.0065
G9T	70	10	23	2	2374.6484	1.1518992	0.0065
G9T	70	10	24	2	2374.6484	1.1518992	0.0065
G10T	50	7	1	2	2845.4772	1.7921302	0.0098
G10T	50	7	2	2	2845.4772	1.7921302	0.0098
G10T	50	7	3	2	2845.4772	1.7921302	0.0098
G10T	50	7	4	2	2845.4772	1.7921302	0.0098
G10T	50	7	5	2	2845.4772	1.7921302	0.0098
G10T	50	7	6	2	2845.4772	1.7921302	0.0098
G10T	50	7	7	2	2845.4772	1.7921302	0.0098
G10T	50	7	8	2	2845.4772	1.7921302	0.0098
G10T	50	7	9	2	2845.4772	1.7921302	0.0098
G10T	50	7	10	2	2845.4772	1.7921302	0.0098
G10T	50	7	11	2	2845.4772	1.7921302	0.0098
G10T	50	7	12	2	2845.4772	1.7921302	0.0098
G10T	50	7	13	2	2845.4772	1.7921302	0.0098
G10T	50	7	14	2	2845.4772	1.7921302	0.0098
G10T	50	7	15	2	2845.4772	1.7921302	0.0098
G10T	50	7	16	2	2845.4772	1.7921302	0.0098
G10T	50	7	17	2	2845.4772	1.7921302	0.0098
G10T	50	7	18	2	2845.4772	1.7921298	0.0098
G10T	50	7	19	2	2845.4772	1.7921302	0.0098
G10T	50	7	20	2	2845.4772	1.7921302	0.0098
G10T	50	7	21	2	2845.4772	1.7921302	0.0098
G10T	50	7	22	2	2845.4772	1.7921302	0.0098

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G10T	50	7	23	2	2845.4772	1.7921302	0.0098
G10T	50	7	24	2	2845.4772	1.7921302	0.0098
G11T	70	10	1	2	2374.6484	1.1518992	0.0065
G11T	70	10	2	2	2374.6484	1.1518992	0.0065
G11T	70	10	3	2	2374.6484	1.1518992	0.0065
G11T	70	10	4	2	2374.6484	1.1518992	0.0065
G11T	70	10	5	2	2374.6484	1.1518992	0.0065
G11T	70	10	6	2	2374.6484	1.1518992	0.0065
G11T	70	10	7	2	2374.6484	1.1518992	0.0065
G11T	70	10	8	2	2374.6484	1.1518992	0.0065
G11T	70	10	9	2	2374.6484	1.1518992	0.0065
G11T	70	10	10	2	2374.6484	1.1518992	0.0065
G11T	70	10	11	2	2374.6484	1.1518992	0.0065
G11T	70	10	12	2	2374.6484	1.1518992	0.0065
G11T	70	10	13	2	2374.6484	1.1518992	0.0065
G11T	70	10	14	2	2374.6484	1.1518992	0.0065
G11T	70	10	15	2	2374.6484	1.1518992	0.0065
G11T	70	10	16	2	2374.6484	1.1518992	0.0065
G11T	70	10	17	2	2374.6484	1.1518992	0.0065
G11T	70	10	18	2	2374.6484	1.1518992	0.0065
G11T	70	10	19	2	2374.6484	1.1518992	0.0065
G11T	70	10	20	2	2374.6484	1.1518992	0.0065
G11T	70	10	21	2	2374.6484	1.1518992	0.0065
G11T	70	10	22	2	2374.6484	1.1518992	0.0065
G11T	70	10	23	2	2374.6484	1.1518992	0.0065
G11T	70	10	24	2	2374.6484	1.1518992	0.0065
G12T	70	10	1	3	2393.5317	1.1385870	0.0065
G12T	70	10	2	3	2393.5317	1.1385870	0.0065
G12T	70	10	3	3	2393.5317	1.1385870	0.0065
G12T	70	10	4	3	2393.5317	1.1385870	0.0065
G12T	70	10	5	3	2393.5317	1.1385870	0.0065
G12T	70	10	6	3	2393.5317	1.1385870	0.0065
G12T	70	10	7	3	2393.5317	1.1385870	0.0065
G12T	70	10	8	3	2393.5317	1.1385870	0.0065
G12T	70	10	9	3	2393.5317	1.1385870	0.0065
G12T	70	10	10	3	2393.5317	1.1385870	0.0065
G12T	70	10	11	3	2393.5317	1.1385870	0.0065
G12T	70	10	12	3	2393.5317	1.1385870	0.0065
G12T	70	10	13	3	2393.5317	1.1385870	0.0065
G12T	70	10	14	3	2393.5317	1.1385870	0.0065
G12T	70	10	15	3	2393.5317	1.1385870	0.0065
G12T	70	10	16	3	2393.5317	1.1385870	0.0065
G12T	70	10	17	3	2393.5317	1.1385870	0.0065
G12T	70	10	18	3	2393.5317	1.1385870	0.0065
G12T	70	10	19	3	2393.5317	1.1385870	0.0065
G12T	70	10	20	3	2393.5317	1.1385870	0.0065
G12T	70	10	21	3	2393.5317	1.1385870	0.0065
G12T	70	10	22	3	2393.5317	1.1385870	0.0065
G12T	70	10	23	3	2393.5317	1.1385870	0.0065

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G12T	70	10	24	3	2393.5317	1.1385870	0.0065
G13T	70	10	1	3	2393.5317	1.1385870	0.0065
G13T	70	10	2	3	2393.5317	1.1385870	0.0065
G13T	70	10	3	3	2393.5317	1.1385870	0.0065
G13T	70	10	4	3	2393.5317	1.1385870	0.0065
G13T	70	10	5	3	2393.5317	1.1385870	0.0065
G13T	70	10	6	3	2393.5317	1.1385870	0.0065
G13T	70	10	7	3	2393.5317	1.1385870	0.0065
G13T	70	10	8	3	2393.5317	1.1385870	0.0065
G13T	70	10	9	3	2393.5317	1.1385870	0.0065
G13T	70	10	10	3	2393.5317	1.1385870	0.0065
G13T	70	10	11	3	2393.5317	1.1385870	0.0065
G13T	70	10	12	3	2393.5317	1.1385870	0.0065
G13T	70	10	13	3	2393.5317	1.1385870	0.0065
G13T	70	10	14	3	2393.5317	1.1385870	0.0065
G13T	70	10	15	3	2393.5317	1.1385870	0.0065
G13T	70	10	16	3	2393.5317	1.1385870	0.0065
G13T	70	10	17	3	2393.5317	1.1385870	0.0065
G13T	70	10	18	3	2393.5317	1.1385870	0.0065
G13T	70	10	19	3	2393.5317	1.1385870	0.0065
G13T	70	10	20	3	2393.5317	1.1385870	0.0065
G13T	70	10	21	3	2393.5317	1.1385870	0.0065
G13T	70	10	22	3	2393.5317	1.1385870	0.0065
G13T	70	10	23	3	2393.5317	1.1385870	0.0065
G13T	70	10	24	3	2393.5317	1.1385870	0.0065
G14T	60	8	1	3	2498.3175	1.5573672	0.0084
G14T	60	8	2	3	2498.3175	1.5573672	0.0084
G14T	60	8	3	3	2498.3175	1.5573672	0.0084
G14T	60	8	4	3	2498.3175	1.5573672	0.0084
G14T	60	8	5	3	2498.3175	1.5573672	0.0084
G14T	60	8	6	3	2498.3175	1.5573672	0.0084
G14T	60	8	7	3	2498.3175	1.5573672	0.0084
G14T	60	8	8	3	2498.3175	1.5573672	0.0084
G14T	60	8	9	3	2498.3175	1.5573672	0.0084
G14T	60	8	10	3	2498.3175	1.5573672	0.0084
G14T	60	8	11	3	2498.3175	1.5573672	0.0084
G14T	60	8	12	3	2498.3175	1.5573672	0.0084
G14T	60	8	13	3	2498.3175	1.5573672	0.0084
G14T	60	8	14	3	2498.3175	1.5573672	0.0084
G14T	60	8	15	3	2498.3175	1.5573672	0.0084
G14T	60	8	16	3	2498.3175	1.5573672	0.0084
G14T	60	8	17	3	2498.3175	1.5573672	0.0084
G14T	60	8	18	3	2498.3175	1.5573672	0.0084
G14T	60	8	19	3	2498.3175	1.5573672	0.0084
G14T	60	8	20	3	2498.3175	1.5573672	0.0084
G14T	60	8	21	3	2498.3175	1.5573672	0.0084
G14T	60	8	22	3	2498.3175	1.5573672	0.0084
G14T	60	8	23	3	2498.3175	1.5573672	0.0084
G14T	60	8	24	3	2498.3175	1.5573672	0.0084

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G15T	60	8	1	3	2498.3175	1.5573672	0.0084
G15T	60	8	2	3	2498.3175	1.5573672	0.0084
G15T	60	8	3	3	2498.3175	1.5573672	0.0084
G15T	60	8	4	3	2498.3175	1.5573672	0.0084
G15T	60	8	5	3	2498.3175	1.5573672	0.0084
G15T	60	8	6	3	2498.3175	1.5573672	0.0084
G15T	60	8	7	3	2498.3175	1.5573672	0.0084
G15T	60	8	8	3	2498.3175	1.5573672	0.0084
G15T	60	8	9	3	2498.3175	1.5573672	0.0084
G15T	60	8	10	3	2498.3175	1.5573672	0.0084
G15T	60	8	11	3	2498.3175	1.5573672	0.0084
G15T	60	8	12	3	2498.3175	1.5573672	0.0084
G15T	60	8	13	3	2498.3175	1.5573672	0.0084
G15T	60	8	14	3	2498.3175	1.5573672	0.0084
G15T	60	8	15	3	2498.3175	1.5573672	0.0084
G15T	60	8	16	3	2498.3175	1.5573672	0.0084
G15T	60	8	17	3	2498.3175	1.5573672	0.0084
G15T	60	8	18	3	2498.3175	1.5573672	0.0084
G15T	60	8	19	3	2498.3175	1.5573672	0.0084
G15T	60	8	20	3	2498.3175	1.5573672	0.0084
G15T	60	8	21	3	2498.3175	1.5573672	0.0084
G15T	60	8	22	3	2498.3175	1.5573672	0.0084
G15T	60	8	23	3	2498.3175	1.5573672	0.0084
G15T	60	8	24	3	2498.3175	1.5573672	0.0084
G20T	0	0	1	1	12723.4752	25.1287770	0.2923
G20T	0	0	2	1	12723.4752	25.1287770	0.2923
G20T	0	0	3	1	12723.4752	25.1287770	0.2923
G20T	0	0	4	1	12723.4752	25.1287770	0.2923
G20T	0	0	5	1	12723.4752	25.1287770	0.2923
G20T	0	0	6	1	12723.4752	25.1287770	0.2923
G20T	0	0	7	1	12723.4752	25.1287770	0.2923
G20T	0	0	8	1	12723.4752	25.1287770	0.2923
G20T	0	0	9	1	12723.4752	25.1287770	0.2923
G20T	0	0	10	1	12723.4752	25.1287770	0.2923
G20T	0	0	11	1	12723.4752	25.1287770	0.2923
G20T	0	0	12	1	12723.4752	25.1287770	0.2923
G20T	0	0	13	1	12723.4752	25.1287770	0.2923
G20T	0	0	14	1	12723.4752	25.1287770	0.2923
G20T	0	0	15	1	12723.4752	25.1287770	0.2923
G20T	0	0	16	1	12723.4752	25.1287770	0.2923
G20T	0	0	17	1	12723.4752	25.1287770	0.2923
G20T	0	0	18	1	12723.4752	25.1287770	0.2923
G20T	0	0	19	1	12723.4752	25.1287770	0.2923
G20T	0	0	20	1	12723.4752	25.1287770	0.2923
G20T	0	0	21	1	12723.4752	25.1287770	0.2923
G20T	0	0	22	1	12723.4752	25.1287770	0.2923
G20T	0	0	23	1	12723.4752	25.1287770	0.2923
G20T	0	0	24	1	12723.4752	25.1287770	0.2923
G21T	0	0	1	1	12723.4752	25.1287770	0.2923

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G21T	0	0	2	1	12723.4752	25.1287770	0.2923
G21T	0	0	3	1	12723.4752	25.1287770	0.2923
G21T	0	0	4	1	12723.4752	25.1287770	0.2923
G21T	0	0	5	1	12723.4752	25.1287770	0.2923
G21T	0	0	6	1	12723.4752	25.1287770	0.2923
G21T	0	0	7	1	12723.4752	25.1287770	0.2923
G21T	0	0	8	1	12723.4752	25.1287770	0.2923
G21T	0	0	9	1	12723.4752	25.1287770	0.2923
G21T	0	0	10	1	12723.4752	25.1287770	0.2923
G21T	0	0	11	1	12723.4752	25.1287770	0.2923
G21T	0	0	12	1	12723.4752	25.1287770	0.2923
G21T	0	0	13	1	12723.4752	25.1287770	0.2923
G21T	0	0	14	1	12723.4752	25.1287770	0.2923
G21T	0	0	15	1	12723.4752	25.1287770	0.2923
G21T	0	0	16	1	12723.4752	25.1287770	0.2923
G21T	0	0	17	1	12723.4752	25.1287770	0.2923
G21T	0	0	18	1	12723.4752	25.1287770	0.2923
G21T	0	0	19	1	12723.4752	25.1287770	0.2923
G21T	0	0	20	1	12723.4752	25.1287770	0.2923
G21T	0	0	21	1	12723.4752	25.1287770	0.2923
G21T	0	0	22	1	12723.4752	25.1287770	0.2923
G21T	0	0	23	1	12723.4752	25.1287770	0.2923
G21T	0	0	24	1	12723.4752	25.1287770	0.2923
G22T	0	0	1	1	12723.4752	25.1287770	0.2923
G22T	0	0	2	1	12723.4752	25.1287770	0.2923
G22T	0	0	3	1	12723.4752	25.1287770	0.2923
G22T	0	0	4	1	12723.4752	25.1287770	0.2923
G22T	0	0	5	1	12723.4752	25.1287770	0.2923
G22T	0	0	6	1	12723.4752	25.1287770	0.2923
G22T	0	0	7	1	12723.4752	25.1287770	0.2923
G22T	0	0	8	1	12723.4752	25.1287770	0.2923
G22T	0	0	9	1	12723.4752	25.1287770	0.2923
G22T	0	0	10	1	12723.4752	25.1287770	0.2923
G22T	0	0	11	1	12723.4752	25.1287770	0.2923
G22T	0	0	12	1	12723.4752	25.1287770	0.2923
G22T	0	0	13	1	12723.4752	25.1287770	0.2923
G22T	0	0	14	1	12723.4752	25.1287770	0.2923
G22T	0	0	15	1	12723.4752	25.1287770	0.2923
G22T	0	0	16	1	12723.4752	25.1287770	0.2923
G22T	0	0	17	1	12723.4752	25.1287770	0.2923
G22T	0	0	18	1	12723.4752	25.1287770	0.2923
G22T	0	0	19	1	12723.4752	25.1287770	0.2923
G22T	0	0	20	1	12723.4752	25.1287770	0.2923
G22T	0	0	21	1	12723.4752	25.1287770	0.2923
G22T	0	0	22	1	12723.4752	25.1287770	0.2923
G22T	0	0	23	1	12723.4752	25.1287770	0.2923
G22T	0	0	24	1	12723.4752	25.1287770	0.2923
G23T	0	0	1	1	12723.4752	25.1287770	0.2923
G23T	0	0	2	1	12723.4752	25.1287770	0.2923

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G23T	0	0	3	1	12723.4752	25.1287770	0.2923
G23T	0	0	4	1	12723.4752	25.1287770	0.2923
G23T	0	0	5	1	12723.4752	25.1287770	0.2923
G23T	0	0	6	1	12723.4752	25.1287770	0.2923
G23T	0	0	7	1	12723.4752	25.1287770	0.2923
G23T	0	0	8	1	12723.4752	25.1287770	0.2923
G23T	0	0	9	1	12723.4752	25.1287770	0.2923
G23T	0	0	10	1	12723.4752	25.1287770	0.2923
G23T	0	0	11	1	12723.4752	25.1287770	0.2923
G23T	0	0	12	1	12723.4752	25.1287770	0.2923
G23T	0	0	13	1	12723.4752	25.1287770	0.2923
G23T	0	0	14	1	12723.4752	25.1287770	0.2923
G23T	0	0	15	1	12723.4752	25.1287770	0.2923
G23T	0	0	16	1	12723.4752	25.1287770	0.2923
G23T	0	0	17	1	12723.4752	25.1287770	0.2923
G23T	0	0	18	1	12723.4752	25.1287770	0.2923
G23T	0	0	19	1	12723.4752	25.1287770	0.2923
G23T	0	0	20	1	12723.4752	25.1287770	0.2923
G23T	0	0	21	1	12723.4752	25.1287770	0.2923
G23T	0	0	22	1	12723.4752	25.1287770	0.2923
G23T	0	0	23	1	12723.4752	25.1287770	0.2923
G23T	0	0	24	1	12723.4752	25.1287770	0.2923
G24T	0	0	1	1	12723.4752	25.1287770	0.2923
G24T	0	0	2	1	12723.4752	25.1287770	0.2923
G24T	0	0	3	1	12723.4752	25.1287770	0.2923
G24T	0	0	4	1	12723.4752	25.1287770	0.2923
G24T	0	0	5	1	12723.4752	25.1287770	0.2923
G24T	0	0	6	1	12723.4752	25.1287770	0.2923
G24T	0	0	7	1	12723.4752	25.1287770	0.2923
G24T	0	0	8	1	12723.4752	25.1287770	0.2923
G24T	0	0	9	1	12723.4752	25.1287770	0.2923
G24T	0	0	10	1	12723.4752	25.1287770	0.2923
G24T	0	0	11	1	12723.4752	25.1287770	0.2923
G24T	0	0	12	1	12723.4752	25.1287770	0.2923
G24T	0	0	13	1	12723.4752	25.1287770	0.2923
G24T	0	0	14	1	12723.4752	25.1287770	0.2923
G24T	0	0	15	1	12723.4752	25.1287770	0.2923
G24T	0	0	16	1	12723.4752	25.1287770	0.2923
G24T	0	0	17	1	12723.4752	25.1287770	0.2923
G24T	0	0	18	1	12723.4752	25.1287770	0.2923
G24T	0	0	19	1	12723.4752	25.1287770	0.2923
G24T	0	0	20	1	12723.4752	25.1287770	0.2923
G24T	0	0	21	1	12723.4752	25.1287770	0.2923
G24T	0	0	22	1	12723.4752	25.1287770	0.2923
G24T	0	0	23	1	12723.4752	25.1287770	0.2923
G24T	0	0	24	1	12723.4752	25.1287770	0.2923
G25T	0	0	1	1	12723.4752	25.1287770	0.2923
G25T	0	0	2	1	12723.4752	25.1287770	0.2923
G25T	0	0	3	1	12723.4752	25.1287770	0.2923

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G25T	0	0	4	1	12723.4752	25.1287770	0.2923
G25T	0	0	5	1	12723.4752	25.1287770	0.2923
G25T	0	0	6	1	12723.4752	25.1287770	0.2923
G25T	0	0	7	1	12723.4752	25.1287770	0.2923
G25T	0	0	8	1	12723.4752	25.1287770	0.2923
G25T	0	0	9	1	12723.4752	25.1287770	0.2923
G25T	0	0	10	1	12723.4752	25.1287770	0.2923
G25T	0	0	11	1	12723.4752	25.1287770	0.2923
G25T	0	0	12	1	12723.4752	25.1287770	0.2923
G25T	0	0	13	1	12723.4752	25.1287770	0.2923
G25T	0	0	14	1	12723.4752	25.1287770	0.2923
G25T	0	0	15	1	12723.4752	25.1287770	0.2923
G25T	0	0	16	1	12723.4752	25.1287770	0.2923
G25T	0	0	17	1	12723.4752	25.1287770	0.2923
G25T	0	0	18	1	12723.4752	25.1287770	0.2923
G25T	0	0	19	1	12723.4752	25.1287770	0.2923
G25T	0	0	20	1	12723.4752	25.1287770	0.2923
G25T	0	0	21	1	12723.4752	25.1287770	0.2923
G25T	0	0	22	1	12723.4752	25.1287770	0.2923
G25T	0	0	23	1	12723.4752	25.1287770	0.2923
G25T	0	0	24	1	12723.4752	25.1287770	0.2923
G26T	0	0	1	1	12723.4752	25.1287770	0.2923
G26T	0	0	2	1	12723.4752	25.1287770	0.2923
G26T	0	0	3	1	12723.4752	25.1287770	0.2923
G26T	0	0	4	1	12723.4752	25.1287770	0.2923
G26T	0	0	5	1	12723.4752	25.1287770	0.2923
G26T	0	0	6	1	12723.4752	25.1287770	0.2923
G26T	0	0	7	1	12723.4752	25.1287770	0.2923
G26T	0	0	8	1	12723.4752	25.1287770	0.2923
G26T	0	0	9	1	12723.4752	25.1287770	0.2923
G26T	0	0	10	1	12723.4752	25.1287770	0.2923
G26T	0	0	11	1	12723.4752	25.1287770	0.2923
G26T	0	0	12	1	12723.4752	25.1287770	0.2923
G26T	0	0	13	1	12723.4752	25.1287770	0.2923
G26T	0	0	14	1	12723.4752	25.1287770	0.2923
G26T	0	0	15	1	12723.4752	25.1287770	0.2923
G26T	0	0	16	1	12723.4752	25.1287770	0.2923
G26T	0	0	17	1	12723.4752	25.1287770	0.2923
G26T	0	0	18	1	12723.4752	25.1287770	0.2923
G26T	0	0	19	1	12723.4752	25.1287770	0.2923
G26T	0	0	20	1	12723.4752	25.1287770	0.2923
G26T	0	0	21	1	12723.4752	25.1287770	0.2923
G26T	0	0	22	1	12723.4752	25.1287770	0.2923
G26T	0	0	23	1	12723.4752	25.1287770	0.2923
G26T	0	0	24	1	12723.4752	25.1287770	0.2923
G27T	0	0	1	1	12723.4752	25.1287770	0.2923
G27T	0	0	2	1	12723.4752	25.1287770	0.2923
G27T	0	0	3	1	12723.4752	25.1287770	0.2923
G27T	0	0	4	1	12723.4752	25.1287770	0.2923

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G27T	0	0	5	1	12723.4752	25.1287770	0.2923
G27T	0	0	6	1	12723.4752	25.1287770	0.2923
G27T	0	0	7	1	12723.4752	25.1287770	0.2923
G27T	0	0	8	1	12723.4752	25.1287770	0.2923
G27T	0	0	9	1	12723.4752	25.1287770	0.2923
G27T	0	0	10	1	12723.4752	25.1287770	0.2923
G27T	0	0	11	1	12723.4752	25.1287770	0.2923
G27T	0	0	12	1	12723.4752	25.1287770	0.2923
G27T	0	0	13	1	12723.4752	25.1287770	0.2923
G27T	0	0	14	1	12723.4752	25.1287770	0.2923
G27T	0	0	15	1	12723.4752	25.1287770	0.2923
G27T	0	0	16	1	12723.4752	25.1287770	0.2923
G27T	0	0	17	1	12723.4752	25.1287770	0.2923
G27T	0	0	18	1	12723.4752	25.1287770	0.2923
G27T	0	0	19	1	12723.4752	25.1287770	0.2923
G27T	0	0	20	1	12723.4752	25.1287770	0.2923
G27T	0	0	21	1	12723.4752	25.1287770	0.2923
G27T	0	0	22	1	12723.4752	25.1287770	0.2923
G27T	0	0	23	1	12723.4752	25.1287770	0.2923
G27T	0	0	24	1	12723.4752	25.1287770	0.2923
G28T	0	0	1	1	12723.4752	25.1287770	0.2923
G28T	0	0	2	1	12723.4752	25.1287770	0.2923
G28T	0	0	3	1	12723.4752	25.1287770	0.2923
G28T	0	0	4	1	12723.4752	25.1287770	0.2923
G28T	0	0	5	1	12723.4752	25.1287770	0.2923
G28T	0	0	6	1	12723.4752	25.1287770	0.2923
G28T	0	0	7	1	12723.4752	25.1287770	0.2923
G28T	0	0	8	1	12723.4752	25.1287770	0.2923
G28T	0	0	9	1	12723.4752	25.1287770	0.2923
G28T	0	0	10	1	12723.4752	25.1287770	0.2923
G28T	0	0	11	1	12723.4752	25.1287770	0.2923
G28T	0	0	12	1	12723.4752	25.1287770	0.2923
G28T	0	0	13	1	12723.4752	25.1287770	0.2923
G28T	0	0	14	1	12723.4752	25.1287770	0.2923
G28T	0	0	15	1	12723.4752	25.1287770	0.2923
G28T	0	0	16	1	12723.4752	25.1287770	0.2923
G28T	0	0	17	1	12723.4752	25.1287770	0.2923
G28T	0	0	18	1	12723.4752	25.1287770	0.2923
G28T	0	0	19	1	12723.4752	25.1287770	0.2923
G28T	0	0	20	1	12723.4752	25.1287770	0.2923
G28T	0	0	21	1	12723.4752	25.1287770	0.2923
G28T	0	0	22	1	12723.4752	25.1287770	0.2923
G28T	0	0	23	1	12723.4752	25.1287770	0.2923
G28T	0	0	24	1	12723.4752	25.1287770	0.2923
G29T	0	0	1	1	12723.4752	25.1287770	0.2923
G29T	0	0	2	1	12723.4752	25.1287770	0.2923
G29T	0	0	3	1	12723.4752	25.1287770	0.2923
G29T	0	0	4	1	12723.4752	25.1287770	0.2923
G29T	0	0	5	1	12723.4752	25.1287770	0.2923

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G29T	0	0	6	1	12723.4752	25.1287770	0.2923
G29T	0	0	7	1	12723.4752	25.1287770	0.2923
G29T	0	0	8	1	12723.4752	25.1287770	0.2923
G29T	0	0	9	1	12723.4752	25.1287770	0.2923
G29T	0	0	10	1	12723.4752	25.1287770	0.2923
G29T	0	0	11	1	12723.4752	25.1287770	0.2923
G29T	0	0	12	1	12723.4752	25.1287770	0.2923
G29T	0	0	13	1	12723.4752	25.1287770	0.2923
G29T	0	0	14	1	12723.4752	25.1287770	0.2923
G29T	0	0	15	1	12723.4752	25.1287770	0.2923
G29T	0	0	16	1	12723.4752	25.1287770	0.2923
G29T	0	0	17	1	12723.4752	25.1287770	0.2923
G29T	0	0	18	1	12723.4752	25.1287770	0.2923
G29T	0	0	19	1	12723.4752	25.1287770	0.2923
G29T	0	0	20	1	12723.4752	25.1287770	0.2923
G29T	0	0	21	1	12723.4752	25.1287770	0.2923
G29T	0	0	22	1	12723.4752	25.1287770	0.2923
G29T	0	0	23	1	12723.4752	25.1287770	0.2923
G29T	0	0	24	1	12723.4752	25.1287770	0.2923
G30T	0	0	1	1	12723.4752	25.1287770	0.2923
G30T	0	0	2	1	12723.4752	25.1287770	0.2923
G30T	0	0	3	1	12723.4752	25.1287770	0.2923
G30T	0	0	4	1	12723.4752	25.1287770	0.2923
G30T	0	0	5	1	12723.4752	25.1287770	0.2923
G30T	0	0	6	1	12723.4752	25.1287770	0.2923
G30T	0	0	7	1	12723.4752	25.1287770	0.2923
G30T	0	0	8	1	12723.4752	25.1287770	0.2923
G30T	0	0	9	1	12723.4752	25.1287770	0.2923
G30T	0	0	10	1	12723.4752	25.1287770	0.2923
G30T	0	0	11	1	12723.4752	25.1287770	0.2923
G30T	0	0	12	1	12723.4752	25.1287770	0.2923
G30T	0	0	13	1	12723.4752	25.1287770	0.2923
G30T	0	0	14	1	12723.4752	25.1287770	0.2923
G30T	0	0	15	1	12723.4752	25.1287770	0.2923
G30T	0	0	16	1	12723.4752	25.1287770	0.2923
G30T	0	0	17	1	12723.4752	25.1287770	0.2923
G30T	0	0	18	1	12723.4752	25.1287770	0.2923
G30T	0	0	19	1	12723.4752	25.1287770	0.2923
G30T	0	0	20	1	12723.4752	25.1287770	0.2923
G30T	0	0	21	1	12723.4752	25.1287770	0.2923
G30T	0	0	22	1	12723.4752	25.1287770	0.2923
G30T	0	0	23	1	12723.4752	25.1287770	0.2923
G30T	0	0	24	1	12723.4752	25.1287770	0.2923
G31T	0	0	1	1	12723.4752	25.1287770	0.2923
G31T	0	0	2	1	12723.4752	25.1287770	0.2923
G31T	0	0	3	1	12723.4752	25.1287770	0.2923
G31T	0	0	4	1	12723.4752	25.1287770	0.2923
G31T	0	0	5	1	12723.4752	25.1287770	0.2923
G31T	0	0	6	1	12723.4752	25.1287770	0.2923

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G31T	0	0	7	1	12723.4752	25.1287770	0.2923
G31T	0	0	8	1	12723.4752	25.1287770	0.2923
G31T	0	0	9	1	12723.4752	25.1287770	0.2923
G31T	0	0	10	1	12723.4752	25.1287770	0.2923
G31T	0	0	11	1	12723.4752	25.1287770	0.2923
G31T	0	0	12	1	12723.4752	25.1287770	0.2923
G31T	0	0	13	1	12723.4752	25.1287770	0.2923
G31T	0	0	14	1	12723.4752	25.1287770	0.2923
G31T	0	0	15	1	12723.4752	25.1287770	0.2923
G31T	0	0	16	1	12723.4752	25.1287770	0.2923
G31T	0	0	17	1	12723.4752	25.1287770	0.2923
G31T	0	0	18	1	12723.4752	25.1287770	0.2923
G31T	0	0	19	1	12723.4752	25.1287770	0.2923
G31T	0	0	20	1	12723.4752	25.1287770	0.2923
G31T	0	0	21	1	12723.4752	25.1287770	0.2923
G31T	0	0	22	1	12723.4752	25.1287770	0.2923
G31T	0	0	23	1	12723.4752	25.1287770	0.2923
G31T	0	0	24	1	12723.4752	25.1287770	0.2923
G32T	0	0	1	1	12723.4752	25.1287770	0.2923
G32T	0	0	2	1	12723.4752	25.1287770	0.2923
G32T	0	0	3	1	12723.4752	25.1287770	0.2923
G32T	0	0	4	1	12723.4752	25.1287770	0.2923
G32T	0	0	5	1	12723.4752	25.1287770	0.2923
G32T	0	0	6	1	12723.4752	25.1287770	0.2923
G32T	0	0	7	1	12723.4752	25.1287770	0.2923
G32T	0	0	8	1	12723.4752	25.1287770	0.2923
G32T	0	0	9	1	12723.4752	25.1287770	0.2923
G32T	0	0	10	1	12723.4752	25.1287770	0.2923
G32T	0	0	11	1	12723.4752	25.1287770	0.2923
G32T	0	0	12	1	12723.4752	25.1287770	0.2923
G32T	0	0	13	1	12723.4752	25.1287770	0.2923
G32T	0	0	14	1	12723.4752	25.1287770	0.2923
G32T	0	0	15	1	12723.4752	25.1287770	0.2923
G32T	0	0	16	1	12723.4752	25.1287770	0.2923
G32T	0	0	17	1	12723.4752	25.1287770	0.2923
G32T	0	0	18	1	12723.4752	25.1287770	0.2923
G32T	0	0	19	1	12723.4752	25.1287770	0.2923
G32T	0	0	20	1	12723.4752	25.1287770	0.2923
G32T	0	0	21	1	12723.4752	25.1287770	0.2923
G32T	0	0	22	1	12723.4752	25.1287770	0.2923
G32T	0	0	23	1	12723.4752	25.1287770	0.2923
G32T	0	0	24	1	12723.4752	25.1287770	0.2923
G33T	0	0	1	1	12723.4752	25.1287770	0.2923
G33T	0	0	2	1	12723.4752	25.1287770	0.2923
G33T	0	0	3	1	12723.4752	25.1287770	0.2923
G33T	0	0	4	1	12723.4752	25.1287770	0.2923
G33T	0	0	5	1	12723.4752	25.1287770	0.2923
G33T	0	0	6	1	12723.4752	25.1287770	0.2923
G33T	0	0	7	1	12723.4752	25.1287770	0.2923

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G33T	0	0	8	1	12723.4752	25.1287770	0.2923
G33T	0	0	9	1	12723.4752	25.1287770	0.2923
G33T	0	0	10	1	12723.4752	25.1287770	0.2923
G33T	0	0	11	1	12723.4752	25.1287770	0.2923
G33T	0	0	12	1	12723.4752	25.1287770	0.2923
G33T	0	0	13	1	12723.4752	25.1287770	0.2923
G33T	0	0	14	1	12723.4752	25.1287770	0.2923
G33T	0	0	15	1	12723.4752	25.1287770	0.2923
G33T	0	0	16	1	12723.4752	25.1287770	0.2923
G33T	0	0	17	1	12723.4752	25.1287770	0.2923
G33T	0	0	18	1	12723.4752	25.1287770	0.2923
G33T	0	0	19	1	12723.4752	25.1287770	0.2923
G33T	0	0	20	1	12723.4752	25.1287770	0.2923
G33T	0	0	21	1	12723.4752	25.1287770	0.2923
G33T	0	0	22	1	12723.4752	25.1287770	0.2923
G33T	0	0	23	1	12723.4752	25.1287770	0.2923
G33T	0	0	24	1	12723.4752	25.1287770	0.2923
G34T	0	0	1	1	12723.4752	25.1287770	0.2923
G34T	0	0	2	1	12723.4752	25.1287770	0.2923
G34T	0	0	3	1	12723.4752	25.1287770	0.2923
G34T	0	0	4	1	12723.4752	25.1287770	0.2923
G34T	0	0	5	1	12723.4752	25.1287770	0.2923
G34T	0	0	6	1	12723.4752	25.1287770	0.2923
G34T	0	0	7	1	12723.4752	25.1287770	0.2923
G34T	0	0	8	1	12723.4752	25.1287770	0.2923
G34T	0	0	9	1	12723.4752	25.1287770	0.2923
G34T	0	0	10	1	12723.4752	25.1287770	0.2923
G34T	0	0	11	1	12723.4752	25.1287770	0.2923
G34T	0	0	12	1	12723.4752	25.1287770	0.2923
G34T	0	0	13	1	12723.4752	25.1287770	0.2923
G34T	0	0	14	1	12723.4752	25.1287770	0.2923
G34T	0	0	15	1	12723.4752	25.1287770	0.2923
G34T	0	0	16	1	12723.4752	25.1287770	0.2923
G34T	0	0	17	1	12723.4752	25.1287770	0.2923
G34T	0	0	18	1	12723.4752	25.1287770	0.2923
G34T	0	0	19	1	12723.4752	25.1287770	0.2923
G34T	0	0	20	1	12723.4752	25.1287770	0.2923
G34T	0	0	21	1	12723.4752	25.1287770	0.2923
G34T	0	0	22	1	12723.4752	25.1287770	0.2923
G34T	0	0	23	1	12723.4752	25.1287770	0.2923
G34T	0	0	24	1	12723.4752	25.1287770	0.2923
G35T	0	0	1	1	12723.4752	25.1287770	0.2923
G35T	0	0	2	1	12723.4752	25.1287770	0.2923
G35T	0	0	3	1	12723.4752	25.1287770	0.2923
G35T	0	0	4	1	12723.4752	25.1287770	0.2923
G35T	0	0	5	1	12723.4752	25.1287770	0.2923
G35T	0	0	6	1	12723.4752	25.1287770	0.2923
G35T	0	0	7	1	12723.4752	25.1287770	0.2923
G35T	0	0	8	1	12723.4752	25.1287770	0.2923

Table B-9: Highway 6 North Mid-Block Interchange - Truck GHG Summary Table: Future Build Conditions (2041)

Source Information					Max Emission Rate (G/VMT)		
Modeling ID	Speed Limit	Speed Bin	Hour	Road Type	CO2	CH4	N2O
G35T	0	0	9	1	12723.4752	25.1287770	0.2923
G35T	0	0	10	1	12723.4752	25.1287770	0.2923
G35T	0	0	11	1	12723.4752	25.1287770	0.2923
G35T	0	0	12	1	12723.4752	25.1287770	0.2923
G35T	0	0	13	1	12723.4752	25.1287770	0.2923
G35T	0	0	14	1	12723.4752	25.1287770	0.2923
G35T	0	0	15	1	12723.4752	25.1287770	0.2923
G35T	0	0	16	1	12723.4752	25.1287770	0.2923
G35T	0	0	17	1	12723.4752	25.1287770	0.2923
G35T	0	0	18	1	12723.4752	25.1287770	0.2923
G35T	0	0	19	1	12723.4752	25.1287770	0.2923
G35T	0	0	20	1	12723.4752	25.1287770	0.2923
G35T	0	0	21	1	12723.4752	25.1287770	0.2923
G35T	0	0	22	1	12723.4752	25.1287770	0.2923
G35T	0	0	23	1	12723.4752	25.1287770	0.2923
G35T	0	0	24	1	12723.4752	25.1287770	0.2923

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Appendix C

Ambient Air Data

Highway 401 and Highway 6 Improvements: Highway 6 North Mid-Block Interchange

Table C-1: Highway 6 North Mid-Block Interchange - Background Ambient Air Quality Concentrations

Criteria Air Contaminant (CAC)	Station ID	Averaging Period (hr)	Units	90th Percentile Concentrations					98th Percentile Concentrations (ug/m3)					99th Percentile Concentrations (ug/m3)				
				2015	2016	2017	2018	2019	2015	2016	2017	2018	2019	2015	2016	2017	2018	2019
NO2	61802	1	ppb	14	13	12	12	12	43	33	34	37	35	-	-	-	-	-
		24	ppb	12	12	11	11	10	19	18	16	16	16	-	-	-	-	-
		Annual	ppb	6	6	6	6	5	-	-	-	-	-	-	-	-	-	-
CO	60512	1	ppm	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-
		8	ppm	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-
SO2	62601	10-min	ppb	20	15	16	26	25	-	-	-	-	-	-	-	-	-	-
		1	ppb	12	9	10	16	15	-	-	-	-	-	77	55	73	98	82
		24	ppb	12	10	10	14	14	-	-	-	-	-	-	-	-	-	-
		Annual	ppb	4	3	3	5	5	-	-	-	-	-	-	-	-	-	-
PM10	--	24	µg/m3	28	23	21	26	25	-	-	-	-	-	-	-	-	-	-
PM2.5	61802	24	µg/m3	15	12	11	14	14	42	33	29	35	36	-	-	-	-	-
		Annual	µg/m3	8	7	7	7	7	-	-	-	-	-	-	-	-	-	-
Acetaldehyde	62601	0.5	µg/m3	1.40	3.52	2.93	2.25	20.60	-	-	-	-	-					
		24	µg/m3	0.47	1.19	0.99	0.76	6.97	-	-	-	-	-	-	-	-	-	-
Acrolein	62601	1	µg/m3	0.07	0.05	0.0009	ND	ND	-	-	-	-	-	-	-	-	-	-
		24	µg/m3	0.03	0.02	0.0004	ND	ND	-	-	-	-	-	-	-	-	-	-
Benzene	61502	24	µg/m3	0.81	0.66	0.65	0.52	0.46	-	-	-	-	-	-	-	-	-	-
		Annual	µg/m3	0.55	0.41	0.45	0.36	0.31	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	62601	24	ng/m3	0.05	0.05	0.04	0.04	0.03	-	-	-	-	-	-	-	-	-	-
		Annual	ng/m3	0.03	0.03	0.02	0.02	0.02	-	-	-	-	-	-	-	-	-	-
1,3-Butadiene	61502	24	µg/m3	0.05	0.04	0.05	0.03	0.03	-	-	-	-	-	-	-	-	-	-
		Annual	µg/m3	0.03	0.02	0.03	0.02	0.02	-	-	-	-	-	-	-	-	-	-
Formaldehyde	62601	24	µg/m3	1.64	2.24	0.81	0.42	1.51	-	-	-	-	-	-	-	-	-	-
Ozone	61802	1	ppb	44	45	44	45	41	-	-	-	-	-	-	-	-	-	-
Ozone	61802	8	ppb	43	43	42	44	39	-	-	-	-	-	-	-	-	-	-
		24	ppb	38	39	38	40	36	-	-	-	-	-	-	-	-	-	-

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Appendix D

Input AADT and TMC Traffic Data

Highway 401 and Highway 6 Improvements: Highway 6 North Mid-Block Interchange

Table D-1: Highway 6 North Mid-Block Interchange AADT for Existing Conditions

Detailed Description	Mixing Zone Width (Road Width + 6 M)	AADT: Westbound/ Northbound	AADT: Eastbound/ Southbound	AADT: VLOOKUP	Truck %	Speed Limit (km/hr)	Average Speed Bin	Road Type
Hwy 6N from 401 to Maltby Rd (Maltby Rd - end of SA)	39	12505	12505	25010	0.147	80	11	2
Hwy 6N from Maltby Rd to Laird Rd	36	12505	12505	25010	0.147	80	11	2
RR34 east of Hwy 6N	12	2936	3052	5988	0.147	80	11	3
RR34 west of Hwy 6N	12	1888	1691	3579	0.147	80	11	3

Table D-2: Highway 6 North Mid-Block Interchange Signalized Intersections for Existing Conditions

Detailed Description	Number of Queueing Lanes	Approach AADT: Westbound/ Northbound	Approach AADT: Eastbound/ Southbound	Approach AADT: VLOOKUP	Truck %	Avg Cycle Length (s)	Avg Red Time (s)	Clearance Lost Time (s)	Saturation Flow Rate (v/hr/lane)	Signal Type	Arrival Type
Hwy 6N & Wellington: northbound approaching	4	12272	-	12272	0.147	125	42	2	1850	2	3
Hwy 6N & Wellington: southbound approaching	4	-	11548	11548	0.147	125	42	2	1850	2	3
Hwy 6N & Wellington: westbound approaching	1	2936	-	2936	0.147	125	83	2	1850	2	3
Hwy 6N & Wellington: eastbound approaching	1	-	1691	1691	0.147	125	83	2	1850	2	3

Table D-3: Highway 6 North Mid-Block Interchange AADT for Future Build Out Conditions

Roadway	AADT (2041)		Heavy Truck %	Posted Speed Limit (km/hr)	Notes
	No Build	Build			
Hwy6N – Hwy 401 to Midblock(new)	28,390	54,500	0.16	80	1
RR34rampS_EW	-	5,000	0.15	70	1
RR34rampW_N	-	2,800	0.1	50	1
RR34rampW_S	-	3,400	0.17	70	1
RR34rampN_EW	-	5,400	0.16	70	1
RR34rampE_S	-	3,700	0.14	50	1
RR34rampE_N	-	3,600	0.14	70	1
Well Rd34eastside	22,635	7,500	0.17	80	2
Well Rd34westside	17,180	14,500	0.17	80	2
Well connect EB	-	6,100	0.16	70	1,2
Well connect WB	-	4,900	0.16	70	1,2

Table D-4: Highway 6 North Mid-Block Interchange Signalized Intersections for Future Build Conditions

Detailed Description	Avg Cycle Length (s)	Avg Red Time (s)	Clearance Lost Time (s)	Saturation Flow Rate (v/hr/lane)
Wellington 34 & Midblock	125	42	2	1600
Wellington 34 & Concession Road 7	65	34	2	1600
Midblock and Concession Road 7	70	47	2	1600
SB ramp & Midblock	45	22	2	1600
NB Ramp & Midblock	45	22	2	1600

Highway 401 and Highway 6 Improvements: Highway 6 North Mid-Block Interchange

Table D-5: TMC Wellington 34 & Midblock

Time Period	FBO - 2041															
	NORTHBOUND APPROACH			EASTBOUND APPROACH			SOUTHBOUND APPROACH			WESTBOUND APPROACH			SUM NORTH	SUM EAST	SUM SOUTH	SUM WEST
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right				
PM PEAK	0	0	0	361	382	0	60	0	263	0	368	90	451	442	0	631
AM PEAK	0	0	0	361	382	0	60	0	263	0	368	90	451	442	0	631
AHV (Average Hourly Vol.)	0	0	0	181	191	0	30	0	132	0	184	45	0	316	226	221
AADT (An. Avg. Daily Traffic)	0	0	0	2,888	3,056	0	480	0	2,104	0	2,944	720	0	5,048	3,608	3,536

Table D-6: TMC Wellington 34 & Concession Road 7

Time Period	FBO - 2041															
	NORTHBOUND APPROACH			EASTBOUND APPROACH			SOUTHBOUND APPROACH			WESTBOUND APPROACH			SUM NORTH	SUM EAST	SUM SOUTH	SUM WEST
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right				
PM PEAK	15	48	15	84	362	0	478	265	91	22	383	427	559	855	287	489
AM PEAK	15	48	15	84	362	0	478	265	91	22	383	427	559	855	287	489
AHV (Average Hourly Vol.)	8	24	8	42	181	0	239	133	46	11	192	214	144	245	280	444
AADT (An. Avg. Daily Traffic)	120	384	120	672	2,896	0	3,824	2,120	728	176	3,064	3,416	2,296	3,912	4,472	7,104

Table D-7: TMC Midblock and Concession Road 7

Time Period	FBO - 2041															
	NORTHBOUND APPROACH			EASTBOUND APPROACH			SOUTHBOUND APPROACH			WESTBOUND APPROACH			SUM NORTH	SUM EAST	SUM SOUTH	SUM WEST
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right				
PM PEAK	348	211	0	203	0	355	0	479	269	0	0	0	414	0	834	617
AM PEAK	348	211	0	203	0	355	0	479	269	0	0	0	414	0	834	617
AHV (Average Hourly Vol.)	174	106	0	102	0	178	0	240	135	0	0	0	417	309	207	106
AADT (An. Avg. Daily Traffic)	2,784	1,688	0	1,624	0	2,840	0	3,832	2,152	0	0	0	6,672	4,936	3,312	1,688

Table D-8: TMC SB Ramp & Midblock

Time Period	FBO - 2041															
	NORTHBOUND APPROACH			EASTBOUND APPROACH			SOUTHBOUND APPROACH			WESTBOUND APPROACH			SUM NORTH	SUM EAST	SUM SOUTH	SUM WEST
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right				
PM PEAK	0	0	0	0	241	197	115	0	287	0	41	342	0	356	539	328
AM PEAK	0	0	0	0	241	197	115	0	287	0	41	342	0	356	539	328
AHV (Average Hourly Vol.)	0	0	0	0	121	99	58	0	144	0	21	171	99	164	171	178
AADT (An. Avg. Daily Traffic)	0	0	0	0	1,928	1,576	920	0	2,296	0	328	2,736	1,576	2,624	2,736	2,848

Table D-9: TMC NB Ramp & Midblock

Time Period	FBO - 2041															
	NORTHBOUND APPROACH			EASTBOUND APPROACH			SOUTHBOUND APPROACH			WESTBOUND APPROACH			SUM NORTH	SUM EAST	SUM SOUTH	SUM WEST
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right				
PM PEAK	15	0	438	0	7	234	0	0	0	0	383	233	467	445	0	398
AM PEAK	15	0	438	0	7	234	0	0	0	0	383	233	467	445	0	398
AHV (Average Hourly Vol.)	8	0	219	0	4	117	0	0	0	0	192	117	117	199	117	4
AADT (An. Avg. Daily Traffic)	120	0	3,504	0	56	1,872	0	0	0	0	3,064	1,864	1,872	3,184	1,864	56

Table D-10: TMC Concession Road 7 & Maltby Road

Time Period	FBO - 2041															
	NORTHBOUND APPROACH			EASTBOUND APPROACH			SOUTHBOUND APPROACH			WESTBOUND APPROACH			SUM NORTH	SUM EAST	SUM SOUTH	SUM WEST
	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right				
PM PEAK	0	82	332	0	0	0	0	51	0	698	0	15	97	332	749	0
AM PEAK	0	82	332	0	0	0	0	51	0	698	0	15	97	332	749	0
AHV (Average Hourly Vol.)	0	41	166	0	0	0	0	26	0	349	0	8	375	0	49	41
AADT (An. Avg. Daily Traffic)	0	656	2,656	0	0	0	0	408	0	5,584	0	120	5,992	0	776	656

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Appendix E

MOVES3.0 Output Summary

CAR Travel Emission Rate Calculation: GHG (2017)

PollutantID	90	Atmospheric CO2	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	4217.784
1	0	2	4217.784
1	0	3	4217.784
1	0	4	4217.784
1	0	5	4217.784
1	0	6	4217.784
1	0	7	4217.784
1	0	8	4217.784
1	0	9	4235.82
1	0	10	4356.623
1	0	11	4451.528
1	0	12	4522.173
1	0	13	4557.184
1	0	14	4589.146
1	0	15	4611.265
1	0	16	4601.001
1	0	17	4591.482
1	0	18	4567.369
1	0	19	4515.006
1	0	20	4432.688
1	0	21	4300.397
1	0	22	4217.923
1	0	23	4217.784
1	0	24	4217.784
2	1	1	2495.677
2	1	2	2495.677
2	1	3	2495.677
2	1	4	2495.677
2	1	5	2495.677
2	1	6	2495.677
2	1	7	2495.677
2	1	8	2495.677
2	1	9	2504.364
2	1	10	2562.516
2	1	11	2608.213
2	1	12	2642.228
2	1	13	2659.086
2	1	14	2674.469
2	1	15	2685.116
2	1	16	2680.178
2	1	17	2675.592
2	1	18	2663.987
2	1	19	2638.775
2	1	20	2599.14
2	1	21	2535.455
2	1	22	2495.746
2	1	23	2495.677
2	1	24	2495.677
2	7	1	468.226
2	7	2	468.226
2	7	3	468.226
2	7	4	468.226
2	7	5	468.226
2	7	6	468.226

PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.1264777
1	0	2	0.1264777
1	0	3	0.1264777
1	0	4	0.1264777
1	0	5	0.1264777
1	0	6	0.1264777
1	0	7	0.1264777
1	0	8	0.1264777
1	0	9	0.1264777
1	0	10	0.1264777
1	0	11	0.1264777
1	0	12	0.1264777
1	0	13	0.1264777
1	0	14	0.1264777
1	0	15	0.1264777
1	0	16	0.1264777
1	0	17	0.1264777
1	0	18	0.1264777
1	0	19	0.1264777
1	0	20	0.1264777
1	0	21	0.1264777
1	0	22	0.1264777
1	0	23	0.1264777
1	0	24	0.1264777
2	1	1	0.0520294
2	1	2	0.0520294
2	1	3	0.0520294
2	1	4	0.0520294
2	1	5	0.0520294
2	1	6	0.0520294
2	1	7	0.0520294
2	1	8	0.0520294
2	1	9	0.0520294
2	1	10	0.0520294
2	1	11	0.0520294
2	1	12	0.0520294
2	1	13	0.0520294
2	1	14	0.0520294
2	1	15	0.0520294
2	1	16	0.0520294
2	1	17	0.0520294
2	1	18	0.0520294
2	1	19	0.0520294
2	1	20	0.0520294
2	1	21	0.0520294
2	1	22	0.0520294
2	1	23	0.0520294
2	1	24	0.0520294
2	7	1	0.0043358
2	7	2	0.0043358
2	7	3	0.0043358
2	7	4	0.0043358
2	7	5	0.0043358
2	7	6	0.0043358

CAR Travel Emission Rate Calculation: GHG (2017)

PollutantID	90	Atmospheric CO2	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	468.226
2	7	8	468.226
2	7	9	469.2368
2	7	10	476.0002
2	7	11	481.314
2	7	12	485.2689
2	7	13	487.2298
2	7	14	489.0196
2	7	15	490.2572
2	7	16	489.6829
2	7	17	489.1489
2	7	18	487.7996
2	7	19	484.8681
2	7	20	480.2594
2	7	21	472.8518
2	7	22	468.2343
2	7	23	468.226
2	7	24	468.226
2	8	1	454.1897
2	8	2	454.1897
2	8	3	454.1897
2	8	4	454.1897
2	8	5	454.1897
2	8	6	454.1897
2	8	7	454.1897
2	8	8	454.1897
2	8	9	455.1131
2	8	10	461.2966
2	8	11	466.1552
2	8	12	469.7706
2	8	13	471.5633
2	8	14	473.1996
2	8	15	474.3311
2	8	16	473.8062
2	8	17	473.3182
2	8	18	472.0843
2	8	19	469.4041
2	8	20	465.1905
2	8	21	458.4182
2	8	22	454.1971
2	8	23	454.1897
2	8	24	454.1897
2	10	1	437.7066
2	10	2	437.7066
2	10	3	437.7066
2	10	4	437.7066
2	10	5	437.7066
2	10	6	437.7065
2	10	7	437.7066
2	10	8	437.7066
2	10	9	438.518
2	10	10	443.9492
2	10	11	448.2168
2	10	12	451.3942

PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	0.0043358
2	7	8	0.0043358
2	7	9	0.0043358
2	7	10	0.0043358
2	7	11	0.0043358
2	7	12	0.0043358
2	7	13	0.0043358
2	7	14	0.0043358
2	7	15	0.0043358
2	7	16	0.0043358
2	7	17	0.0043358
2	7	18	0.0043358
2	7	19	0.0043358
2	7	20	0.0043358
2	7	21	0.0043358
2	7	22	0.0043358
2	7	23	0.0043358
2	7	24	0.0043358
2	8	1	0.0037164
2	8	2	0.0037164
2	8	3	0.0037164
2	8	4	0.0037164
2	8	5	0.0037164
2	8	6	0.0037164
2	8	7	0.0037164
2	8	8	0.0037164
2	8	9	0.0037164
2	8	10	0.0037164
2	8	11	0.0037164
2	8	12	0.0037164
2	8	13	0.0037164
2	8	14	0.0037164
2	8	15	0.0037164
2	8	16	0.0037164
2	8	17	0.0037164
2	8	18	0.0037164
2	8	19	0.0037164
2	8	20	0.0037164
2	8	21	0.0037164
2	8	22	0.0037164
2	8	23	0.0037164
2	8	24	0.0037164
2	10	1	0.0028905
2	10	2	0.0028905
2	10	3	0.0028905
2	10	4	0.0028905
2	10	5	0.0028905
2	10	6	0.0028905
2	10	7	0.0028905
2	10	8	0.0028905
2	10	9	0.0028905
2	10	10	0.0028905
2	10	11	0.0028905
2	10	12	0.0028905

CAR Travel Emission Rate Calculation: GHG (2017)

PollutantID	90	Atmospheric CO2	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	452.9689
2	10	14	454.4057
2	10	15	455.4003
2	10	16	454.939
2	10	17	454.5101
2	10	18	453.4259
2	10	19	451.0713
2	10	20	447.3694
2	10	21	441.4212
2	10	22	437.7125
2	10	23	437.7066
2	10	24	437.7066
2	11	1	427.6909
2	11	2	427.6909
2	11	3	427.6909
2	11	4	427.6909
2	11	5	427.6909
2	11	6	427.6909
2	11	7	427.6909
2	11	8	427.6909
2	11	9	428.4566
2	11	10	433.586
2	11	11	437.6163
2	11	12	440.6158
2	11	13	442.1026
2	11	14	443.4598
2	11	15	444.3989
2	11	16	443.9631
2	11	17	443.5592
2	11	18	442.5349
2	11	19	440.3111
2	11	20	436.816
2	11	21	431.1986
2	11	22	427.6967
2	11	23	427.6909
2	11	24	427.6909
3	1	1	2495.677
3	1	2	2495.677
3	1	3	2495.677
3	1	4	2495.677
3	1	5	2495.677
3	1	6	2495.677
3	1	7	2495.677
3	1	8	2495.677
3	1	9	2504.364
3	1	10	2562.516
3	1	11	2608.213
3	1	12	2642.228
3	1	13	2659.086
3	1	14	2674.469
3	1	15	2685.116
3	1	16	2680.178
3	1	17	2675.592
3	1	18	2663.987

PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	0.0028905
2	10	14	0.0028905
2	10	15	0.0028905
2	10	16	0.0028905
2	10	17	0.0028905
2	10	18	0.0028905
2	10	19	0.0028905
2	10	20	0.0028905
2	10	21	0.0028905
2	10	22	0.0028905
2	10	23	0.0028905
2	10	24	0.0028905
2	11	1	0.0026015
2	11	2	0.0026015
2	11	3	0.0026015
2	11	4	0.0026015
2	11	5	0.0026015
2	11	6	0.0026015
2	11	7	0.0026015
2	11	8	0.0026015
2	11	9	0.0026015
2	11	10	0.0026015
2	11	11	0.0026015
2	11	12	0.0026015
2	11	13	0.0026015
2	11	14	0.0026015
2	11	15	0.0026015
2	11	16	0.0026015
2	11	17	0.0026015
2	11	18	0.0026015
2	11	19	0.0026015
2	11	20	0.0026015
2	11	21	0.0026015
2	11	22	0.0026015
2	11	23	0.0026015
2	11	24	0.0026015
3	1	1	0.0520294
3	1	2	0.0520294
3	1	3	0.0520294
3	1	4	0.0520294
3	1	5	0.0520294
3	1	6	0.0520294
3	1	7	0.0520294
3	1	8	0.0520294
3	1	9	0.0520294
3	1	10	0.0520294
3	1	11	0.0520294
3	1	12	0.0520294
3	1	13	0.0520294
3	1	14	0.0520294
3	1	15	0.0520294
3	1	16	0.0520294
3	1	17	0.0520294
3	1	18	0.0520294

CAR Travel Emission Rate Calculation: GHG (2017)

PollutantID	90	Atmospheric CO2	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	2638.775
3	1	20	2599.14
3	1	21	2535.455
3	1	22	2495.746
3	1	23	2495.677
3	1	24	2495.677
3	7	1	482.1586
3	7	2	482.1586
3	7	3	482.1586
3	7	4	482.1586
3	7	5	482.1586
3	7	6	482.1586
3	7	7	482.1586
3	7	8	482.1586
3	7	9	483.1714
3	7	10	489.9567
3	7	11	495.2873
3	7	12	499.2552
3	7	13	501.2218
3	7	14	503.0175
3	7	15	504.2587
3	7	16	503.6831
3	7	17	503.1479
3	7	18	501.7934
3	7	19	498.8524
3	7	20	494.2292
3	7	21	486.7989
3	7	22	482.1664
3	7	23	482.1586
3	7	24	482.1586
3	8	1	459.1576
3	8	2	459.1576
3	8	3	459.1576
3	8	4	459.1576
3	8	5	459.1576
3	8	6	459.1576
3	8	7	459.1576
3	8	8	459.1576
3	8	9	460.0782
3	8	10	466.2398
3	8	11	471.0813
3	8	12	474.6848
3	8	13	476.4708
3	8	14	478.1014
3	8	15	479.2296
3	8	16	478.7061
3	8	17	478.22
3	8	18	476.9904
3	8	19	474.3192
3	8	20	470.1203
3	8	21	463.3718
3	8	22	459.165
3	8	23	459.1576
3	8	24	459.1576

PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	0.0520294
3	1	20	0.0520294
3	1	21	0.0520294
3	1	22	0.0520294
3	1	23	0.0520294
3	1	24	0.0520294
3	7	1	0.0043358
3	7	2	0.0043358
3	7	3	0.0043358
3	7	4	0.0043358
3	7	5	0.0043358
3	7	6	0.0043358
3	7	7	0.0043358
3	7	8	0.0043358
3	7	9	0.0043358
3	7	10	0.0043358
3	7	11	0.0043358
3	7	12	0.0043358
3	7	13	0.0043358
3	7	14	0.0043358
3	7	15	0.0043358
3	7	16	0.0043358
3	7	17	0.0043358
3	7	18	0.0043358
3	7	19	0.0043358
3	7	20	0.0043358
3	7	21	0.0043358
3	7	22	0.0043358
3	7	23	0.0043358
3	7	24	0.0043358
3	8	1	0.0037164
3	8	2	0.0037164
3	8	3	0.0037164
3	8	4	0.0037164
3	8	5	0.0037164
3	8	6	0.0037164
3	8	7	0.0037164
3	8	8	0.0037164
3	8	9	0.0037164
3	8	10	0.0037164
3	8	11	0.0037164
3	8	12	0.0037164
3	8	13	0.0037164
3	8	14	0.0037164
3	8	15	0.0037164
3	8	16	0.0037164
3	8	17	0.0037164
3	8	18	0.0037164
3	8	19	0.0037164
3	8	20	0.0037164
3	8	21	0.0037164
3	8	22	0.0037164
3	8	23	0.0037164
3	8	24	0.0037164

CAR Travel Emission Rate Calculation: GHG (2017)

PollutantID	90	Atmospheric CO2	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	436.0107
3	10	2	436.0107
3	10	3	436.0107
3	10	4	436.0107
3	10	5	436.0107
3	10	6	436.0107
3	10	7	436.0107
3	10	8	436.0107
3	10	9	436.8129
3	10	10	442.1874
3	10	11	446.4098
3	10	12	449.5536
3	10	13	451.1111
3	10	14	452.5332
3	10	15	453.5175
3	10	16	453.0606
3	10	17	452.6371
3	10	18	451.5642
3	10	19	449.2342
3	10	20	445.5721
3	10	21	439.686
3	10	22	436.0171
3	10	23	436.0107
3	10	24	436.0107
3	11	1	428.6775
3	11	2	428.6775
3	11	3	428.6775
3	11	4	428.6775
3	11	5	428.6775
3	11	6	428.6775
3	11	7	428.6775
3	11	8	428.6775
3	11	9	429.4404
3	11	10	434.5474
3	11	11	438.56
3	11	12	441.5472
3	11	13	443.0282
3	11	14	444.3797
3	11	15	445.3136
3	11	16	444.8802
3	11	17	444.4777
3	11	18	443.4582
3	11	19	441.2447
3	11	20	437.7637
3	11	21	432.1709
3	11	22	428.6838
3	11	23	428.6775
3	11	24	428.6775

PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	0.0028905
3	10	2	0.0028905
3	10	3	0.0028905
3	10	4	0.0028905
3	10	5	0.0028905
3	10	6	0.0028905
3	10	7	0.0028905
3	10	8	0.0028905
3	10	9	0.0028905
3	10	10	0.0028905
3	10	11	0.0028905
3	10	12	0.0028905
3	10	13	0.0028905
3	10	14	0.0028905
3	10	15	0.0028905
3	10	16	0.0028905
3	10	17	0.0028905
3	10	18	0.0028905
3	10	19	0.0028905
3	10	20	0.0028905
3	10	21	0.0028905
3	10	22	0.0028905
3	10	23	0.0028905
3	10	24	0.0028905
3	11	1	0.0026015
3	11	2	0.0026015
3	11	3	0.0026015
3	11	4	0.0026015
3	11	5	0.0026015
3	11	6	0.0026015
3	11	7	0.0026015
3	11	8	0.0026015
3	11	9	0.0026015
3	11	10	0.0026015
3	11	11	0.0026015
3	11	12	0.0026015
3	11	13	0.0026015
3	11	14	0.0026015
3	11	15	0.0026015
3	11	16	0.0026015
3	11	17	0.0026015
3	11	18	0.0026015
3	11	19	0.0026015
3	11	20	0.0026015
3	11	21	0.0026015
3	11	22	0.0026015
3	11	23	0.0026015
3	11	24	0.0026015

AECOM

CAR Travel Emission Rate Calculation: GHG (2017)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.232072
1	0	2	0.232072
1	0	3	0.232072
1	0	4	0.232072
1	0	5	0.232072
1	0	6	0.232072
1	0	7	0.232072
1	0	8	0.232072
1	0	9	0.232258
1	0	10	0.233503
1	0	11	0.23448
1	0	12	0.235207
1	0	13	0.235568
1	0	14	0.235897
1	0	15	0.236125
1	0	16	0.236019
1	0	17	0.23592
1	0	18	0.235673
1	0	19	0.235133
1	0	20	0.234285
1	0	21	0.232922
1	0	22	0.232074
1	0	23	0.232072
1	0	24	0.232072
2	1	1	0.184824
2	1	2	0.184824
2	1	3	0.184824
2	1	4	0.184824
2	1	5	0.184824
2	1	6	0.184824
2	1	7	0.184824
2	1	8	0.184824
2	1	9	0.185084
2	1	10	0.186821
2	1	11	0.188187
2	1	12	0.189203
2	1	13	0.189706
2	1	14	0.190166
2	1	15	0.190484
2	1	16	0.190337
2	1	17	0.190199
2	1	18	0.189853
2	1	19	0.1891
2	1	20	0.187916
2	1	21	0.186013
2	1	22	0.184827
2	1	23	0.184824
2	1	24	0.184824
2	7	1	0.036181
2	7	2	0.036181
2	7	3	0.036181
2	7	4	0.036181
2	7	5	0.036181
2	7	6	0.036181

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	15.9916642
1	0	2	15.9916642
1	0	3	15.9916642
1	0	4	15.9916642
1	0	5	15.9916642
1	0	6	15.9916642
1	0	7	15.9916642
1	0	8	15.9916642
1	0	9	15.9916642
1	0	10	15.9916642
1	0	11	15.9916642
1	0	12	15.9916642
1	0	13	15.9916642
1	0	14	15.9916642
1	0	15	15.9916642
1	0	16	15.9916642
1	0	17	15.9916642
1	0	18	15.9916642
1	0	19	15.9916642
1	0	20	15.9916642
1	0	21	15.9916642
1	0	22	15.9916642
1	0	23	15.9916642
1	0	24	15.9916642
2	1	1	21.2507023
2	1	2	21.2507023
2	1	3	21.2507023
2	1	4	21.2507023
2	1	5	21.2507023
2	1	6	21.2507023
2	1	7	21.2507023
2	1	8	21.2507023
2	1	9	21.2507023
2	1	10	21.6286353
2	1	11	22.6049562
2	1	12	23.33150209
2	1	13	23.69173847
2	1	14	24.02051857
2	1	15	24.24796946
2	1	16	24.14239941
2	1	17	24.0444318
2	1	18	23.79643877
2	1	19	23.25780225
2	1	20	22.41110939
2	1	21	21.2572631
2	1	22	21.2507023
2	1	23	21.2507023
2	1	24	21.2507023
2	7	1	5.24966608
2	7	2	5.24966608
2	7	3	5.24966608
2	7	4	5.24966608
2	7	5	5.24966608
2	7	6	5.24966608

AECOM

CAR Travel Emission Rate Calculation: GHG (2017)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	0.036181
2	7	8	0.036181
2	7	9	0.03625
2	7	10	0.036709
2	7	11	0.03707
2	7	12	0.037338
2	7	13	0.037472
2	7	14	0.037593
2	7	15	0.037677
2	7	16	0.037638
2	7	17	0.037602
2	7	18	0.03751
2	7	19	0.037311
2	7	20	0.036998
2	7	21	0.036495
2	7	22	0.036182
2	7	23	0.036181
2	7	24	0.036181
2	8	1	0.032867
2	8	2	0.032867
2	8	3	0.032867
2	8	4	0.032867
2	8	5	0.032867
2	8	6	0.032867
2	8	7	0.032867
2	8	8	0.032867
2	8	9	0.03293
2	8	10	0.033351
2	8	11	0.033681
2	8	12	0.033927
2	8	13	0.034049
2	8	14	0.03416
2	8	15	0.034237
2	8	16	0.034202
2	8	17	0.034168
2	8	18	0.034084
2	8	19	0.033902
2	8	20	0.033615
2	8	21	0.033155
2	8	22	0.032868
2	8	23	0.032867
2	8	24	0.032867
2	10	1	0.028334
2	10	2	0.028334
2	10	3	0.028334
2	10	4	0.028334
2	10	5	0.028334
2	10	6	0.028334
2	10	7	0.028334
2	10	8	0.028334
2	10	9	0.028389
2	10	10	0.028757
2	10	11	0.029046
2	10	12	0.029262

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	5.24966608
2	7	8	5.24966608
2	7	9	5.24966608
2	7	10	5.4140259
2	7	11	5.697781312
2	7	12	5.90898571
2	7	13	6.013682503
2	7	14	6.109247672
2	7	15	6.175354891
2	7	16	6.144678989
2	7	17	6.116194654
2	7	18	6.044114069
2	7	19	5.887556795
2	7	20	5.641459721
2	7	21	5.264951963
2	7	22	5.24966608
2	7	23	5.24966608
2	7	24	5.24966608
2	8	1	4.982040795
2	8	2	4.982040795
2	8	3	4.982040795
2	8	4	4.982040795
2	8	5	4.982040795
2	8	6	4.982040795
2	8	7	4.982040795
2	8	8	4.982040795
2	8	9	4.982040795
2	8	10	5.133641491
2	8	11	5.399709274
2	8	12	5.597738641
2	8	13	5.695903477
2	8	14	5.785513532
2	8	15	5.847489566
2	8	16	5.818727244
2	8	17	5.792028143
2	8	18	5.724439703
2	8	19	5.577646502
2	8	20	5.346894832
2	8	21	4.995909528
2	8	22	4.982040795
2	8	23	4.982040795
2	8	24	4.982040795
2	10	1	4.622231916
2	10	2	4.622231916
2	10	3	4.622231916
2	10	4	4.622231916
2	10	5	4.622231916
2	10	6	4.622231916
2	10	7	4.622231916
2	10	8	4.622231916
2	10	9	4.622231916
2	10	10	4.756437297
2	10	11	4.998405871
2	10	12	5.178494719

CAR Travel Emission Rate Calculation: GHG (2017)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	0.029368
2	10	14	0.029466
2	10	15	0.029533
2	10	16	0.029502
2	10	17	0.029473
2	10	18	0.029399
2	10	19	0.02924
2	10	20	0.028989
2	10	21	0.028586
2	10	22	0.028335
2	10	23	0.028334
2	10	24	0.028334
2	11	1	0.02684
2	11	2	0.02684
2	11	3	0.02684
2	11	4	0.02684
2	11	5	0.02684
2	11	6	0.02684
2	11	7	0.02684
2	11	8	0.02684
2	11	9	0.026892
2	11	10	0.027245
2	11	11	0.027521
2	11	12	0.027727
2	11	13	0.02783
2	11	14	0.027923
2	11	15	0.027987
2	11	16	0.027957
2	11	17	0.02793
2	11	18	0.027859
2	11	19	0.027707
2	11	20	0.027466
2	11	21	0.027081
2	11	22	0.02684
2	11	23	0.02684
2	11	24	0.02684
3	1	1	0.184824
3	1	2	0.184824
3	1	3	0.184824
3	1	4	0.184824
3	1	5	0.184824
3	1	6	0.184824
3	1	7	0.184824
3	1	8	0.184824
3	1	9	0.185084
3	1	10	0.186821
3	1	11	0.188187
3	1	12	0.189203
3	1	13	0.189706
3	1	14	0.190166
3	1	15	0.190484
3	1	16	0.190337
3	1	17	0.190199
3	1	18	0.189853

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	5.267767702
2	10	14	5.349256103
2	10	15	5.405621299
2	10	16	5.379466995
2	10	17	5.355179395
2	10	18	5.293716326
2	10	19	5.160218998
2	10	20	4.95036716
2	10	21	4.63411276
2	10	22	4.622231916
2	10	23	4.622231916
2	10	24	4.622231916
2	11	1	4.519425082
2	11	2	4.519425082
2	11	3	4.519425082
2	11	4	4.519425082
2	11	5	4.519425082
2	11	6	4.519425082
2	11	7	4.519425082
2	11	8	4.519425082
2	11	9	4.519425082
2	11	10	4.651918405
2	11	11	4.888112901
2	11	12	5.063912387
2	11	13	5.151058757
2	11	14	5.230602361
2	11	15	5.285618292
2	11	16	5.260090242
2	11	17	5.236383096
2	11	18	5.176386543
2	11	19	5.046074563
2	11	20	4.841229159
2	11	21	4.531418296
2	11	22	4.519425082
2	11	23	4.519425082
2	11	24	4.519425082
3	1	1	21.2507023
3	1	2	21.2507023
3	1	3	21.2507023
3	1	4	21.2507023
3	1	5	21.2507023
3	1	6	21.2507023
3	1	7	21.2507023
3	1	8	21.2507023
3	1	9	21.2507023
3	1	10	21.6286353
3	1	11	22.6049562
3	1	12	23.33150209
3	1	13	23.69173847
3	1	14	24.02051857
3	1	15	24.24796946
3	1	16	24.14239941
3	1	17	24.0444318
3	1	18	23.79643877

AECOM

CAR Travel Emission Rate Calculation: GHG (2017)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	0.1891
3	1	20	0.187916
3	1	21	0.186013
3	1	22	0.184827
3	1	23	0.184824
3	1	24	0.184824
3	7	1	0.0408
3	7	2	0.0408
3	7	3	0.0408
3	7	4	0.0408
3	7	5	0.0408
3	7	6	0.0408
3	7	7	0.0408
3	7	8	0.0408
3	7	9	0.040877
3	7	10	0.041391
3	7	11	0.041795
3	7	12	0.042095
3	7	13	0.042244
3	7	14	0.04238
3	7	15	0.042474
3	7	16	0.042431
3	7	17	0.04239
3	7	18	0.042288
3	7	19	0.042065
3	7	20	0.041715
3	7	21	0.041152
3	7	22	0.040801
3	7	23	0.0408
3	7	24	0.0408
3	8	1	0.036084
3	8	2	0.036084
3	8	3	0.036084
3	8	4	0.036084
3	8	5	0.036084
3	8	6	0.036084
3	8	7	0.036084
3	8	8	0.036084
3	8	9	0.036153
3	8	10	0.036613
3	8	11	0.036974
3	8	12	0.037243
3	8	13	0.037376
3	8	14	0.037498
3	8	15	0.037582
3	8	16	0.037543
3	8	17	0.037507
3	8	18	0.037415
3	8	19	0.037216
3	8	20	0.036902
3	8	21	0.036399
3	8	22	0.036085
3	8	23	0.036084
3	8	24	0.036084

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	23.25780225
3	1	20	22.41110939
3	1	21	21.2572631
3	1	22	21.2507023
3	1	23	21.2507023
3	1	24	21.2507023
3	7	1	5.95952124
3	7	2	5.95952124
3	7	3	5.95952124
3	7	4	5.95952124
3	7	5	5.95952124
3	7	6	5.95952124
3	7	7	5.95952124
3	7	8	5.95952124
3	7	9	5.95952124
3	7	10	6.142129261
3	7	11	6.468467957
3	7	12	6.711358977
3	7	13	6.831770221
3	7	14	6.941676213
3	7	15	7.017689701
3	7	16	6.982421924
3	7	17	6.949658705
3	7	18	6.866769522
3	7	19	6.686714593
3	7	20	6.403693813
3	7	21	5.974912901
3	7	22	5.95952124
3	7	23	5.95952124
3	7	24	5.95952124
3	8	1	5.483864441
3	8	2	5.483864441
3	8	3	5.483864441
3	8	4	5.483864441
3	8	5	5.483864441
3	8	6	5.483864441
3	8	7	5.483864441
3	8	8	5.483864441
3	8	9	5.483864441
3	8	10	5.648604978
3	8	11	5.945393283
3	8	12	6.166301148
3	8	13	6.275802302
3	8	14	6.375758082
3	8	15	6.444892238
3	8	16	6.41281467
3	8	17	6.383019392
3	8	18	6.307638332
3	8	19	6.143883669
3	8	20	5.886482521
3	8	21	5.497994452
3	8	22	5.483864441
3	8	23	5.483864441
3	8	24	5.483864441

AECOM

CAR Travel Emission Rate Calculation: GHG (2017)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	0.029572
3	10	2	0.029572
3	10	3	0.029572
3	10	4	0.029572
3	10	5	0.029572
3	10	6	0.029572
3	10	7	0.029572
3	10	8	0.029572
3	10	9	0.029629
3	10	10	0.03001
3	10	11	0.03031
3	10	12	0.030533
3	10	13	0.030644
3	10	14	0.030745
3	10	15	0.030815
3	10	16	0.030782
3	10	17	0.030752
3	10	18	0.030676
3	10	19	0.030511
3	10	20	0.030251
3	10	21	0.029833
3	10	22	0.029572
3	10	23	0.029572
3	10	24	0.029572
3	11	1	0.02742
3	11	2	0.02742
3	11	3	0.02742
3	11	4	0.02742
3	11	5	0.02742
3	11	6	0.02742
3	11	7	0.02742
3	11	8	0.02742
3	11	9	0.027473
3	11	10	0.02783
3	11	11	0.02811
3	11	12	0.028318
3	11	13	0.028421
3	11	14	0.028516
3	11	15	0.028581
3	11	16	0.028551
3	11	17	0.028522
3	11	18	0.028451
3	11	19	0.028297
3	11	20	0.028054
3	11	21	0.027664
3	11	22	0.02742
3	11	23	0.02742
3	11	24	0.02742

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	4.769835325
3	10	2	4.769835325
3	10	3	4.769835325
3	10	4	4.769835325
3	10	5	4.769835325
3	10	6	4.769835325
3	10	7	4.769835325
3	10	8	4.769835325
3	10	9	4.769835325
3	10	10	4.904153827
3	10	11	5.154512561
3	10	12	5.340859316
3	10	13	5.43323068
3	10	14	5.517551061
3	10	15	5.575870093
3	10	16	5.548807645
3	10	17	5.523680033
3	10	18	5.460085836
3	10	19	5.321950953
3	10	20	5.104822293
3	10	21	4.781114897
3	10	22	4.769835325
3	10	23	4.769835325
3	10	24	4.769835325
3	11	1	4.576013161
3	11	2	4.576013161
3	11	3	4.576013161
3	11	4	4.576013161
3	11	5	4.576013161
3	11	6	4.576013161
3	11	7	4.576013161
3	11	8	4.576013161
3	11	9	4.576013161
3	11	10	4.702721257
3	11	11	4.940553967
3	11	12	5.117562231
3	11	13	5.205308874
3	11	14	5.285407373
3	11	15	5.340804763
3	11	16	5.315102714
3	11	17	5.291227547
3	11	18	5.230816035
3	11	19	5.099596388
3	11	20	4.893340685
3	11	21	4.586716951
3	11	22	4.576013161
3	11	23	4.576013161
3	11	24	4.576013161

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	3	Oxides of Nitrogen (NOx)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	1.589452842
1	0	2	1.589452842
1	0	3	1.589452842
1	0	4	1.589452842
1	0	5	1.589452842
1	0	6	1.589452842
1	0	7	1.589452842
1	0	8	1.589452842
1	0	9	1.589452842
1	0	10	1.852369348
1	0	11	2.221729332
1	0	12	2.503917909
1	0	13	2.658922778
1	0	14	2.773580551
1	0	15	2.875782238
1	0	16	2.819373036
1	0	17	2.799644069
1	0	18	2.696229433
1	0	19	2.499662894
1	0	20	2.174810481
1	0	21	1.650128625
1	0	22	1.589452842
1	0	23	1.589452842
1	0	24	1.589452842
2	1	1	1.304642697
2	1	2	1.304642697
2	1	3	1.304642697
2	1	4	1.304642697
2	1	5	1.304642697
2	1	6	1.304642697
2	1	7	1.304642697
2	1	8	1.304642697
2	1	9	1.304642697
2	1	10	1.304642697
2	1	11	1.309157823
2	1	12	1.351301603
2	1	13	1.387005908
2	1	14	1.41091516
2	1	15	1.43921984
2	1	16	1.421541321
2	1	17	1.421753588
2	1	18	1.394992186
2	1	19	1.356061886
2	1	20	1.308530112
2	1	21	1.304642697
2	1	22	1.304642697
2	1	23	1.304642697
2	1	24	1.304642697
2	7	1	0.535506221
2	7	2	0.535506221
2	7	3	0.535506221
2	7	4	0.535506221
2	7	5	0.535506221
2	7	6	0.535506221

PollutantID	20	Benzene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.043751
1	0	2	0.043751
1	0	3	0.043751
1	0	4	0.043751
1	0	5	0.043751
1	0	6	0.043751
1	0	7	0.043751
1	0	8	0.043751
1	0	9	0.043785
1	0	10	0.044009
1	0	11	0.044186
1	0	12	0.044317
1	0	13	0.044382
1	0	14	0.044442
1	0	15	0.044483
1	0	16	0.044464
1	0	17	0.044446
1	0	18	0.044401
1	0	19	0.044304
1	0	20	0.044151
1	0	21	0.043905
1	0	22	0.043752
1	0	23	0.043751
1	0	24	0.043751
2	1	1	0.04299
2	1	2	0.042991
2	1	3	0.042982
2	1	4	0.042978
2	1	5	0.042986
2	1	6	0.043002
2	1	7	0.042989
2	1	8	0.042992
2	1	9	0.043061
2	1	10	0.043401
2	1	11	0.043682
2	1	12	0.043899
2	1	13	0.044012
2	1	14	0.044128
2	1	15	0.044211
2	1	16	0.044192
2	1	17	0.044161
2	1	18	0.044073
2	1	19	0.043904
2	1	20	0.043654
2	1	21	0.043267
2	1	22	0.04303
2	1	23	0.043008
2	1	24	0.043
2	7	1	0.007302
2	7	2	0.007302
2	7	3	0.007301
2	7	4	0.007301
2	7	5	0.007302
2	7	6	0.007303

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	3	Oxides of Nitrogen (NOx)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	0.535506221
2	7	8	0.535506221
2	7	9	0.535506221
2	7	10	0.535506221
2	7	11	0.535506221
2	7	12	0.535506221
2	7	13	0.535506221
2	7	14	0.535506221
2	7	15	0.535506221
2	7	16	0.535506221
2	7	17	0.535506221
2	7	18	0.535506221
2	7	19	0.535506221
2	7	20	0.535506221
2	7	21	0.535506221
2	7	22	0.535506221
2	7	23	0.535506221
2	7	24	0.535506221
2	8	1	0.556207493
2	8	2	0.556207493
2	8	3	0.556207493
2	8	4	0.556207493
2	8	5	0.556207493
2	8	6	0.556207493
2	8	7	0.556207493
2	8	8	0.556207493
2	8	9	0.556207493
2	8	10	0.556207493
2	8	11	0.556207493
2	8	12	0.556207493
2	8	13	0.556207493
2	8	14	0.556207493
2	8	15	0.556207493
2	8	16	0.556207493
2	8	17	0.556207493
2	8	18	0.556207493
2	8	19	0.556207493
2	8	20	0.556207493
2	8	21	0.556207493
2	8	22	0.556207493
2	8	23	0.556207493
2	8	24	0.556207493
2	10	1	0.587525689
2	10	2	0.587525689
2	10	3	0.587526171
2	10	4	0.587525689
2	10	5	0.587525689
2	10	6	0.587525689
2	10	7	0.587525689
2	10	8	0.587525689
2	10	9	0.587525689
2	10	10	0.587525689
2	10	11	0.587525689
2	10	12	0.587525689

PollutantID	20	Benzene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	0.007302
2	7	8	0.007302
2	7	9	0.007315
2	7	10	0.007395
2	7	11	0.007458
2	7	12	0.007506
2	7	13	0.00753
2	7	14	0.007553
2	7	15	0.00757
2	7	16	0.007564
2	7	17	0.007557
2	7	18	0.007539
2	7	19	0.007503
2	7	20	0.007448
2	7	21	0.00736
2	7	22	0.007305
2	7	23	0.007303
2	7	24	0.007303
2	8	1	0.006585
2	8	2	0.006585
2	8	3	0.006584
2	8	4	0.006584
2	8	5	0.006584
2	8	6	0.006586
2	8	7	0.006585
2	8	8	0.006585
2	8	9	0.006597
2	8	10	0.006668
2	8	11	0.006726
2	8	12	0.006769
2	8	13	0.006791
2	8	14	0.006811
2	8	15	0.006826
2	8	16	0.006821
2	8	17	0.006815
2	8	18	0.006799
2	8	19	0.006766
2	8	20	0.006716
2	8	21	0.006637
2	8	22	0.006588
2	8	23	0.006586
2	8	24	0.006585
2	10	1	0.00561
2	10	2	0.00561
2	10	3	0.005609
2	10	4	0.005609
2	10	5	0.00561
2	10	6	0.00561
2	10	7	0.00561
2	10	8	0.00561
2	10	9	0.00562
2	10	10	0.005681
2	10	11	0.00573
2	10	12	0.005767

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	3	Oxides of Nitrogen (NOx)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	0.587526171
2	10	14	0.587525689
2	10	15	0.587525689
2	10	16	0.587525689
2	10	17	0.587525689
2	10	18	0.587525689
2	10	19	0.587526171
2	10	20	0.587525689
2	10	21	0.587525689
2	10	22	0.587525689
2	10	23	0.587526171
2	10	24	0.587525689
2	11	1	0.589097166
2	11	2	0.589097166
2	11	3	0.589097166
2	11	4	0.589097166
2	11	5	0.589097166
2	11	6	0.589097166
2	11	7	0.589097166
2	11	8	0.589097166
2	11	9	0.589097166
2	11	10	0.589097166
2	11	11	0.589097166
2	11	12	0.589097166
2	11	13	0.589097166
2	11	14	0.589097166
2	11	15	0.589097166
2	11	16	0.589097166
2	11	17	0.589097166
2	11	18	0.589097166
2	11	19	0.589097166
2	11	20	0.589097166
2	11	21	0.589097166
2	11	22	0.589097166
2	11	23	0.589097166
2	11	24	0.589097166
3	1	1	1.304642697
3	1	2	1.304642697
3	1	3	1.304642697
3	1	4	1.304642697
3	1	5	1.304642697
3	1	6	1.304642697
3	1	7	1.304642697
3	1	8	1.304642697
3	1	9	1.304642697
3	1	10	1.304642697
3	1	11	1.309157823
3	1	12	1.351301603
3	1	13	1.387005908
3	1	14	1.41091516
3	1	15	1.43921984
3	1	16	1.421541321
3	1	17	1.421753588
3	1	18	1.394992186

PollutantID	20	Benzene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	0.005785
2	10	14	0.005803
2	10	15	0.005815
2	10	16	0.005811
2	10	17	0.005806
2	10	18	0.005792
2	10	19	0.005765
2	10	20	0.005722
2	10	21	0.005654
2	10	22	0.005612
2	10	23	0.005611
2	10	24	0.00561
2	11	1	0.005286
2	11	2	0.005286
2	11	3	0.005286
2	11	4	0.005286
2	11	5	0.005286
2	11	6	0.005287
2	11	7	0.005286
2	11	8	0.005286
2	11	9	0.005296
2	11	10	0.005354
2	11	11	0.0054
2	11	12	0.005435
2	11	13	0.005453
2	11	14	0.005469
2	11	15	0.005481
2	11	16	0.005476
2	11	17	0.005472
2	11	18	0.005459
2	11	19	0.005433
2	11	20	0.005392
2	11	21	0.005328
2	11	22	0.005288
2	11	23	0.005287
2	11	24	0.005287
3	1	1	0.04299
3	1	2	0.042991
3	1	3	0.042982
3	1	4	0.042978
3	1	5	0.042986
3	1	6	0.043002
3	1	7	0.042989
3	1	8	0.042992
3	1	9	0.043061
3	1	10	0.043401
3	1	11	0.043682
3	1	12	0.043899
3	1	13	0.044012
3	1	14	0.044128
3	1	15	0.044211
3	1	16	0.044192
3	1	17	0.044161
3	1	18	0.044073

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	3	Oxides of Nitrogen (NOx)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	1.356061886
3	1	20	1.308530112
3	1	21	1.304642697
3	1	22	1.304642697
3	1	23	1.304642697
3	1	24	1.304642697
3	7	1	0.592985526
3	7	2	0.592985526
3	7	3	0.592985526
3	7	4	0.592985526
3	7	5	0.592985526
3	7	6	0.592985526
3	7	7	0.592985526
3	7	8	0.592985526
3	7	9	0.592985526
3	7	10	0.592985526
3	7	11	0.592985526
3	7	12	0.592985526
3	7	13	0.592985526
3	7	14	0.592985526
3	7	15	0.592985526
3	7	16	0.592985526
3	7	17	0.592985526
3	7	18	0.592985526
3	7	19	0.592985526
3	7	20	0.592985526
3	7	21	0.592985526
3	7	22	0.592985526
3	7	23	0.592985526
3	7	24	0.592985526
3	8	1	0.587672267
3	8	2	0.587672267
3	8	3	0.587672267
3	8	4	0.587672267
3	8	5	0.587672267
3	8	6	0.587671839
3	8	7	0.587672267
3	8	8	0.587672267
3	8	9	0.587672267
3	8	10	0.587672267
3	8	11	0.587672267
3	8	12	0.587672267
3	8	13	0.587672267
3	8	14	0.587672267
3	8	15	0.587672267
3	8	16	0.587672267
3	8	17	0.587672267
3	8	18	0.587672267
3	8	19	0.587672267
3	8	20	0.587672267
3	8	21	0.587672267
3	8	22	0.587672267
3	8	23	0.587671839
3	8	24	0.587672267

PollutantID	20	Benzene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	0.043904
3	1	20	0.043654
3	1	21	0.043267
3	1	22	0.04303
3	1	23	0.043008
3	1	24	0.043
3	7	1	0.008049
3	7	2	0.008049
3	7	3	0.008048
3	7	4	0.008048
3	7	5	0.008049
3	7	6	0.00805
3	7	7	0.008049
3	7	8	0.008049
3	7	9	0.008064
3	7	10	0.008151
3	7	11	0.008221
3	7	12	0.008274
3	7	13	0.008301
3	7	14	0.008326
3	7	15	0.008344
3	7	16	0.008337
3	7	17	0.00833
3	7	18	0.008311
3	7	19	0.008271
3	7	20	0.00821
3	7	21	0.008113
3	7	22	0.008052
3	7	23	0.008051
3	7	24	0.00805
3	8	1	0.007106
3	8	2	0.007106
3	8	3	0.007105
3	8	4	0.007105
3	8	5	0.007106
3	8	6	0.007107
3	8	7	0.007106
3	8	8	0.007106
3	8	9	0.007119
3	8	10	0.007197
3	8	11	0.007259
3	8	12	0.007305
3	8	13	0.007329
3	8	14	0.007351
3	8	15	0.007367
3	8	16	0.007361
3	8	17	0.007355
3	8	18	0.007338
3	8	19	0.007303
3	8	20	0.007248
3	8	21	0.007162
3	8	22	0.007109
3	8	23	0.007107
3	8	24	0.007107

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	3	Oxides of Nitrogen (NOx)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	0.596521659
3	10	2	0.596521659
3	10	3	0.596521659
3	10	4	0.596521659
3	10	5	0.596521659
3	10	6	0.596521659
3	10	7	0.596521659
3	10	8	0.596521659
3	10	9	0.596521659
3	10	10	0.596521659
3	10	11	0.596521659
3	10	12	0.596521659
3	10	13	0.596521659
3	10	14	0.596521659
3	10	15	0.596521659
3	10	16	0.596521659
3	10	17	0.596521659
3	10	18	0.596521659
3	10	19	0.596521659
3	10	20	0.596521659
3	10	21	0.596521659
3	10	22	0.596521659
3	10	23	0.596521659
3	10	24	0.596521659
3	11	1	0.600621778
3	11	2	0.600621778
3	11	3	0.600621778
3	11	4	0.600621778
3	11	5	0.600621778
3	11	6	0.600621778
3	11	7	0.600621778
3	11	8	0.600621778
3	11	9	0.600621778
3	11	10	0.600621778
3	11	11	0.600621778
3	11	12	0.600621778
3	11	13	0.600621778
3	11	14	0.600621778
3	11	15	0.600621778
3	11	16	0.600621778
3	11	17	0.600621778
3	11	18	0.600621778
3	11	19	0.600621778
3	11	20	0.600621778
3	11	21	0.600621778
3	11	22	0.600621778
3	11	23	0.600621778
3	11	24	0.600621778

PollutantID	20	Benzene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	0.005807
3	10	2	0.005807
3	10	3	0.005807
3	10	4	0.005807
3	10	5	0.005807
3	10	6	0.005808
3	10	7	0.005807
3	10	8	0.005808
3	10	9	0.005818
3	10	10	0.005881
3	10	11	0.005932
3	10	12	0.00597
3	10	13	0.005989
3	10	14	0.006007
3	10	15	0.00602
3	10	16	0.006015
3	10	17	0.00601
3	10	18	0.005996
3	10	19	0.005967
3	10	20	0.005923
3	10	21	0.005853
3	10	22	0.00581
3	10	23	0.005808
3	10	24	0.005808
3	11	1	0.005374
3	11	2	0.005374
3	11	3	0.005374
3	11	4	0.005374
3	11	5	0.005374
3	11	6	0.005375
3	11	7	0.005374
3	11	8	0.005374
3	11	9	0.005384
3	11	10	0.005442
3	11	11	0.005489
3	11	12	0.005524
3	11	13	0.005542
3	11	14	0.005559
3	11	15	0.00557
3	11	16	0.005566
3	11	17	0.005561
3	11	18	0.005548
3	11	19	0.005522
3	11	20	0.005481
3	11	21	0.005416
3	11	22	0.005376
3	11	23	0.005375
3	11	24	0.005375

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	24	1,3-Butadiene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.005259
1	0	2	0.005259
1	0	3	0.005259
1	0	4	0.005259
1	0	5	0.005259
1	0	6	0.005259
1	0	7	0.005259
1	0	8	0.005259
1	0	9	0.005263
1	0	10	0.005288
1	0	11	0.005308
1	0	12	0.005323
1	0	13	0.00533
1	0	14	0.005337
1	0	15	0.005341
1	0	16	0.005339
1	0	17	0.005337
1	0	18	0.005332
1	0	19	0.005321
1	0	20	0.005304
1	0	21	0.005276
1	0	22	0.005259
1	0	23	0.005259
1	0	24	0.005259
2	1	1	0.003119
2	1	2	0.003119
2	1	3	0.003119
2	1	4	0.003119
2	1	5	0.003119
2	1	6	0.003119
2	1	7	0.003119
2	1	8	0.003119
2	1	9	0.003124
2	1	10	0.003155
2	1	11	0.003179
2	1	12	0.003198
2	1	13	0.003207
2	1	14	0.003215
2	1	15	0.003221
2	1	16	0.003218
2	1	17	0.003215
2	1	18	0.003209
2	1	19	0.003196
2	1	20	0.003175
2	1	21	0.003141
2	1	22	0.003119
2	1	23	0.003119
2	1	24	0.003119
2	7	1	0.000563
2	7	2	0.000563
2	7	3	0.000563
2	7	4	0.000563
2	7	5	0.000563
2	7	6	0.000563

PollutantID	25	Formaldehyde	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.02759
1	0	2	0.02759
1	0	3	0.02759
1	0	4	0.02759
1	0	5	0.02759
1	0	6	0.02759
1	0	7	0.02759
1	0	8	0.02759
1	0	9	0.027613
1	0	10	0.027764
1	0	11	0.027883
1	0	12	0.027971
1	0	13	0.028015
1	0	14	0.028055
1	0	15	0.028082
1	0	16	0.028069
1	0	17	0.028058
1	0	18	0.028027
1	0	19	0.027962
1	0	20	0.027859
1	0	21	0.027694
1	0	22	0.02759
1	0	23	0.02759
1	0	24	0.02759
2	1	1	0.019052
2	1	2	0.019052
2	1	3	0.019052
2	1	4	0.019052
2	1	5	0.019052
2	1	6	0.019052
2	1	7	0.019052
2	1	8	0.019052
2	1	9	0.01908
2	1	10	0.019263
2	1	11	0.019406
2	1	12	0.019513
2	1	13	0.019566
2	1	14	0.019614
2	1	15	0.019648
2	1	16	0.019632
2	1	17	0.019618
2	1	18	0.019581
2	1	19	0.019502
2	1	20	0.019378
2	1	21	0.019177
2	1	22	0.019053
2	1	23	0.019052
2	1	24	0.019052
2	7	1	0.00306
2	7	2	0.00306
2	7	3	0.00306
2	7	4	0.00306
2	7	5	0.00306
2	7	6	0.00306

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	24	1,3-Butadiene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	0.000563
2	7	8	0.000563
2	7	9	0.000564
2	7	10	0.000571
2	7	11	0.000577
2	7	12	0.000581
2	7	13	0.000583
2	7	14	0.000585
2	7	15	0.000587
2	7	16	0.000586
2	7	17	0.000586
2	7	18	0.000584
2	7	19	0.000581
2	7	20	0.000576
2	7	21	0.000568
2	7	22	0.000563
2	7	23	0.000563
2	7	24	0.000563
2	8	1	0.000507
2	8	2	0.000507
2	8	3	0.000507
2	8	4	0.000507
2	8	5	0.000507
2	8	6	0.000507
2	8	7	0.000507
2	8	8	0.000507
2	8	9	0.000508
2	8	10	0.000515
2	8	11	0.00052
2	8	12	0.000524
2	8	13	0.000526
2	8	14	0.000527
2	8	15	0.000529
2	8	16	0.000528
2	8	17	0.000527
2	8	18	0.000526
2	8	19	0.000523
2	8	20	0.000519
2	8	21	0.000512
2	8	22	0.000507
2	8	23	0.000507
2	8	24	0.000507
2	10	1	0.00043
2	10	2	0.00043
2	10	3	0.00043
2	10	4	0.00043
2	10	5	0.00043
2	10	6	0.00043
2	10	7	0.00043
2	10	8	0.00043
2	10	9	0.000431
2	10	10	0.000437
2	10	11	0.000441
2	10	12	0.000445

PollutantID	25	Formaldehyde	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	0.00306
2	7	8	0.00306
2	7	9	0.003066
2	7	10	0.003103
2	7	11	0.003133
2	7	12	0.003155
2	7	13	0.003166
2	7	14	0.003176
2	7	15	0.003183
2	7	16	0.00318
2	7	17	0.003177
2	7	18	0.003169
2	7	19	0.003153
2	7	20	0.003127
2	7	21	0.003086
2	7	22	0.00306
2	7	23	0.00306
2	7	24	0.00306
2	8	1	0.002766
2	8	2	0.002766
2	8	3	0.002766
2	8	4	0.002766
2	8	5	0.002766
2	8	6	0.002766
2	8	7	0.002766
2	8	8	0.002766
2	8	9	0.002772
2	8	10	0.002806
2	8	11	0.002833
2	8	12	0.002853
2	8	13	0.002863
2	8	14	0.002872
2	8	15	0.002878
2	8	16	0.002875
2	8	17	0.002872
2	8	18	0.002866
2	8	19	0.002851
2	8	20	0.002827
2	8	21	0.00279
2	8	22	0.002766
2	8	23	0.002766
2	8	24	0.002766
2	10	1	0.002369
2	10	2	0.002369
2	10	3	0.002369
2	10	4	0.002369
2	10	5	0.002369
2	10	6	0.002369
2	10	7	0.002369
2	10	8	0.002369
2	10	9	0.002374
2	10	10	0.002403
2	10	11	0.002427
2	10	12	0.002444

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	24	1,3-Butadiene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	0.000446
2	10	14	0.000448
2	10	15	0.000449
2	10	16	0.000448
2	10	17	0.000448
2	10	18	0.000447
2	10	19	0.000444
2	10	20	0.00044
2	10	21	0.000434
2	10	22	0.00043
2	10	23	0.00043
2	10	24	0.00043
2	11	1	0.000404
2	11	2	0.000404
2	11	3	0.000404
2	11	4	0.000404
2	11	5	0.000404
2	11	6	0.000404
2	11	7	0.000404
2	11	8	0.000404
2	11	9	0.000405
2	11	10	0.00041
2	11	11	0.000414
2	11	12	0.000418
2	11	13	0.000419
2	11	14	0.000421
2	11	15	0.000422
2	11	16	0.000421
2	11	17	0.000421
2	11	18	0.00042
2	11	19	0.000417
2	11	20	0.000414
2	11	21	0.000408
2	11	22	0.000404
2	11	23	0.000404
2	11	24	0.000404
3	1	1	0.003119
3	1	2	0.003119
3	1	3	0.003119
3	1	4	0.003119
3	1	5	0.003119
3	1	6	0.003119
3	1	7	0.003119
3	1	8	0.003119
3	1	9	0.003124
3	1	10	0.003155
3	1	11	0.003179
3	1	12	0.003198
3	1	13	0.003207
3	1	14	0.003215
3	1	15	0.003221
3	1	16	0.003218
3	1	17	0.003215
3	1	18	0.003209

PollutantID	25	Formaldehyde	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	0.002453
2	10	14	0.00246
2	10	15	0.002466
2	10	16	0.002463
2	10	17	0.002461
2	10	18	0.002455
2	10	19	0.002442
2	10	20	0.002422
2	10	21	0.00239
2	10	22	0.002369
2	10	23	0.002369
2	10	24	0.002369
2	11	1	0.002229
2	11	2	0.002229
2	11	3	0.002229
2	11	4	0.002229
2	11	5	0.002229
2	11	6	0.002229
2	11	7	0.002229
2	11	8	0.002229
2	11	9	0.002233
2	11	10	0.002262
2	11	11	0.002284
2	11	12	0.0023
2	11	13	0.002308
2	11	14	0.002316
2	11	15	0.002321
2	11	16	0.002319
2	11	17	0.002316
2	11	18	0.002311
2	11	19	0.002298
2	11	20	0.002279
2	11	21	0.002248
2	11	22	0.002229
2	11	23	0.002229
2	11	24	0.002229
3	1	1	0.019052
3	1	2	0.019052
3	1	3	0.019052
3	1	4	0.019052
3	1	5	0.019052
3	1	6	0.019052
3	1	7	0.019052
3	1	8	0.019052
3	1	9	0.01908
3	1	10	0.019263
3	1	11	0.019406
3	1	12	0.019513
3	1	13	0.019566
3	1	14	0.019614
3	1	15	0.019648
3	1	16	0.019632
3	1	17	0.019618
3	1	18	0.019581

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	24	1,3-Butadiene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	0.003196
3	1	20	0.003175
3	1	21	0.003141
3	1	22	0.003119
3	1	23	0.003119
3	1	24	0.003119
3	7	1	0.000635
3	7	2	0.000635
3	7	3	0.000635
3	7	4	0.000635
3	7	5	0.000635
3	7	6	0.000635
3	7	7	0.000635
3	7	8	0.000635
3	7	9	0.000636
3	7	10	0.000644
3	7	11	0.00065
3	7	12	0.000655
3	7	13	0.000657
3	7	14	0.000659
3	7	15	0.000661
3	7	16	0.00066
3	7	17	0.000659
3	7	18	0.000658
3	7	19	0.000654
3	7	20	0.000649
3	7	21	0.00064
3	7	22	0.000635
3	7	23	0.000635
3	7	24	0.000635
3	8	1	0.000558
3	8	2	0.000558
3	8	3	0.000558
3	8	4	0.000558
3	8	5	0.000558
3	8	6	0.000558
3	8	7	0.000558
3	8	8	0.000558
3	8	9	0.000559
3	8	10	0.000566
3	8	11	0.000571
3	8	12	0.000576
3	8	13	0.000578
3	8	14	0.00058
3	8	15	0.000581
3	8	16	0.00058
3	8	17	0.00058
3	8	18	0.000578
3	8	19	0.000575
3	8	20	0.00057
3	8	21	0.000563
3	8	22	0.000558
3	8	23	0.000558
3	8	24	0.000558

PollutantID	25	Formaldehyde	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	0.019502
3	1	20	0.019378
3	1	21	0.019177
3	1	22	0.019053
3	1	23	0.019052
3	1	24	0.019052
3	7	1	0.003301
3	7	2	0.003301
3	7	3	0.003301
3	7	4	0.003301
3	7	5	0.003301
3	7	6	0.003301
3	7	7	0.003301
3	7	8	0.003301
3	7	9	0.003307
3	7	10	0.003346
3	7	11	0.003377
3	7	12	0.003401
3	7	13	0.003412
3	7	14	0.003422
3	7	15	0.00343
3	7	16	0.003426
3	7	17	0.003423
3	7	18	0.003415
3	7	19	0.003398
3	7	20	0.003371
3	7	21	0.003328
3	7	22	0.003301
3	7	23	0.003301
3	7	24	0.003301
3	8	1	0.002932
3	8	2	0.002932
3	8	3	0.002932
3	8	4	0.002932
3	8	5	0.002932
3	8	6	0.002932
3	8	7	0.002932
3	8	8	0.002932
3	8	9	0.002938
3	8	10	0.002973
3	8	11	0.003001
3	8	12	0.003022
3	8	13	0.003032
3	8	14	0.003042
3	8	15	0.003048
3	8	16	0.003045
3	8	17	0.003042
3	8	18	0.003035
3	8	19	0.00302
3	8	20	0.002996
3	8	21	0.002957
3	8	22	0.002932
3	8	23	0.002932
3	8	24	0.002932

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	24	1,3-Butadiene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	0.000451
3	10	2	0.000451
3	10	3	0.000451
3	10	4	0.000451
3	10	5	0.000451
3	10	6	0.000451
3	10	7	0.000451
3	10	8	0.000451
3	10	9	0.000451
3	10	10	0.000457
3	10	11	0.000462
3	10	12	0.000466
3	10	13	0.000467
3	10	14	0.000469
3	10	15	0.00047
3	10	16	0.000469
3	10	17	0.000469
3	10	18	0.000468
3	10	19	0.000465
3	10	20	0.000461
3	10	21	0.000455
3	10	22	0.000451
3	10	23	0.000451
3	10	24	0.000451
3	11	1	0.000415
3	11	2	0.000415
3	11	3	0.000415
3	11	4	0.000415
3	11	5	0.000415
3	11	6	0.000415
3	11	7	0.000415
3	11	8	0.000415
3	11	9	0.000415
3	11	10	0.000421
3	11	11	0.000425
3	11	12	0.000429
3	11	13	0.00043
3	11	14	0.000432
3	11	15	0.000433
3	11	16	0.000432
3	11	17	0.000432
3	11	18	0.000431
3	11	19	0.000428
3	11	20	0.000424
3	11	21	0.000418
3	11	22	0.000415
3	11	23	0.000415
3	11	24	0.000415

PollutantID	25	Formaldehyde	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	0.002429
3	10	2	0.002429
3	10	3	0.002429
3	10	4	0.002429
3	10	5	0.002429
3	10	6	0.002429
3	10	7	0.002429
3	10	8	0.002429
3	10	9	0.002433
3	10	10	0.002463
3	10	11	0.002487
3	10	12	0.002504
3	10	13	0.002513
3	10	14	0.002521
3	10	15	0.002526
3	10	16	0.002524
3	10	17	0.002521
3	10	18	0.002515
3	10	19	0.002502
3	10	20	0.002482
3	10	21	0.002449
3	10	22	0.002429
3	10	23	0.002429
3	10	24	0.002429
3	11	1	0.002258
3	11	2	0.002258
3	11	3	0.002258
3	11	4	0.002258
3	11	5	0.002258
3	11	6	0.002258
3	11	7	0.002258
3	11	8	0.002258
3	11	9	0.002263
3	11	10	0.002291
3	11	11	0.002313
3	11	12	0.002329
3	11	13	0.002337
3	11	14	0.002345
3	11	15	0.00235
3	11	16	0.002347
3	11	17	0.002345
3	11	18	0.002339
3	11	19	0.002327
3	11	20	0.002308
3	11	21	0.002277
3	11	22	0.002258
3	11	23	0.002258
3	11	24	0.002258

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	26	Acetaldehyde	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.018327
1	0	2	0.018327
1	0	3	0.018327
1	0	4	0.018327
1	0	5	0.018327
1	0	6	0.018327
1	0	7	0.018327
1	0	8	0.018327
1	0	9	0.018327
1	0	10	0.018327
1	0	11	0.018327
1	0	12	0.018327
1	0	13	0.018327
1	0	14	0.018327
1	0	15	0.018327
1	0	16	0.018327
1	0	17	0.018327
1	0	18	0.018327
1	0	19	0.018327
1	0	20	0.018327
1	0	21	0.018327
1	0	22	0.018327
1	0	23	0.018327
1	0	24	0.018327
2	1	1	0.012035
2	1	2	0.012035
2	1	3	0.012035
2	1	4	0.012035
2	1	5	0.012035
2	1	6	0.012035
2	1	7	0.012035
2	1	8	0.012035
2	1	9	0.012035
2	1	10	0.012035
2	1	11	0.012035
2	1	12	0.012036
2	1	13	0.012039
2	1	14	0.012043
2	1	15	0.012045
2	1	16	0.012044
2	1	17	0.012043
2	1	18	0.01204
2	1	19	0.012035
2	1	20	0.012035
2	1	21	0.012035
2	1	22	0.012035
2	1	23	0.012035
2	1	24	0.012035
2	7	1	0.002018
2	7	2	0.002018
2	7	3	0.002018
2	7	4	0.002018
2	7	5	0.002018
2	7	6	0.002018

PollutantID	27	Acrolein	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.001794
1	0	2	0.001794
1	0	3	0.001794
1	0	4	0.001794
1	0	5	0.001794
1	0	6	0.001794
1	0	7	0.001794
1	0	8	0.001794
1	0	9	0.001796
1	0	10	0.001806
1	0	11	0.001813
1	0	12	0.001819
1	0	13	0.001822
1	0	14	0.001825
1	0	15	0.001827
1	0	16	0.001826
1	0	17	0.001825
1	0	18	0.001823
1	0	19	0.001819
1	0	20	0.001812
1	0	21	0.001801
1	0	22	0.001794
1	0	23	0.001794
1	0	24	0.001794
2	1	1	0.001159
2	1	2	0.001159
2	1	3	0.001159
2	1	4	0.001159
2	1	5	0.001159
2	1	6	0.001159
2	1	7	0.001159
2	1	8	0.001159
2	1	9	0.00116
2	1	10	0.001172
2	1	11	0.001181
2	1	12	0.001188
2	1	13	0.001192
2	1	14	0.001195
2	1	15	0.001197
2	1	16	0.001196
2	1	17	0.001195
2	1	18	0.001193
2	1	19	0.001188
2	1	20	0.00118
2	1	21	0.001167
2	1	22	0.001159
2	1	23	0.001159
2	1	24	0.001159
2	7	1	0.000177
2	7	2	0.000177
2	7	3	0.000177
2	7	4	0.000177
2	7	5	0.000177
2	7	6	0.000177

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	26	Acetaldehyde	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	0.002018
2	7	8	0.002018
2	7	9	0.002018
2	7	10	0.002018
2	7	11	0.002018
2	7	12	0.002019
2	7	13	0.00202
2	7	14	0.00202
2	7	15	0.002021
2	7	16	0.00202
2	7	17	0.00202
2	7	18	0.00202
2	7	19	0.002019
2	7	20	0.002018
2	7	21	0.002018
2	7	22	0.002018
2	7	23	0.002018
2	7	24	0.002018
2	8	1	0.001822
2	8	2	0.001822
2	8	3	0.001822
2	8	4	0.001822
2	8	5	0.001822
2	8	6	0.001822
2	8	7	0.001822
2	8	8	0.001822
2	8	9	0.001822
2	8	10	0.001822
2	8	11	0.001822
2	8	12	0.001822
2	8	13	0.001823
2	8	14	0.001824
2	8	15	0.001824
2	8	16	0.001824
2	8	17	0.001824
2	8	18	0.001823
2	8	19	0.001822
2	8	20	0.001822
2	8	21	0.001822
2	8	22	0.001822
2	8	23	0.001822
2	8	24	0.001822
2	10	1	0.001555
2	10	2	0.001555
2	10	3	0.001555
2	10	4	0.001555
2	10	5	0.001555
2	10	6	0.001555
2	10	7	0.001555
2	10	8	0.001555
2	10	9	0.001555
2	10	10	0.001555
2	10	11	0.001555
2	10	12	0.001555

PollutantID	27	Acrolein	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	0.000177
2	7	8	0.000177
2	7	9	0.000178
2	7	10	0.00018
2	7	11	0.000182
2	7	12	0.000183
2	7	13	0.000184
2	7	14	0.000184
2	7	15	0.000185
2	7	16	0.000184
2	7	17	0.000184
2	7	18	0.000184
2	7	19	0.000183
2	7	20	0.000181
2	7	21	0.000179
2	7	22	0.000177
2	7	23	0.000177
2	7	24	0.000177
2	8	1	0.00016
2	8	2	0.00016
2	8	3	0.00016
2	8	4	0.00016
2	8	5	0.00016
2	8	6	0.00016
2	8	7	0.00016
2	8	8	0.00016
2	8	9	0.00016
2	8	10	0.000163
2	8	11	0.000164
2	8	12	0.000165
2	8	13	0.000166
2	8	14	0.000167
2	8	15	0.000167
2	8	16	0.000167
2	8	17	0.000167
2	8	18	0.000166
2	8	19	0.000165
2	8	20	0.000164
2	8	21	0.000162
2	8	22	0.00016
2	8	23	0.00016
2	8	24	0.00016
2	10	1	0.000137
2	10	2	0.000137
2	10	3	0.000137
2	10	4	0.000137
2	10	5	0.000137
2	10	6	0.000137
2	10	7	0.000137
2	10	8	0.000137
2	10	9	0.000138
2	10	10	0.000139
2	10	11	0.000141
2	10	12	0.000142

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	26	Acetaldehyde	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	0.001556
2	10	14	0.001556
2	10	15	0.001557
2	10	16	0.001556
2	10	17	0.001556
2	10	18	0.001556
2	10	19	0.001555
2	10	20	0.001555
2	10	21	0.001555
2	10	22	0.001555
2	10	23	0.001555
2	10	24	0.001555
2	11	1	0.001462
2	11	2	0.001462
2	11	3	0.001462
2	11	4	0.001462
2	11	5	0.001462
2	11	6	0.001462
2	11	7	0.001462
2	11	8	0.001462
2	11	9	0.001462
2	11	10	0.001462
2	11	11	0.001462
2	11	12	0.001462
2	11	13	0.001463
2	11	14	0.001463
2	11	15	0.001463
2	11	16	0.001463
2	11	17	0.001463
2	11	18	0.001463
2	11	19	0.001462
2	11	20	0.001462
2	11	21	0.001462
2	11	22	0.001462
2	11	23	0.001462
2	11	24	0.001462
3	1	1	0.012035
3	1	2	0.012035
3	1	3	0.012035
3	1	4	0.012035
3	1	5	0.012035
3	1	6	0.012035
3	1	7	0.012035
3	1	8	0.012035
3	1	9	0.012035
3	1	10	0.012035
3	1	11	0.012035
3	1	12	0.012036
3	1	13	0.012039
3	1	14	0.012043
3	1	15	0.012045
3	1	16	0.012044
3	1	17	0.012043
3	1	18	0.01204

PollutantID	27	Acrolein	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	0.000142
2	10	14	0.000143
2	10	15	0.000143
2	10	16	0.000143
2	10	17	0.000143
2	10	18	0.000142
2	10	19	0.000142
2	10	20	0.00014
2	10	21	0.000139
2	10	22	0.000137
2	10	23	0.000137
2	10	24	0.000137
2	11	1	0.000129
2	11	2	0.000129
2	11	3	0.000129
2	11	4	0.000129
2	11	5	0.000129
2	11	6	0.000129
2	11	7	0.000129
2	11	8	0.000129
2	11	9	0.000129
2	11	10	0.000131
2	11	11	0.000132
2	11	12	0.000133
2	11	13	0.000134
2	11	14	0.000134
2	11	15	0.000135
2	11	16	0.000134
2	11	17	0.000134
2	11	18	0.000134
2	11	19	0.000133
2	11	20	0.000132
2	11	21	0.00013
2	11	22	0.000129
2	11	23	0.000129
2	11	24	0.000129
3	1	1	0.001159
3	1	2	0.001159
3	1	3	0.001159
3	1	4	0.001159
3	1	5	0.001159
3	1	6	0.001159
3	1	7	0.001159
3	1	8	0.001159
3	1	9	0.00116
3	1	10	0.001172
3	1	11	0.001181
3	1	12	0.001188
3	1	13	0.001192
3	1	14	0.001195
3	1	15	0.001197
3	1	16	0.001196
3	1	17	0.001195
3	1	18	0.001193

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	26	Acetaldehyde	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	0.012035
3	1	20	0.012035
3	1	21	0.012035
3	1	22	0.012035
3	1	23	0.012035
3	1	24	0.012035
3	7	1	0.002214
3	7	2	0.002214
3	7	3	0.002214
3	7	4	0.002214
3	7	5	0.002214
3	7	6	0.002214
3	7	7	0.002214
3	7	8	0.002214
3	7	9	0.002214
3	7	10	0.002214
3	7	11	0.002214
3	7	12	0.002214
3	7	13	0.002215
3	7	14	0.002216
3	7	15	0.002216
3	7	16	0.002216
3	7	17	0.002216
3	7	18	0.002215
3	7	19	0.002214
3	7	20	0.002214
3	7	21	0.002214
3	7	22	0.002214
3	7	23	0.002214
3	7	24	0.002214
3	8	1	0.001959
3	8	2	0.001959
3	8	3	0.001959
3	8	4	0.001959
3	8	5	0.001959
3	8	6	0.001959
3	8	7	0.001959
3	8	8	0.001959
3	8	9	0.001959
3	8	10	0.001959
3	8	11	0.001959
3	8	12	0.001959
3	8	13	0.001959
3	8	14	0.00196
3	8	15	0.00196
3	8	16	0.00196
3	8	17	0.00196
3	8	18	0.00196
3	8	19	0.001959
3	8	20	0.001959
3	8	21	0.001959
3	8	22	0.001959
3	8	23	0.001959
3	8	24	0.001959

PollutantID	27	Acrolein	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	0.001188
3	1	20	0.00118
3	1	21	0.001167
3	1	22	0.001159
3	1	23	0.001159
3	1	24	0.001159
3	7	1	0.000189
3	7	2	0.000189
3	7	3	0.000189
3	7	4	0.000189
3	7	5	0.000189
3	7	6	0.000189
3	7	7	0.000189
3	7	8	0.000189
3	7	9	0.000189
3	7	10	0.000191
3	7	11	0.000193
3	7	12	0.000194
3	7	13	0.000195
3	7	14	0.000196
3	7	15	0.000196
3	7	16	0.000196
3	7	17	0.000196
3	7	18	0.000195
3	7	19	0.000194
3	7	20	0.000193
3	7	21	0.00019
3	7	22	0.000189
3	7	23	0.000189
3	7	24	0.000189
3	8	1	0.000168
3	8	2	0.000168
3	8	3	0.000168
3	8	4	0.000168
3	8	5	0.000168
3	8	6	0.000168
3	8	7	0.000168
3	8	8	0.000168
3	8	9	0.000168
3	8	10	0.00017
3	8	11	0.000172
3	8	12	0.000173
3	8	13	0.000174
3	8	14	0.000174
3	8	15	0.000175
3	8	16	0.000175
3	8	17	0.000174
3	8	18	0.000174
3	8	19	0.000173
3	8	20	0.000172
3	8	21	0.000169
3	8	22	0.000168
3	8	23	0.000168
3	8	24	0.000168

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	26	Acetaldehyde	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	0.001607
3	10	2	0.001607
3	10	3	0.001607
3	10	4	0.001607
3	10	5	0.001607
3	10	6	0.001607
3	10	7	0.001607
3	10	8	0.001607
3	10	9	0.001607
3	10	10	0.001607
3	10	11	0.001607
3	10	12	0.001607
3	10	13	0.001608
3	10	14	0.001608
3	10	15	0.001608
3	10	16	0.001608
3	10	17	0.001608
3	10	18	0.001608
3	10	19	0.001607
3	10	20	0.001607
3	10	21	0.001607
3	10	22	0.001607
3	10	23	0.001607
3	10	24	0.001607
3	11	1	0.001488
3	11	2	0.001488
3	11	3	0.001488
3	11	4	0.001488
3	11	5	0.001488
3	11	6	0.001488
3	11	7	0.001488
3	11	8	0.001488
3	11	9	0.001488
3	11	10	0.001488
3	11	11	0.001488
3	11	12	0.001489
3	11	13	0.001489
3	11	14	0.001489
3	11	15	0.00149
3	11	16	0.00149
3	11	17	0.00149
3	11	18	0.001489
3	11	19	0.001489
3	11	20	0.001488
3	11	21	0.001488
3	11	22	0.001488
3	11	23	0.001488
3	11	24	0.001488

PollutantID	27	Acrolein	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	0.00014
3	10	2	0.00014
3	10	3	0.00014
3	10	4	0.00014
3	10	5	0.00014
3	10	6	0.00014
3	10	7	0.00014
3	10	8	0.00014
3	10	9	0.00014
3	10	10	0.000142
3	10	11	0.000143
3	10	12	0.000144
3	10	13	0.000145
3	10	14	0.000145
3	10	15	0.000146
3	10	16	0.000146
3	10	17	0.000145
3	10	18	0.000145
3	10	19	0.000144
3	10	20	0.000143
3	10	21	0.000141
3	10	22	0.00014
3	10	23	0.00014
3	10	24	0.00014
3	11	1	0.00013
3	11	2	0.00013
3	11	3	0.00013
3	11	4	0.00013
3	11	5	0.00013
3	11	6	0.00013
3	11	7	0.00013
3	11	8	0.00013
3	11	9	0.000131
3	11	10	0.000132
3	11	11	0.000134
3	11	12	0.000135
3	11	13	0.000135
3	11	14	0.000136
3	11	15	0.000136
3	11	16	0.000136
3	11	17	0.000136
3	11	18	0.000135
3	11	19	0.000135
3	11	20	0.000133
3	11	21	0.000132
3	11	22	0.00013
3	11	23	0.00013
3	11	24	0.00013

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	31	Sulfur Dioxide (SO2)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.09084354
1	0	2	0.09084354
1	0	3	0.09084354
1	0	4	0.09084354
1	0	5	0.09084354
1	0	6	0.09084354
1	0	7	0.09084354
1	0	8	0.09084354
1	0	9	0.09084354
1	0	10	0.09084354
1	0	11	0.09084354
1	0	12	0.09084354
1	0	13	0.09084354
1	0	14	0.09084354
1	0	15	0.09084354
1	0	16	0.09084354
1	0	17	0.09084354
1	0	18	0.09084354
1	0	19	0.09084354
1	0	20	0.09084354
1	0	21	0.09084354
1	0	22	0.09084354
1	0	23	0.09084354
1	0	24	0.09084354
2	1	1	0.05380216
2	1	2	0.05380216
2	1	3	0.05380216
2	1	4	0.05380216
2	1	5	0.05380216
2	1	6	0.05380216
2	1	7	0.05380216
2	1	8	0.05380216
2	1	9	0.05380216
2	1	10	0.05380216
2	1	11	0.05380216
2	1	12	0.05380216
2	1	13	0.05380216
2	1	14	0.05380216
2	1	15	0.05380216
2	1	16	0.05380216
2	1	17	0.05380216
2	1	18	0.05380216
2	1	19	0.05380216
2	1	20	0.05380216
2	1	21	0.05380216
2	1	22	0.05380216
2	1	23	0.05380216
2	1	24	0.05380216
2	7	1	0.01005761
2	7	2	0.01005761
2	7	3	0.01005761
2	7	4	0.01005761
2	7	5	0.01005761
2	7	6	0.01005761

PollutantID	974	Benzo(a)pyrene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	1.85E-05
1	0	2	1.85E-05
1	0	3	1.85E-05
1	0	4	1.85E-05
1	0	5	1.85E-05
1	0	6	1.85E-05
1	0	7	1.85E-05
1	0	8	1.85E-05
1	0	9	1.85E-05
1	0	10	1.85E-05
1	0	11	1.85E-05
1	0	12	1.85E-05
1	0	13	1.85E-05
1	0	14	1.85E-05
1	0	15	1.85E-05
1	0	16	1.85E-05
1	0	17	1.85E-05
1	0	18	1.85E-05
1	0	19	1.85E-05
1	0	20	1.85E-05
1	0	21	1.85E-05
1	0	22	1.85E-05
1	0	23	1.85E-05
1	0	24	1.85E-05
2	1	1	8.91E-06
2	1	2	8.91E-06
2	1	3	8.91E-06
2	1	4	8.91E-06
2	1	5	8.91E-06
2	1	6	8.91E-06
2	1	7	8.91E-06
2	1	8	8.91E-06
2	1	9	8.91E-06
2	1	10	8.91E-06
2	1	11	8.92E-06
2	1	12	8.92E-06
2	1	13	8.92E-06
2	1	14	8.92E-06
2	1	15	8.92E-06
2	1	16	8.92E-06
2	1	17	8.92E-06
2	1	18	8.92E-06
2	1	19	8.92E-06
2	1	20	8.92E-06
2	1	21	8.91E-06
2	1	22	8.91E-06
2	1	23	8.91E-06
2	1	24	8.91E-06
2	7	1	2.22E-06
2	7	2	2.22E-06
2	7	3	2.22E-06
2	7	4	2.22E-06
2	7	5	2.22E-06
2	7	6	2.22E-06

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	31	Sulfur Dioxide (SO2)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	0.01005761
2	7	8	0.01005761
2	7	9	0.01005761
2	7	10	0.01005761
2	7	11	0.01005761
2	7	12	0.01005761
2	7	13	0.01005761
2	7	14	0.01005761
2	7	15	0.01005761
2	7	16	0.01005761
2	7	17	0.01005761
2	7	18	0.01005761
2	7	19	0.01005761
2	7	20	0.01005761
2	7	21	0.01005761
2	7	22	0.01005761
2	7	23	0.01005761
2	7	24	0.01005761
2	8	1	0.00975678
2	8	2	0.00975678
2	8	3	0.00975678
2	8	4	0.00975678
2	8	5	0.00975678
2	8	6	0.00975678
2	8	7	0.00975678
2	8	8	0.00975678
2	8	9	0.00975678
2	8	10	0.00975678
2	8	11	0.00975678
2	8	12	0.00975678
2	8	13	0.00975678
2	8	14	0.00975678
2	8	15	0.00975678
2	8	16	0.00975678
2	8	17	0.00975678
2	8	18	0.00975678
2	8	19	0.00975678
2	8	20	0.00975678
2	8	21	0.00975678
2	8	22	0.00975678
2	8	23	0.00975678
2	8	24	0.00975678
2	10	1	0.00940386
2	10	2	0.00940386
2	10	3	0.00940386
2	10	4	0.00940386
2	10	5	0.00940386
2	10	6	0.00940386
2	10	7	0.00940386
2	10	8	0.00940386
2	10	9	0.00940386
2	10	10	0.00940386
2	10	11	0.00940386
2	10	12	0.00940386

PollutantID	974	Benzo(a)pyrene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	2.22E-06
2	7	8	2.22E-06
2	7	9	2.22E-06
2	7	10	2.22E-06
2	7	11	2.22E-06
2	7	12	2.22E-06
2	7	13	2.22E-06
2	7	14	2.22E-06
2	7	15	2.22E-06
2	7	16	2.22E-06
2	7	17	2.22E-06
2	7	18	2.22E-06
2	7	19	2.22E-06
2	7	20	2.22E-06
2	7	21	2.22E-06
2	7	22	2.22E-06
2	7	23	2.22E-06
2	7	24	2.22E-06
2	8	1	2.28E-06
2	8	2	2.28E-06
2	8	3	2.28E-06
2	8	4	2.28E-06
2	8	5	2.28E-06
2	8	6	2.28E-06
2	8	7	2.28E-06
2	8	8	2.28E-06
2	8	9	2.28E-06
2	8	10	2.28E-06
2	8	11	2.28E-06
2	8	12	2.28E-06
2	8	13	2.28E-06
2	8	14	2.28E-06
2	8	15	2.28E-06
2	8	16	2.28E-06
2	8	17	2.28E-06
2	8	18	2.28E-06
2	8	19	2.28E-06
2	8	20	2.28E-06
2	8	21	2.28E-06
2	8	22	2.28E-06
2	8	23	2.28E-06
2	8	24	2.28E-06
2	10	1	2.38E-06
2	10	2	2.38E-06
2	10	3	2.38E-06
2	10	4	2.38E-06
2	10	5	2.38E-06
2	10	6	2.38E-06
2	10	7	2.38E-06
2	10	8	2.38E-06
2	10	9	2.38E-06
2	10	10	2.38E-06
2	10	11	2.38E-06
2	10	12	2.38E-06

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	31	Sulfur Dioxide (SO2)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	0.00940386
2	10	14	0.00940386
2	10	15	0.00940386
2	10	16	0.00940386
2	10	17	0.00940386
2	10	18	0.00940386
2	10	19	0.00940386
2	10	20	0.00940386
2	10	21	0.00940386
2	10	22	0.00940386
2	10	23	0.00940386
2	10	24	0.00940386
2	11	1	0.00919076
2	11	2	0.00919076
2	11	3	0.00919076
2	11	4	0.00919076
2	11	5	0.00919076
2	11	6	0.00919076
2	11	7	0.00919076
2	11	8	0.00919076
2	11	9	0.00919076
2	11	10	0.00919076
2	11	11	0.00919076
2	11	12	0.00919076
2	11	13	0.00919076
2	11	14	0.00919076
2	11	15	0.00919076
2	11	16	0.00919076
2	11	17	0.00919076
2	11	18	0.00919076
2	11	19	0.00919076
2	11	20	0.00919076
2	11	21	0.00919076
2	11	22	0.00919076
2	11	23	0.00919076
2	11	24	0.00919076
3	1	1	0.05380216
3	1	2	0.05380216
3	1	3	0.05380216
3	1	4	0.05380216
3	1	5	0.05380216
3	1	6	0.05380216
3	1	7	0.05380216
3	1	8	0.05380216
3	1	9	0.05380216
3	1	10	0.05380216
3	1	11	0.05380216
3	1	12	0.05380216
3	1	13	0.05380216
3	1	14	0.05380216
3	1	15	0.05380216
3	1	16	0.05380216
3	1	17	0.05380216
3	1	18	0.05380216

PollutantID	974	Benzo(a)pyrene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	2.38E-06
2	10	14	2.38E-06
2	10	15	2.38E-06
2	10	16	2.38E-06
2	10	17	2.38E-06
2	10	18	2.38E-06
2	10	19	2.38E-06
2	10	20	2.38E-06
2	10	21	2.38E-06
2	10	22	2.38E-06
2	10	23	2.38E-06
2	10	24	2.38E-06
2	11	1	2.34E-06
2	11	2	2.34E-06
2	11	3	2.34E-06
2	11	4	2.34E-06
2	11	5	2.34E-06
2	11	6	2.34E-06
2	11	7	2.34E-06
2	11	8	2.34E-06
2	11	9	2.34E-06
2	11	10	2.34E-06
2	11	11	2.34E-06
2	11	12	2.34E-06
2	11	13	2.34E-06
2	11	14	2.34E-06
2	11	15	2.34E-06
2	11	16	2.34E-06
2	11	17	2.34E-06
2	11	18	2.34E-06
2	11	19	2.34E-06
2	11	20	2.34E-06
2	11	21	2.34E-06
2	11	22	2.34E-06
2	11	23	2.34E-06
2	11	24	2.34E-06
3	1	1	8.91E-06
3	1	2	8.91E-06
3	1	3	8.91E-06
3	1	4	8.91E-06
3	1	5	8.91E-06
3	1	6	8.91E-06
3	1	7	8.91E-06
3	1	8	8.91E-06
3	1	9	8.91E-06
3	1	10	8.91E-06
3	1	11	8.92E-06
3	1	12	8.92E-06
3	1	13	8.92E-06
3	1	14	8.92E-06
3	1	15	8.92E-06
3	1	16	8.92E-06
3	1	17	8.92E-06
3	1	18	8.92E-06

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	31	Sulfur Dioxide (SO2)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	0.05380216
3	1	20	0.05380216
3	1	21	0.05380216
3	1	22	0.05380216
3	1	23	0.05380216
3	1	24	0.05380216
3	7	1	0.01034308
3	7	2	0.01034308
3	7	3	0.01034308
3	7	4	0.01034308
3	7	5	0.01034308
3	7	6	0.01034308
3	7	7	0.01034308
3	7	8	0.01034308
3	7	9	0.01034308
3	7	10	0.01034308
3	7	11	0.01034308
3	7	12	0.01034308
3	7	13	0.01034308
3	7	14	0.01034308
3	7	15	0.01034308
3	7	16	0.01034308
3	7	17	0.01034308
3	7	18	0.01034308
3	7	19	0.01034308
3	7	20	0.01034308
3	7	21	0.01034308
3	7	22	0.01034308
3	7	23	0.01034308
3	7	24	0.01034308
3	8	1	0.00985388
3	8	2	0.00985388
3	8	3	0.00985388
3	8	4	0.00985388
3	8	5	0.00985388
3	8	6	0.00985388
3	8	7	0.00985388
3	8	8	0.00985388
3	8	9	0.00985388
3	8	10	0.00985388
3	8	11	0.00985388
3	8	12	0.00985388
3	8	13	0.00985388
3	8	14	0.00985388
3	8	15	0.00985388
3	8	16	0.00985388
3	8	17	0.00985388
3	8	18	0.00985388
3	8	19	0.00985388
3	8	20	0.00985388
3	8	21	0.00985388
3	8	22	0.00985388
3	8	23	0.00985388
3	8	24	0.00985388

PollutantID	974	Benzo(a)pyrene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	8.92E-06
3	1	20	8.92E-06
3	1	21	8.91E-06
3	1	22	8.91E-06
3	1	23	8.91E-06
3	1	24	8.91E-06
3	7	1	2.87E-06
3	7	2	2.87E-06
3	7	3	2.87E-06
3	7	4	2.87E-06
3	7	5	2.87E-06
3	7	6	2.87E-06
3	7	7	2.87E-06
3	7	8	2.87E-06
3	7	9	2.87E-06
3	7	10	2.87E-06
3	7	11	2.87E-06
3	7	12	2.87E-06
3	7	13	2.87E-06
3	7	14	2.87E-06
3	7	15	2.87E-06
3	7	16	2.87E-06
3	7	17	2.87E-06
3	7	18	2.87E-06
3	7	19	2.87E-06
3	7	20	2.87E-06
3	7	21	2.87E-06
3	7	22	2.87E-06
3	7	23	2.87E-06
3	7	24	2.87E-06
3	8	1	2.77E-06
3	8	2	2.77E-06
3	8	3	2.77E-06
3	8	4	2.77E-06
3	8	5	2.77E-06
3	8	6	2.77E-06
3	8	7	2.77E-06
3	8	8	2.77E-06
3	8	9	2.77E-06
3	8	10	2.77E-06
3	8	11	2.77E-06
3	8	12	2.77E-06
3	8	13	2.77E-06
3	8	14	2.77E-06
3	8	15	2.77E-06
3	8	16	2.77E-06
3	8	17	2.77E-06
3	8	18	2.77E-06
3	8	19	2.77E-06
3	8	20	2.77E-06
3	8	21	2.77E-06
3	8	22	2.77E-06
3	8	23	2.77E-06
3	8	24	2.77E-06

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	31	Sulfur Dioxide (SO2)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	0.00936395
3	10	2	0.00936395
3	10	3	0.00936395
3	10	4	0.00936395
3	10	5	0.00936395
3	10	6	0.00936395
3	10	7	0.00936395
3	10	8	0.00936395
3	10	9	0.00936395
3	10	10	0.00936395
3	10	11	0.00936395
3	10	12	0.00936395
3	10	13	0.00936395
3	10	14	0.00936395
3	10	15	0.00936395
3	10	16	0.00936395
3	10	17	0.00936395
3	10	18	0.00936395
3	10	19	0.00936395
3	10	20	0.00936395
3	10	21	0.00936395
3	10	22	0.00936395
3	10	23	0.00936395
3	10	24	0.00936395
3	11	1	0.00920948
3	11	2	0.00920948
3	11	3	0.00920948
3	11	4	0.00920948
3	11	5	0.00920948
3	11	6	0.00920948
3	11	7	0.00920948
3	11	8	0.00920948
3	11	9	0.00920948
3	11	10	0.00920948
3	11	11	0.00920948
3	11	12	0.00920948
3	11	13	0.00920948
3	11	14	0.00920948
3	11	15	0.00920948
3	11	16	0.00920948
3	11	17	0.00920948
3	11	18	0.00920948
3	11	19	0.00920948
3	11	20	0.00920948
3	11	21	0.00920948
3	11	22	0.00920948
3	11	23	0.00920948
3	11	24	0.00920948

PollutantID	974	Benzo(a)pyrene	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	2.68E-06
3	10	2	2.68E-06
3	10	3	2.68E-06
3	10	4	2.68E-06
3	10	5	2.68E-06
3	10	6	2.68E-06
3	10	7	2.68E-06
3	10	8	2.68E-06
3	10	9	2.68E-06
3	10	10	2.68E-06
3	10	11	2.68E-06
3	10	12	2.68E-06
3	10	13	2.68E-06
3	10	14	2.68E-06
3	10	15	2.68E-06
3	10	16	2.68E-06
3	10	17	2.68E-06
3	10	18	2.68E-06
3	10	19	2.68E-06
3	10	20	2.68E-06
3	10	21	2.68E-06
3	10	22	2.68E-06
3	10	23	2.68E-06
3	10	24	2.68E-06
3	11	1	2.64E-06
3	11	2	2.64E-06
3	11	3	2.64E-06
3	11	4	2.64E-06
3	11	5	2.64E-06
3	11	6	2.64E-06
3	11	7	2.64E-06
3	11	8	2.64E-06
3	11	9	2.64E-06
3	11	10	2.64E-06
3	11	11	2.64E-06
3	11	12	2.64E-06
3	11	13	2.64E-06
3	11	14	2.64E-06
3	11	15	2.64E-06
3	11	16	2.64E-06
3	11	17	2.64E-06
3	11	18	2.64E-06
3	11	19	2.64E-06
3	11	20	2.64E-06
3	11	21	2.64E-06
3	11	22	2.64E-06
3	11	23	2.64E-06
3	11	24	2.64E-06

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	9100	PM10	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.085971
1	0	2	0.085971
1	0	3	0.085971
1	0	4	0.085971
1	0	5	0.085971
1	0	6	0.085971
1	0	7	0.085971
1	0	8	0.085971
1	0	9	0.085971
1	0	10	0.085971
1	0	11	0.085971
1	0	12	0.085971
1	0	13	0.085971
1	0	14	0.085971
1	0	15	0.085971
1	0	16	0.085971
1	0	17	0.085971
1	0	18	0.085971
1	0	19	0.085971
1	0	20	0.085971
1	0	21	0.085971
1	0	22	0.085971
1	0	23	0.085971
1	0	24	0.085971
2	1	1	0.498482
2	1	2	0.498482
2	1	3	0.498482
2	1	4	0.498482
2	1	5	0.498482
2	1	6	0.498482
2	1	7	0.498482
2	1	8	0.498482
2	1	9	0.498482
2	1	10	0.498482
2	1	11	0.498482
2	1	12	0.498482
2	1	13	0.498482
2	1	14	0.498482
2	1	15	0.498482
2	1	16	0.498482
2	1	17	0.498482
2	1	18	0.498482
2	1	19	0.498482
2	1	20	0.498482
2	1	21	0.498482
2	1	22	0.498482
2	1	23	0.498482
2	1	24	0.498482
2	7	1	0.069597
2	7	2	0.069597
2	7	3	0.069597
2	7	4	0.069597
2	7	5	0.069597
2	7	6	0.069597

PollutantID	9110	PM2.5	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.078222
1	0	2	0.078222
1	0	3	0.078222
1	0	4	0.078222
1	0	5	0.078222
1	0	6	0.078222
1	0	7	0.078222
1	0	8	0.078222
1	0	9	0.078222
1	0	10	0.078222
1	0	11	0.078222
1	0	12	0.078222
1	0	13	0.078222
1	0	14	0.078222
1	0	15	0.078222
1	0	16	0.078222
1	0	17	0.078222
1	0	18	0.078222
1	0	19	0.078222
1	0	20	0.078222
1	0	21	0.078222
1	0	22	0.078222
1	0	23	0.078222
1	0	24	0.078222
2	1	1	0.094075
2	1	2	0.094075
2	1	3	0.094075
2	1	4	0.094075
2	1	5	0.094075
2	1	6	0.094075
2	1	7	0.094075
2	1	8	0.094075
2	1	9	0.094075
2	1	10	0.094075
2	1	11	0.094075
2	1	12	0.094075
2	1	13	0.094075
2	1	14	0.094075
2	1	15	0.094075
2	1	16	0.094075
2	1	17	0.094075
2	1	18	0.094075
2	1	19	0.094075
2	1	20	0.094075
2	1	21	0.094075
2	1	22	0.094075
2	1	23	0.094075
2	1	24	0.094075
2	7	1	0.015005
2	7	2	0.015005
2	7	3	0.015005
2	7	4	0.015005
2	7	5	0.015005
2	7	6	0.015005

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	9100	PM10	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	0.069597
2	7	8	0.069597
2	7	9	0.069597
2	7	10	0.069597
2	7	11	0.069597
2	7	12	0.069597
2	7	13	0.069597
2	7	14	0.069597
2	7	15	0.069597
2	7	16	0.069597
2	7	17	0.069597
2	7	18	0.069597
2	7	19	0.069597
2	7	20	0.069597
2	7	21	0.069597
2	7	22	0.069597
2	7	23	0.069597
2	7	24	0.069597
2	8	1	0.056794
2	8	2	0.056794
2	8	3	0.056794
2	8	4	0.056794
2	8	5	0.056794
2	8	6	0.056794
2	8	7	0.056794
2	8	8	0.056794
2	8	9	0.056794
2	8	10	0.056794
2	8	11	0.056794
2	8	12	0.056794
2	8	13	0.056794
2	8	14	0.056794
2	8	15	0.056794
2	8	16	0.056794
2	8	17	0.056794
2	8	18	0.056794
2	8	19	0.056794
2	8	20	0.056794
2	8	21	0.056794
2	8	22	0.056794
2	8	23	0.056794
2	8	24	0.056794
2	10	1	0.039077
2	10	2	0.039077
2	10	3	0.039077
2	10	4	0.039077
2	10	5	0.039077
2	10	6	0.039077
2	10	7	0.039077
2	10	8	0.039077
2	10	9	0.039077
2	10	10	0.039077
2	10	11	0.039077
2	10	12	0.039077

PollutantID	9110	PM2.5	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	7	0.015005
2	7	8	0.015005
2	7	9	0.015005
2	7	10	0.015005
2	7	11	0.015005
2	7	12	0.015005
2	7	13	0.015005
2	7	14	0.015005
2	7	15	0.015005
2	7	16	0.015005
2	7	17	0.015005
2	7	18	0.015005
2	7	19	0.015005
2	7	20	0.015005
2	7	21	0.015005
2	7	22	0.015005
2	7	23	0.015005
2	7	24	0.015005
2	8	1	0.013323
2	8	2	0.013323
2	8	3	0.013323
2	8	4	0.013323
2	8	5	0.013323
2	8	6	0.013323
2	8	7	0.013323
2	8	8	0.013323
2	8	9	0.013323
2	8	10	0.013323
2	8	11	0.013323
2	8	12	0.013323
2	8	13	0.013323
2	8	14	0.013323
2	8	15	0.013323
2	8	16	0.013323
2	8	17	0.013323
2	8	18	0.013323
2	8	19	0.013323
2	8	20	0.013323
2	8	21	0.013323
2	8	22	0.013323
2	8	23	0.013323
2	8	24	0.013323
2	10	1	0.011013
2	10	2	0.011013
2	10	3	0.011013
2	10	4	0.011013
2	10	5	0.011013
2	10	6	0.011013
2	10	7	0.011013
2	10	8	0.011013
2	10	9	0.011013
2	10	10	0.011013
2	10	11	0.011013
2	10	12	0.011013

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	9100	PM10	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	0.039077
2	10	14	0.039077
2	10	15	0.039077
2	10	16	0.039077
2	10	17	0.039077
2	10	18	0.039077
2	10	19	0.039077
2	10	20	0.039077
2	10	21	0.039077
2	10	22	0.039077
2	10	23	0.039077
2	10	24	0.039077
2	11	1	0.03229
2	11	2	0.03229
2	11	3	0.03229
2	11	4	0.03229
2	11	5	0.03229
2	11	6	0.03229
2	11	7	0.03229
2	11	8	0.03229
2	11	9	0.03229
2	11	10	0.03229
2	11	11	0.03229
2	11	12	0.03229
2	11	13	0.03229
2	11	14	0.03229
2	11	15	0.03229
2	11	16	0.03229
2	11	17	0.03229
2	11	18	0.03229
2	11	19	0.03229
2	11	20	0.03229
2	11	21	0.03229
2	11	22	0.03229
2	11	23	0.03229
2	11	24	0.03229
3	1	1	0.498482
3	1	2	0.498482
3	1	3	0.498482
3	1	4	0.498482
3	1	5	0.498482
3	1	6	0.498482
3	1	7	0.498482
3	1	8	0.498482
3	1	9	0.498482
3	1	10	0.498482
3	1	11	0.498482
3	1	12	0.498482
3	1	13	0.498482
3	1	14	0.498482
3	1	15	0.498482
3	1	16	0.498482
3	1	17	0.498482
3	1	18	0.498482

PollutantID	9110	PM2.5	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	13	0.011013
2	10	14	0.011013
2	10	15	0.011013
2	10	16	0.011013
2	10	17	0.011013
2	10	18	0.011013
2	10	19	0.011013
2	10	20	0.011013
2	10	21	0.011013
2	10	22	0.011013
2	10	23	0.011013
2	10	24	0.011013
2	11	1	0.009968
2	11	2	0.009968
2	11	3	0.009968
2	11	4	0.009968
2	11	5	0.009968
2	11	6	0.009968
2	11	7	0.009968
2	11	8	0.009968
2	11	9	0.009968
2	11	10	0.009968
2	11	11	0.009968
2	11	12	0.009968
2	11	13	0.009968
2	11	14	0.009968
2	11	15	0.009968
2	11	16	0.009968
2	11	17	0.009968
2	11	18	0.009968
2	11	19	0.009968
2	11	20	0.009968
2	11	21	0.009968
2	11	22	0.009968
2	11	23	0.009968
2	11	24	0.009968
3	1	1	0.094075
3	1	2	0.094075
3	1	3	0.094075
3	1	4	0.094075
3	1	5	0.094075
3	1	6	0.094075
3	1	7	0.094075
3	1	8	0.094075
3	1	9	0.094075
3	1	10	0.094075
3	1	11	0.094075
3	1	12	0.094075
3	1	13	0.094075
3	1	14	0.094075
3	1	15	0.094075
3	1	16	0.094075
3	1	17	0.094075
3	1	18	0.094075

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	9100	PM10	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	0.498482
3	1	20	0.498482
3	1	21	0.498482
3	1	22	0.498482
3	1	23	0.498482
3	1	24	0.498482
3	7	1	0.075047
3	7	2	0.075047
3	7	3	0.075047
3	7	4	0.075047
3	7	5	0.075047
3	7	6	0.075047
3	7	7	0.075047
3	7	8	0.075047
3	7	9	0.075047
3	7	10	0.075047
3	7	11	0.075047
3	7	12	0.075047
3	7	13	0.075047
3	7	14	0.075047
3	7	15	0.075047
3	7	16	0.075047
3	7	17	0.075047
3	7	18	0.075047
3	7	19	0.075047
3	7	20	0.075047
3	7	21	0.075047
3	7	22	0.075047
3	7	23	0.075047
3	7	24	0.075047
3	8	1	0.059864
3	8	2	0.059864
3	8	3	0.059864
3	8	4	0.059864
3	8	5	0.059864
3	8	6	0.059864
3	8	7	0.059864
3	8	8	0.059864
3	8	9	0.059864
3	8	10	0.059864
3	8	11	0.059864
3	8	12	0.059864
3	8	13	0.059864
3	8	14	0.059864
3	8	15	0.059864
3	8	16	0.059864
3	8	17	0.059864
3	8	18	0.059864
3	8	19	0.059864
3	8	20	0.059864
3	8	21	0.059864
3	8	22	0.059864
3	8	23	0.059864
3	8	24	0.059864

PollutantID	9110	PM2.5	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	19	0.094075
3	1	20	0.094075
3	1	21	0.094075
3	1	22	0.094075
3	1	23	0.094075
3	1	24	0.094075
3	7	1	0.016786
3	7	2	0.016786
3	7	3	0.016786
3	7	4	0.016786
3	7	5	0.016786
3	7	6	0.016786
3	7	7	0.016786
3	7	8	0.016786
3	7	9	0.016786
3	7	10	0.016786
3	7	11	0.016786
3	7	12	0.016786
3	7	13	0.016786
3	7	14	0.016786
3	7	15	0.016786
3	7	16	0.016786
3	7	17	0.016786
3	7	18	0.016786
3	7	19	0.016786
3	7	20	0.016786
3	7	21	0.016786
3	7	22	0.016786
3	7	23	0.016786
3	7	24	0.016786
3	8	1	0.014499
3	8	2	0.014499
3	8	3	0.014499
3	8	4	0.014499
3	8	5	0.014499
3	8	6	0.014499
3	8	7	0.014499
3	8	8	0.014499
3	8	9	0.014499
3	8	10	0.014499
3	8	11	0.014499
3	8	12	0.014499
3	8	13	0.014499
3	8	14	0.014499
3	8	15	0.014499
3	8	16	0.014499
3	8	17	0.014499
3	8	18	0.014499
3	8	19	0.014499
3	8	20	0.014499
3	8	21	0.014499
3	8	22	0.014499
3	8	23	0.014499
3	8	24	0.014499

CAR Travel Emission Rate Calculation: CAC (2017)

PollutantID	9100	PM10	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	0.039102
3	10	2	0.039102
3	10	3	0.039102
3	10	4	0.039102
3	10	5	0.039102
3	10	6	0.039102
3	10	7	0.039102
3	10	8	0.039102
3	10	9	0.039102
3	10	10	0.039102
3	10	11	0.039102
3	10	12	0.039102
3	10	13	0.039102
3	10	14	0.039102
3	10	15	0.039102
3	10	16	0.039102
3	10	17	0.039102
3	10	18	0.039102
3	10	19	0.039102
3	10	20	0.039102
3	10	21	0.039102
3	10	22	0.039102
3	10	23	0.039102
3	10	24	0.039102
3	11	1	0.031936
3	11	2	0.031936
3	11	3	0.031936
3	11	4	0.031936
3	11	5	0.031936
3	11	6	0.031936
3	11	7	0.031936
3	11	8	0.031936
3	11	9	0.031936
3	11	10	0.031936
3	11	11	0.031936
3	11	12	0.031936
3	11	13	0.031936
3	11	14	0.031936
3	11	15	0.031936
3	11	16	0.031936
3	11	17	0.031936
3	11	18	0.031936
3	11	19	0.031936
3	11	20	0.031936
3	11	21	0.031936
3	11	22	0.031936
3	11	23	0.031936
3	11	24	0.031936

PollutantID	9110	PM2.5	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	10	1	0.0115
3	10	2	0.0115
3	10	3	0.0115
3	10	4	0.0115
3	10	5	0.0115
3	10	6	0.0115
3	10	7	0.0115
3	10	8	0.0115
3	10	9	0.0115
3	10	10	0.0115
3	10	11	0.0115
3	10	12	0.0115
3	10	13	0.0115
3	10	14	0.0115
3	10	15	0.0115
3	10	16	0.0115
3	10	17	0.0115
3	10	18	0.0115
3	10	19	0.0115
3	10	20	0.0115
3	10	21	0.0115
3	10	22	0.0115
3	10	23	0.0115
3	10	24	0.0115
3	11	1	0.010448
3	11	2	0.010448
3	11	3	0.010448
3	11	4	0.010448
3	11	5	0.010448
3	11	6	0.010448
3	11	7	0.010448
3	11	8	0.010448
3	11	9	0.010448
3	11	10	0.010448
3	11	11	0.010448
3	11	12	0.010448
3	11	13	0.010448
3	11	14	0.010448
3	11	15	0.010448
3	11	16	0.010448
3	11	17	0.010448
3	11	18	0.010448
3	11	19	0.010448
3	11	20	0.010448
3	11	21	0.010448
3	11	22	0.010448
3	11	23	0.010448
3	11	24	0.010448

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	9747.142	1	0	1	0.160556
1	0	2	9747.142	1	0	2	0.160556
1	0	3	9747.142	1	0	3	0.160556
1	0	4	9747.142	1	0	4	0.160556
1	0	5	9747.142	1	0	5	0.160556
1	0	6	9747.142	1	0	6	0.160556
1	0	7	9747.142	1	0	7	0.160556
1	0	8	9747.142	1	0	8	0.160556
1	0	9	9747.142	1	0	9	0.160556
1	0	10	9747.142	1	0	10	0.160556
1	0	11	9747.142	1	0	11	0.160556
1	0	12	9747.142	1	0	12	0.160556
1	0	13	9747.142	1	0	13	0.160556
1	0	14	9747.142	1	0	14	0.160556
1	0	15	9747.142	1	0	15	0.160556
1	0	16	9747.142	1	0	16	0.160556
1	0	17	9747.142	1	0	17	0.160556
1	0	18	9747.142	1	0	18	0.160556
1	0	19	9747.142	1	0	19	0.160556
1	0	20	9747.142	1	0	20	0.160556
1	0	21	9747.142	1	0	21	0.160556
1	0	22	9747.142	1	0	22	0.160556
1	0	23	9747.142	1	0	23	0.160556
1	0	24	9747.142	1	0	24	0.160556
2	1	1	8458.931	2	1	1	0.065488
2	1	2	8458.931	2	1	2	0.065488
2	1	3	8458.931	2	1	3	0.065488
2	1	4	8458.931	2	1	4	0.065488
2	1	5	8458.931	2	1	5	0.065488
2	1	6	8458.931	2	1	6	0.065488
2	1	7	8458.931	2	1	7	0.065488
2	1	8	8458.931	2	1	8	0.065488
2	1	9	8458.931	2	1	9	0.065488
2	1	10	8458.931	2	1	10	0.065488
2	1	11	8458.931	2	1	11	0.065488
2	1	12	8458.931	2	1	12	0.065488
2	1	13	8458.931	2	1	13	0.065488
2	1	14	8458.931	2	1	14	0.065488
2	1	15	8458.931	2	1	15	0.065488
2	1	16	8458.931	2	1	16	0.065488
2	1	17	8458.931	2	1	17	0.065488
2	1	18	8458.931	2	1	18	0.065488
2	1	19	8458.931	2	1	19	0.065488
2	1	20	8458.931	2	1	20	0.065488
2	1	21	8458.931	2	1	21	0.065488
2	1	22	8458.931	2	1	22	0.065488
2	1	23	8458.931	2	1	23	0.065488
2	1	24	8458.931	2	1	24	0.065488

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	7	1	2238.049	2	7	1	0.005457
2	7	2	2238.049	2	7	2	0.005457
2	7	3	2238.049	2	7	3	0.005457
2	7	4	2238.049	2	7	4	0.005457
2	7	5	2238.049	2	7	5	0.005457
2	7	6	2238.049	2	7	6	0.005457
2	7	7	2238.049	2	7	7	0.005457
2	7	8	2238.049	2	7	8	0.005457
2	7	9	2238.049	2	7	9	0.005457
2	7	10	2238.049	2	7	10	0.005457
2	7	11	2238.049	2	7	11	0.005457
2	7	12	2238.049	2	7	12	0.005457
2	7	13	2238.049	2	7	13	0.005457
2	7	14	2238.049	2	7	14	0.005457
2	7	15	2238.049	2	7	15	0.005457
2	7	16	2238.049	2	7	16	0.005457
2	7	17	2238.049	2	7	17	0.005457
2	7	18	2238.049	2	7	18	0.005457
2	7	19	2238.049	2	7	19	0.005457
2	7	20	2238.049	2	7	20	0.005457
2	7	21	2238.049	2	7	21	0.005457
2	7	22	2238.049	2	7	22	0.005457
2	7	23	2238.049	2	7	23	0.005457
2	7	24	2238.049	2	7	24	0.005457
2	8	1	1956.598	2	8	1	0.004678
2	8	2	1956.598	2	8	2	0.004678
2	8	3	1956.598	2	8	3	0.004678
2	8	4	1956.598	2	8	4	0.004678
2	8	5	1956.598	2	8	5	0.004678
2	8	6	1956.598	2	8	6	0.004678
2	8	7	1956.598	2	8	7	0.004678
2	8	8	1956.598	2	8	8	0.004678
2	8	9	1956.598	2	8	9	0.004678
2	8	10	1956.598	2	8	10	0.004678
2	8	11	1956.598	2	8	11	0.004678
2	8	12	1956.598	2	8	12	0.004678
2	8	13	1956.598	2	8	13	0.004678
2	8	14	1956.598	2	8	14	0.004678
2	8	15	1956.598	2	8	15	0.004678
2	8	16	1956.598	2	8	16	0.004678
2	8	17	1956.598	2	8	17	0.004678
2	8	18	1956.599	2	8	18	0.004678
2	8	19	1956.598	2	8	19	0.004678
2	8	20	1956.598	2	8	20	0.004678
2	8	21	1956.599	2	8	21	0.004678
2	8	22	1956.598	2	8	22	0.004678
2	8	23	1956.598	2	8	23	0.004678
2	8	24	1956.598	2	8	24	0.004678

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	10	1	1872.601	2	10	1	0.003638
2	10	2	1872.601	2	10	2	0.003638
2	10	3	1872.601	2	10	3	0.003638
2	10	4	1872.601	2	10	4	0.003638
2	10	5	1872.601	2	10	5	0.003638
2	10	6	1872.601	2	10	6	0.003638
2	10	7	1872.601	2	10	7	0.003638
2	10	8	1872.601	2	10	8	0.003638
2	10	9	1872.601	2	10	9	0.003638
2	10	10	1872.601	2	10	10	0.003638
2	10	11	1872.601	2	10	11	0.003638
2	10	12	1872.601	2	10	12	0.003638
2	10	13	1872.601	2	10	13	0.003638
2	10	14	1872.601	2	10	14	0.003638
2	10	15	1872.601	2	10	15	0.003638
2	10	16	1872.601	2	10	16	0.003638
2	10	17	1872.601	2	10	17	0.003638
2	10	18	1872.601	2	10	18	0.003638
2	10	19	1872.601	2	10	19	0.003638
2	10	20	1872.601	2	10	20	0.003638
2	10	21	1872.601	2	10	21	0.003638
2	10	22	1872.601	2	10	22	0.003638
2	10	23	1872.601	2	10	23	0.003638
2	10	24	1872.601	2	10	24	0.003638
2	11	1	1816.176	2	11	1	0.003274
2	11	2	1816.176	2	11	2	0.003274
2	11	3	1816.176	2	11	3	0.003274
2	11	4	1816.176	2	11	4	0.003274
2	11	5	1816.176	2	11	5	0.003274
2	11	6	1816.176	2	11	6	0.003274
2	11	7	1816.176	2	11	7	0.003274
2	11	8	1816.176	2	11	8	0.003274
2	11	9	1816.176	2	11	9	0.003274
2	11	10	1816.176	2	11	10	0.003274
2	11	11	1816.176	2	11	11	0.003274
2	11	12	1816.176	2	11	12	0.003274
2	11	13	1816.176	2	11	13	0.003274
2	11	14	1816.176	2	11	14	0.003274
2	11	15	1816.176	2	11	15	0.003274
2	11	16	1816.176	2	11	16	0.003274
2	11	17	1816.176	2	11	17	0.003274
2	11	18	1816.176	2	11	18	0.003274
2	11	19	1816.176	2	11	19	0.003274
2	11	20	1816.176	2	11	20	0.003274
2	11	21	1816.176	2	11	21	0.003274
2	11	22	1816.176	2	11	22	0.003274
2	11	23	1816.176	2	11	23	0.003274
2	11	24	1816.176	2	11	24	0.003274

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	1	8236.628	3	1	1	0.065488
3	1	2	8236.628	3	1	2	0.065488
3	1	3	8236.628	3	1	3	0.065488
3	1	4	8236.628	3	1	4	0.065488
3	1	5	8236.628	3	1	5	0.065488
3	1	6	8236.628	3	1	6	0.065488
3	1	7	8236.628	3	1	7	0.065488
3	1	8	8236.628	3	1	8	0.065488
3	1	9	8236.628	3	1	9	0.065488
3	1	10	8236.628	3	1	10	0.065488
3	1	11	8236.628	3	1	11	0.065488
3	1	12	8236.628	3	1	12	0.065488
3	1	13	8236.628	3	1	13	0.065488
3	1	14	8236.628	3	1	14	0.065488
3	1	15	8236.628	3	1	15	0.065488
3	1	16	8236.628	3	1	16	0.065488
3	1	17	8236.628	3	1	17	0.065488
3	1	18	8236.628	3	1	18	0.065488
3	1	19	8236.628	3	1	19	0.065488
3	1	20	8236.628	3	1	20	0.065488
3	1	21	8236.628	3	1	21	0.065488
3	1	22	8236.628	3	1	22	0.065488
3	1	23	8236.628	3	1	23	0.065488
3	1	24	8236.628	3	1	24	0.065488
3	7	1	2237.609	3	7	1	0.005457
3	7	2	2237.609	3	7	2	0.005457
3	7	3	2237.609	3	7	3	0.005457
3	7	4	2237.609	3	7	4	0.005457
3	7	5	2237.609	3	7	5	0.005457
3	7	6	2237.609	3	7	6	0.005457
3	7	7	2237.609	3	7	7	0.005457
3	7	8	2237.609	3	7	8	0.005457
3	7	9	2237.609	3	7	9	0.005457
3	7	10	2237.609	3	7	10	0.005457
3	7	11	2237.609	3	7	11	0.005457
3	7	12	2237.609	3	7	12	0.005457
3	7	13	2237.609	3	7	13	0.005457
3	7	14	2237.609	3	7	14	0.005457
3	7	15	2237.609	3	7	15	0.005457
3	7	16	2237.609	3	7	16	0.005457
3	7	17	2237.609	3	7	17	0.005457
3	7	18	2237.609	3	7	18	0.005457
3	7	19	2237.609	3	7	19	0.005457
3	7	20	2237.609	3	7	20	0.005457
3	7	21	2237.609	3	7	21	0.005457
3	7	22	2237.609	3	7	22	0.005457
3	7	23	2237.609	3	7	23	0.005457
3	7	24	2237.609	3	7	24	0.005457

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	8	1	1979.726	3	8	1	0.004678
3	8	2	1979.726	3	8	2	0.004678
3	8	3	1979.726	3	8	3	0.004678
3	8	4	1979.726	3	8	4	0.004678
3	8	5	1979.726	3	8	5	0.004678
3	8	6	1979.726	3	8	6	0.004678
3	8	7	1979.726	3	8	7	0.004678
3	8	8	1979.726	3	8	8	0.004678
3	8	9	1979.726	3	8	9	0.004678
3	8	10	1979.726	3	8	10	0.004678
3	8	11	1979.726	3	8	11	0.004678
3	8	12	1979.726	3	8	12	0.004678
3	8	13	1979.726	3	8	13	0.004678
3	8	14	1979.726	3	8	14	0.004678
3	8	15	1979.726	3	8	15	0.004678
3	8	16	1979.726	3	8	16	0.004678
3	8	17	1979.727	3	8	17	0.004678
3	8	18	1979.726	3	8	18	0.004678
3	8	19	1979.726	3	8	19	0.004678
3	8	20	1979.726	3	8	20	0.004678
3	8	21	1979.726	3	8	21	0.004678
3	8	22	1979.726	3	8	22	0.004678
3	8	23	1979.726	3	8	23	0.004678
3	8	24	1979.726	3	8	24	0.004678
3	10	1	1884.381	3	10	1	0.003638
3	10	2	1884.381	3	10	2	0.003638
3	10	3	1884.381	3	10	3	0.003638
3	10	4	1884.381	3	10	4	0.003638
3	10	5	1884.381	3	10	5	0.003638
3	10	6	1884.381	3	10	6	0.003638
3	10	7	1884.381	3	10	7	0.003638
3	10	8	1884.381	3	10	8	0.003638
3	10	9	1884.381	3	10	9	0.003638
3	10	10	1884.381	3	10	10	0.003638
3	10	11	1884.381	3	10	11	0.003638
3	10	12	1884.381	3	10	12	0.003638
3	10	13	1884.381	3	10	13	0.003638
3	10	14	1884.381	3	10	14	0.003638
3	10	15	1884.381	3	10	15	0.003638
3	10	16	1884.381	3	10	16	0.003638
3	10	17	1884.381	3	10	17	0.003638
3	10	18	1884.381	3	10	18	0.003638
3	10	19	1884.381	3	10	19	0.003638
3	10	20	1884.381	3	10	20	0.003638
3	10	21	1884.381	3	10	21	0.003638
3	10	22	1884.381	3	10	22	0.003638
3	10	23	1884.381	3	10	23	0.003638
3	10	24	1884.381	3	10	24	0.003638

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	1	1821.679	3	11	1	0.003274
3	11	2	1821.679	3	11	2	0.003274
3	11	3	1821.679	3	11	3	0.003274
3	11	4	1821.679	3	11	4	0.003274
3	11	5	1821.679	3	11	5	0.003274
3	11	6	1821.679	3	11	6	0.003274
3	11	7	1821.679	3	11	7	0.003274
3	11	8	1821.679	3	11	8	0.003274
3	11	9	1821.679	3	11	9	0.003274
3	11	10	1821.679	3	11	10	0.003274
3	11	11	1821.679	3	11	11	0.003274
3	11	12	1821.679	3	11	12	0.003274
3	11	13	1821.679	3	11	13	0.003274
3	11	14	1821.679	3	11	14	0.003274
3	11	15	1821.679	3	11	15	0.003274
3	11	16	1821.679	3	11	16	0.003274
3	11	17	1821.679	3	11	17	0.003274
3	11	18	1821.679	3	11	18	0.003274
3	11	19	1821.679	3	11	19	0.003274
3	11	20	1821.679	3	11	20	0.003274
3	11	21	1821.679	3	11	21	0.003274
3	11	22	1821.679	3	11	22	0.003274
3	11	23	1821.679	3	11	23	0.003274
3	11	24	1821.679	3	11	24	0.003274

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	5.860409
1	0	2	5.860409
1	0	3	5.860409
1	0	4	5.860409
1	0	5	5.860409
1	0	6	5.860409
1	0	7	5.860409
1	0	8	5.860409
1	0	9	5.860409
1	0	10	5.860409
1	0	11	5.860409
1	0	12	5.860409
1	0	13	5.860409
1	0	14	5.860409
1	0	15	5.860409
1	0	16	5.860409
1	0	17	5.860409
1	0	18	5.860409
1	0	19	5.860409
1	0	20	5.860409
1	0	21	5.860409
1	0	22	5.860409
1	0	23	5.860409
1	0	24	5.860409
2	1	1	3.429958
2	1	2	3.429958
2	1	3	3.429958
2	1	4	3.429958
2	1	5	3.429958
2	1	6	3.429958
2	1	7	3.429958
2	1	8	3.429958
2	1	9	3.429958
2	1	10	3.429958
2	1	11	3.429958
2	1	12	3.429958
2	1	13	3.429958
2	1	14	3.429958
2	1	15	3.429958
2	1	16	3.429958
2	1	17	3.429958
2	1	18	3.429958
2	1	19	3.429958
2	1	20	3.429958
2	1	21	3.429958
2	1	22	3.429958
2	1	23	3.429958
2	1	24	3.429958

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	26.16060084
1	0	2	26.16060084
1	0	3	26.16060084
1	0	4	26.16060084
1	0	5	26.16060084
1	0	6	26.16060084
1	0	7	26.16060084
1	0	8	26.16060084
1	0	9	26.16060084
1	0	10	26.16060084
1	0	11	26.16060084
1	0	12	26.16060084
1	0	13	26.16060084
1	0	14	26.16060084
1	0	15	26.16060084
1	0	16	26.16060084
1	0	17	26.16060084
1	0	18	26.16060084
1	0	19	26.16060084
1	0	20	26.16060084
1	0	21	26.16060084
1	0	22	26.16060084
1	0	23	26.16060084
1	0	24	26.16060084
2	1	1	22.72516674
2	1	2	22.72516674
2	1	3	22.72516674
2	1	4	22.72516674
2	1	5	22.72516674
2	1	6	22.72516674
2	1	7	22.72516674
2	1	8	22.72516674
2	1	9	22.72516674
2	1	10	22.72516674
2	1	11	22.72516674
2	1	12	22.72516674
2	1	13	22.72516674
2	1	14	22.72516674
2	1	15	22.72516674
2	1	16	22.72516674
2	1	17	22.72516674
2	1	18	22.72516674
2	1	19	22.72516674
2	1	20	22.72516674
2	1	21	22.72516674
2	1	22	22.72516674
2	1	23	22.72516674
2	1	24	22.72516674

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
2	7	1	0.479331
2	7	2	0.479331
2	7	3	0.479331
2	7	4	0.479331
2	7	5	0.479331
2	7	6	0.479331
2	7	7	0.479331
2	7	8	0.479331
2	7	9	0.479331
2	7	10	0.479331
2	7	11	0.479331
2	7	12	0.479331
2	7	13	0.479331
2	7	14	0.479331
2	7	15	0.479331
2	7	16	0.479331
2	7	17	0.479331
2	7	18	0.479331
2	7	19	0.479331
2	7	20	0.479331
2	7	21	0.479331
2	7	22	0.479331
2	7	23	0.479331
2	7	24	0.479331
2	8	1	0.405079
2	8	2	0.405079
2	8	3	0.405079
2	8	4	0.405079
2	8	5	0.405079
2	8	6	0.405079
2	8	7	0.405079
2	8	8	0.405079
2	8	9	0.405079
2	8	10	0.405079
2	8	11	0.405079
2	8	12	0.405079
2	8	13	0.405079
2	8	14	0.405079
2	8	15	0.405079
2	8	16	0.405079
2	8	17	0.405079
2	8	18	0.405079
2	8	19	0.405079
2	8	20	0.405079
2	8	21	0.405079
2	8	22	0.405079
2	8	23	0.405079
2	8	24	0.405079

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
2	7	1	4.823428175
2	7	2	4.823428175
2	7	3	4.823428175
2	7	4	4.823428175
2	7	5	4.823428175
2	7	6	4.823428175
2	7	7	4.823428175
2	7	8	4.823428175
2	7	9	4.823428175
2	7	10	4.823428175
2	7	11	4.823428175
2	7	12	4.823428175
2	7	13	4.823428175
2	7	14	4.823428175
2	7	15	4.823428175
2	7	16	4.823428175
2	7	17	4.823428175
2	7	18	4.823428175
2	7	19	4.823428175
2	7	20	4.823428175
2	7	21	4.823428175
2	7	22	4.823428175
2	7	23	4.823428175
2	7	24	4.823428258
2	8	1	4.232260214
2	8	2	4.232260214
2	8	3	4.232260214
2	8	4	4.232260214
2	8	5	4.232260214
2	8	6	4.232260826
2	8	7	4.232260214
2	8	8	4.232260214
2	8	9	4.232260214
2	8	10	4.232260214
2	8	11	4.232260214
2	8	12	4.232260214
2	8	13	4.232260214
2	8	14	4.232260826
2	8	15	4.232260214
2	8	16	4.232260214
2	8	17	4.232260214
2	8	18	4.232260214
2	8	19	4.232260214
2	8	20	4.232260214
2	8	21	4.232260214
2	8	22	4.232260214
2	8	23	4.232260214
2	8	24	4.232260826

AECOM

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
2	10	1	0.305958
2	10	2	0.305958
2	10	3	0.305958
2	10	4	0.305958
2	10	5	0.305958
2	10	6	0.305958
2	10	7	0.305958
2	10	8	0.305958
2	10	9	0.305958
2	10	10	0.305958
2	10	11	0.305958
2	10	12	0.305958
2	10	13	0.305958
2	10	14	0.305958
2	10	15	0.305958
2	10	16	0.305958
2	10	17	0.305958
2	10	18	0.305958
2	10	19	0.305958
2	10	20	0.305958
2	10	21	0.305958
2	10	22	0.305958
2	10	23	0.305958
2	10	24	0.305958
2	11	1	0.265095
2	11	2	0.265095
2	11	3	0.265095
2	11	4	0.265095
2	11	5	0.265095
2	11	6	0.265095
2	11	7	0.265095
2	11	8	0.265095
2	11	9	0.265095
2	11	10	0.265095
2	11	11	0.265095
2	11	12	0.265095
2	11	13	0.265095
2	11	14	0.265095
2	11	15	0.265095
2	11	16	0.265095
2	11	17	0.265095
2	11	18	0.265095
2	11	19	0.265095
2	11	20	0.265095
2	11	21	0.265095
2	11	22	0.265095
2	11	23	0.265095
2	11	24	0.265095

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
2	10	1	3.803994678
2	10	2	3.803994931
2	10	3	3.803994678
2	10	4	3.803994931
2	10	5	3.803994931
2	10	6	3.803993851
2	10	7	3.803994678
2	10	8	3.803994931
2	10	9	3.803994678
2	10	10	3.803994678
2	10	11	3.803994678
2	10	12	3.803994931
2	10	13	3.803994678
2	10	14	3.803994678
2	10	15	3.803994678
2	10	16	3.803994678
2	10	17	3.803994931
2	10	18	3.803994678
2	10	19	3.803993851
2	10	20	3.803994678
2	10	21	3.803994678
2	10	22	3.803994931
2	10	23	3.803994678
2	10	24	3.803994678
2	11	1	3.649709051
2	11	2	3.649709051
2	11	3	3.649709051
2	11	4	3.649709051
2	11	5	3.649709051
2	11	6	3.649709051
2	11	7	3.649709051
2	11	8	3.649709051
2	11	9	3.649709051
2	11	10	3.649709051
2	11	11	3.649709051
2	11	12	3.649709051
2	11	13	3.649709051
2	11	14	3.649709051
2	11	15	3.649709051
2	11	16	3.649709051
2	11	17	3.649709051
2	11	18	3.649709051
2	11	19	3.649709051
2	11	20	3.649709051
2	11	21	3.649709051
2	11	22	3.649709051
2	11	23	3.649709051
2	11	24	3.649709051

AECOM

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	1	1	3.363205
3	1	2	3.363205
3	1	3	3.363205
3	1	4	3.363205
3	1	5	3.363205
3	1	6	3.363205
3	1	7	3.363205
3	1	8	3.363205
3	1	9	3.363205
3	1	10	3.363205
3	1	11	3.363205
3	1	12	3.363205
3	1	13	3.363205
3	1	14	3.363205
3	1	15	3.363205
3	1	16	3.363205
3	1	17	3.363205
3	1	18	3.363205
3	1	19	3.363205
3	1	20	3.363205
3	1	21	3.363205
3	1	22	3.363205
3	1	23	3.363205
3	1	24	3.363205
3	7	1	0.466647
3	7	2	0.466647
3	7	3	0.466647
3	7	4	0.466647
3	7	5	0.466647
3	7	6	0.466647
3	7	7	0.466647
3	7	8	0.466647
3	7	9	0.466647
3	7	10	0.466647
3	7	11	0.466647
3	7	12	0.466647
3	7	13	0.466647
3	7	14	0.466647
3	7	15	0.466647
3	7	16	0.466647
3	7	17	0.466647
3	7	18	0.466647
3	7	19	0.466647
3	7	20	0.466647
3	7	21	0.466647
3	7	22	0.466647
3	7	23	0.466647
3	7	24	0.466647

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	1	1	22.07710798
3	1	2	22.07710798
3	1	3	22.07710798
3	1	4	22.07710798
3	1	5	22.07710798
3	1	6	22.07710798
3	1	7	22.07710798
3	1	8	22.07710798
3	1	9	22.07710798
3	1	10	22.07710798
3	1	11	22.07710798
3	1	12	22.07710798
3	1	13	22.07710798
3	1	14	22.07710798
3	1	15	22.07710798
3	1	16	22.07710798
3	1	17	22.07710798
3	1	18	22.07710798
3	1	19	22.07710798
3	1	20	22.07710798
3	1	21	22.07710798
3	1	22	22.07710798
3	1	23	22.07710798
3	1	24	22.07710798
3	7	1	4.819384276
3	7	2	4.819384276
3	7	3	4.819384276
3	7	4	4.819384276
3	7	5	4.819384276
3	7	6	4.819384276
3	7	7	4.819384276
3	7	8	4.819384276
3	7	9	4.819384276
3	7	10	4.819384276
3	7	11	4.819384276
3	7	12	4.819383837
3	7	13	4.819384276
3	7	14	4.819384276
3	7	15	4.819384276
3	7	16	4.819384276
3	7	17	4.819384276
3	7	18	4.819384276
3	7	19	4.819384276
3	7	20	4.819384276
3	7	21	4.819384276
3	7	22	4.819384276
3	7	23	4.819384276
3	7	24	4.819384276

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	8	1	0.396875
3	8	2	0.396875
3	8	3	0.396875
3	8	4	0.396875
3	8	5	0.396875
3	8	6	0.396875
3	8	7	0.396875
3	8	8	0.396875
3	8	9	0.396875
3	8	10	0.396875
3	8	11	0.396875
3	8	12	0.396875
3	8	13	0.396875
3	8	14	0.396875
3	8	15	0.396875
3	8	16	0.396875
3	8	17	0.396875
3	8	18	0.396875
3	8	19	0.396875
3	8	20	0.396875
3	8	21	0.396875
3	8	22	0.396875
3	8	23	0.396875
3	8	24	0.396875
3	10	1	0.300663
3	10	2	0.300663
3	10	3	0.300663
3	10	4	0.300663
3	10	5	0.300663
3	10	6	0.300663
3	10	7	0.300663
3	10	8	0.300663
3	10	9	0.300663
3	10	10	0.300663
3	10	11	0.300663
3	10	12	0.300663
3	10	13	0.300663
3	10	14	0.300663
3	10	15	0.300663
3	10	16	0.300663
3	10	17	0.300663
3	10	18	0.300663
3	10	19	0.300663
3	10	20	0.300663
3	10	21	0.300663
3	10	22	0.300663
3	10	23	0.300663
3	10	24	0.300663

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	8	1	4.28443247
3	8	2	4.284431857
3	8	3	4.284431857
3	8	4	4.284431857
3	8	5	4.284431857
3	8	6	4.284431857
3	8	7	4.284431857
3	8	8	4.284431857
3	8	9	4.284431857
3	8	10	4.284431857
3	8	11	4.284431857
3	8	12	4.284431857
3	8	13	4.284431857
3	8	14	4.284431857
3	8	15	4.28443323
3	8	16	4.284431857
3	8	17	4.284431857
3	8	18	4.284431857
3	8	19	4.284431857
3	8	20	4.28443247
3	8	21	4.284431857
3	8	22	4.284431857
3	8	23	4.284431857
3	8	24	4.284431857
3	10	1	3.836036884
3	10	2	3.836036884
3	10	3	3.836036884
3	10	4	3.836036884
3	10	5	3.836036884
3	10	6	3.836036884
3	10	7	3.836036884
3	10	8	3.836036884
3	10	9	3.836036884
3	10	10	3.836037136
3	10	11	3.836036884
3	10	12	3.83603551
3	10	13	3.836036884
3	10	14	3.83603551
3	10	15	3.836037136
3	10	16	3.836037136
3	10	17	3.836036884
3	10	18	3.836036884
3	10	19	3.836037136
3	10	20	3.836037136
3	10	21	3.836036884
3	10	22	3.836036884
3	10	23	3.836036884
3	10	24	3.836036884

TRK Travel Emission Rate Calculation: GHG (2017)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	11	1	0.26262
3	11	2	0.26262
3	11	3	0.26262
3	11	4	0.26262
3	11	5	0.26262
3	11	6	0.26262
3	11	7	0.26262
3	11	8	0.26262
3	11	9	0.26262
3	11	10	0.26262
3	11	11	0.26262
3	11	12	0.26262
3	11	13	0.26262
3	11	14	0.26262
3	11	15	0.26262
3	11	16	0.26262
3	11	17	0.26262
3	11	18	0.26262
3	11	19	0.26262
3	11	20	0.26262
3	11	21	0.26262
3	11	22	0.26262
3	11	23	0.26262
3	11	24	0.26262

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	11	1	3.664681877
3	11	2	3.664681877
3	11	3	3.664681877
3	11	4	3.664681877
3	11	5	3.664681877
3	11	6	3.664681877
3	11	7	3.664681877
3	11	8	3.664681877
3	11	9	3.664681877
3	11	10	3.664681877
3	11	11	3.664681877
3	11	12	3.664681877
3	11	13	3.664681877
3	11	14	3.664681877
3	11	15	3.664681877
3	11	16	3.664681877
3	11	17	3.664681877
3	11	18	3.664681877
3	11	19	3.664681877
3	11	20	3.664681877
3	11	21	3.664681877
3	11	22	3.664681877
3	11	23	3.664681877
3	11	24	3.664681877

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	64.29496264	1	0	1	0.04645
1	0	2	64.29496264	1	0	2	0.04645
1	0	3	64.29496264	1	0	3	0.04645
1	0	4	64.29496264	1	0	4	0.04645
1	0	5	64.29496264	1	0	5	0.04645
1	0	6	64.29496264	1	0	6	0.04645
1	0	7	64.29496264	1	0	7	0.04645
1	0	8	64.29496264	1	0	8	0.04645
1	0	9	64.29496264	1	0	9	0.04645
1	0	10	64.29496264	1	0	10	0.04645
1	0	11	64.29496264	1	0	11	0.04645
1	0	12	64.29496264	1	0	12	0.04645
1	0	13	64.29496264	1	0	13	0.04645
1	0	14	64.29496264	1	0	14	0.04645
1	0	15	64.29496264	1	0	15	0.04645
1	0	16	64.29496264	1	0	16	0.04645
1	0	17	64.29496264	1	0	17	0.04645
1	0	18	64.29496264	1	0	18	0.04645
1	0	19	64.29496264	1	0	19	0.04645
1	0	20	64.29496264	1	0	20	0.04645
1	0	21	64.29496264	1	0	21	0.04645
1	0	22	64.29496264	1	0	22	0.04645
1	0	23	64.29496264	1	0	23	0.04645
1	0	24	64.29496264	1	0	24	0.04645
2	1	1	51.12543929	2	1	1	0.033607
2	1	2	51.12543929	2	1	2	0.033602
2	1	3	51.12543929	2	1	3	0.033603
2	1	4	51.12543929	2	1	4	0.033605
2	1	5	51.12543929	2	1	5	0.033609
2	1	6	51.12543929	2	1	6	0.033605
2	1	7	51.12543929	2	1	7	0.033606
2	1	8	51.12543929	2	1	8	0.033608
2	1	9	51.12543929	2	1	9	0.033609
2	1	10	51.12543929	2	1	10	0.033609
2	1	11	51.12543929	2	1	11	0.033615
2	1	12	51.12543929	2	1	12	0.033622
2	1	13	51.12543929	2	1	13	0.033627
2	1	14	51.12543929	2	1	14	0.033623
2	1	15	51.12543929	2	1	15	0.033626
2	1	16	51.12543929	2	1	16	0.033625
2	1	17	51.12543929	2	1	17	0.033624
2	1	18	51.12543929	2	1	18	0.033626
2	1	19	51.12543929	2	1	19	0.033627
2	1	20	51.12543929	2	1	20	0.033623
2	1	21	51.12543929	2	1	21	0.033624
2	1	22	51.12543929	2	1	22	0.033626
2	1	23	51.12543929	2	1	23	0.033622
2	1	24	51.12543929	2	1	24	0.033612

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	7	1	9.253148899	2	7	1	0.004426
2	7	2	9.253148899	2	7	2	0.004426
2	7	3	9.253148899	2	7	3	0.004426
2	7	4	9.253148899	2	7	4	0.004426
2	7	5	9.253148899	2	7	5	0.004426
2	7	6	9.253148899	2	7	6	0.004426
2	7	7	9.253148899	2	7	7	0.004426
2	7	8	9.253148899	2	7	8	0.004426
2	7	9	9.253148899	2	7	9	0.004426
2	7	10	9.253148899	2	7	10	0.004426
2	7	11	9.253148899	2	7	11	0.004427
2	7	12	9.253148899	2	7	12	0.004428
2	7	13	9.253148899	2	7	13	0.004428
2	7	14	9.253148899	2	7	14	0.004428
2	7	15	9.253148899	2	7	15	0.004428
2	7	16	9.253148899	2	7	16	0.004428
2	7	17	9.253148899	2	7	17	0.004428
2	7	18	9.253148899	2	7	18	0.004428
2	7	19	9.253148899	2	7	19	0.004428
2	7	20	9.253148899	2	7	20	0.004428
2	7	21	9.253148899	2	7	21	0.004428
2	7	22	9.253148899	2	7	22	0.004428
2	7	23	9.253148899	2	7	23	0.004428
2	7	24	9.253148899	2	7	24	0.004427
2	8	1	7.822096367	2	8	1	0.003894
2	8	2	7.822090191	2	8	2	0.003894
2	8	3	7.822096367	2	8	3	0.003894
2	8	4	7.822090191	2	8	4	0.003894
2	8	5	7.822090191	2	8	5	0.003895
2	8	6	7.822090191	2	8	6	0.003894
2	8	7	7.822090191	2	8	7	0.003894
2	8	8	7.822090191	2	8	8	0.003895
2	8	9	7.822096367	2	8	9	0.003895
2	8	10	7.822090191	2	8	10	0.003895
2	8	11	7.822090191	2	8	11	0.003895
2	8	12	7.822090191	2	8	12	0.003896
2	8	13	7.822090191	2	8	13	0.003896
2	8	14	7.822090191	2	8	14	0.003896
2	8	15	7.822096367	2	8	15	0.003896
2	8	16	7.822096367	2	8	16	0.003896
2	8	17	7.822096367	2	8	17	0.003896
2	8	18	7.822096367	2	8	18	0.003896
2	8	19	7.822090191	2	8	19	0.003896
2	8	20	7.822090191	2	8	20	0.003896
2	8	21	7.822090191	2	8	21	0.003896
2	8	22	7.822090191	2	8	22	0.003896
2	8	23	7.822090191	2	8	23	0.003896
2	8	24	7.822090191	2	8	24	0.003895

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	10	1	6.871372515	2	10	1	0.003135
2	10	2	6.871372515	2	10	2	0.003135
2	10	3	6.871372515	2	10	3	0.003135
2	10	4	6.871372515	2	10	4	0.003135
2	10	5	6.871378692	2	10	5	0.003136
2	10	6	6.871372515	2	10	6	0.003135
2	10	7	6.871378692	2	10	7	0.003135
2	10	8	6.871372515	2	10	8	0.003135
2	10	9	6.871372515	2	10	9	0.003136
2	10	10	6.871372515	2	10	10	0.003136
2	10	11	6.871372515	2	10	11	0.003136
2	10	12	6.871372515	2	10	12	0.003136
2	10	13	6.871378692	2	10	13	0.003137
2	10	14	6.871372515	2	10	14	0.003136
2	10	15	6.871372515	2	10	15	0.003136
2	10	16	6.871372515	2	10	16	0.003136
2	10	17	6.871372515	2	10	17	0.003136
2	10	18	6.871372515	2	10	18	0.003136
2	10	19	6.871372515	2	10	19	0.003137
2	10	20	6.871372515	2	10	20	0.003136
2	10	21	6.871372515	2	10	21	0.003136
2	10	22	6.871372515	2	10	22	0.003136
2	10	23	6.871372515	2	10	23	0.003136
2	10	24	6.871372515	2	10	24	0.003136
2	11	1	6.440508148	2	11	1	0.002865
2	11	2	6.440508148	2	11	2	0.002865
2	11	3	6.440508148	2	11	3	0.002865
2	11	4	6.440508148	2	11	4	0.002865
2	11	5	6.440508148	2	11	5	0.002865
2	11	6	6.440508148	2	11	6	0.002865
2	11	7	6.440508148	2	11	7	0.002865
2	11	8	6.440508148	2	11	8	0.002865
2	11	9	6.440508148	2	11	9	0.002865
2	11	10	6.440508148	2	11	10	0.002865
2	11	11	6.440508148	2	11	11	0.002866
2	11	12	6.440508148	2	11	12	0.002866
2	11	13	6.440508148	2	11	13	0.002866
2	11	14	6.440508148	2	11	14	0.002866
2	11	15	6.440508148	2	11	15	0.002866
2	11	16	6.440508148	2	11	16	0.002866
2	11	17	6.440508148	2	11	17	0.002866
2	11	18	6.440508148	2	11	18	0.002866
2	11	19	6.440508148	2	11	19	0.002866
2	11	20	6.440508148	2	11	20	0.002866
2	11	21	6.440508148	2	11	21	0.002866
2	11	22	6.440508148	2	11	22	0.002866
2	11	23	6.440508148	2	11	23	0.002866
2	11	24	6.440508148	2	11	24	0.002866

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	1	49.46085472	3	1	1	0.032298
3	1	2	49.46085472	3	1	2	0.032293
3	1	3	49.46085472	3	1	3	0.032294
3	1	4	49.46085472	3	1	4	0.032296
3	1	5	49.46085472	3	1	5	0.0323
3	1	6	49.46085472	3	1	6	0.032295
3	1	7	49.46085472	3	1	7	0.032296
3	1	8	49.46085472	3	1	8	0.032299
3	1	9	49.46085472	3	1	9	0.0323
3	1	10	49.46085472	3	1	10	0.0323
3	1	11	49.46085472	3	1	11	0.032305
3	1	12	49.46085472	3	1	12	0.032313
3	1	13	49.46085472	3	1	13	0.032317
3	1	14	49.46085472	3	1	14	0.032314
3	1	15	49.46085472	3	1	15	0.032317
3	1	16	49.46085472	3	1	16	0.032316
3	1	17	49.46085472	3	1	17	0.032315
3	1	18	49.46085472	3	1	18	0.032317
3	1	19	49.46085472	3	1	19	0.032318
3	1	20	49.46085472	3	1	20	0.032314
3	1	21	49.46085472	3	1	21	0.032315
3	1	22	49.46085472	3	1	22	0.032316
3	1	23	49.46085472	3	1	23	0.032313
3	1	24	49.46085472	3	1	24	0.032303
3	7	1	9.185089028	3	7	1	0.004291
3	7	2	9.185089028	3	7	2	0.004291
3	7	3	9.185089028	3	7	3	0.004291
3	7	4	9.185089028	3	7	4	0.004291
3	7	5	9.185089028	3	7	5	0.004291
3	7	6	9.185089028	3	7	6	0.004291
3	7	7	9.185089028	3	7	7	0.004291
3	7	8	9.185089028	3	7	8	0.004291
3	7	9	9.185089028	3	7	9	0.004291
3	7	10	9.185089028	3	7	10	0.004291
3	7	11	9.185089028	3	7	11	0.004292
3	7	12	9.185089028	3	7	12	0.004292
3	7	13	9.185089028	3	7	13	0.004293
3	7	14	9.185089028	3	7	14	0.004292
3	7	15	9.185089028	3	7	15	0.004293
3	7	16	9.185089028	3	7	16	0.004293
3	7	17	9.185089028	3	7	17	0.004292
3	7	18	9.185089028	3	7	18	0.004293
3	7	19	9.185089028	3	7	19	0.004293
3	7	20	9.185089028	3	7	20	0.004292
3	7	21	9.185089028	3	7	21	0.004292
3	7	22	9.185089028	3	7	22	0.004293
3	7	23	9.185089028	3	7	23	0.004292
3	7	24	9.185089855	3	7	24	0.004291

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	8	1	7.831769627	3	8	1	0.003794
3	8	2	7.831775804	3	8	2	0.003794
3	8	3	7.831769627	3	8	3	0.003794
3	8	4	7.831769627	3	8	4	0.003794
3	8	5	7.831769627	3	8	5	0.003794
3	8	6	7.831769627	3	8	6	0.003794
3	8	7	7.831769627	3	8	7	0.003794
3	8	8	7.831775804	3	8	8	0.003794
3	8	9	7.831769627	3	8	9	0.003794
3	8	10	7.831775804	3	8	10	0.003794
3	8	11	7.831769627	3	8	11	0.003795
3	8	12	7.831769627	3	8	12	0.003795
3	8	13	7.831775804	3	8	13	0.003796
3	8	14	7.831769627	3	8	14	0.003795
3	8	15	7.831769627	3	8	15	0.003795
3	8	16	7.831775804	3	8	16	0.003795
3	8	17	7.831775804	3	8	17	0.003795
3	8	18	7.831769627	3	8	18	0.003795
3	8	19	7.831769627	3	8	19	0.003796
3	8	20	7.831769627	3	8	20	0.003795
3	8	21	7.831769627	3	8	21	0.003795
3	8	22	7.831769627	3	8	22	0.003795
3	8	23	7.831769627	3	8	23	0.003795
3	8	24	7.831769627	3	8	24	0.003794
3	10	1	6.872828807	3	10	1	0.003091
3	10	2	6.872828807	3	10	2	0.003091
3	10	3	6.872828807	3	10	3	0.003091
3	10	4	6.872828807	3	10	4	0.003091
3	10	5	6.872828807	3	10	5	0.003091
3	10	6	6.872828807	3	10	6	0.003091
3	10	7	6.872828807	3	10	7	0.003091
3	10	8	6.872828807	3	10	8	0.003091
3	10	9	6.872834902	3	10	9	0.003091
3	10	10	6.872828807	3	10	10	0.003091
3	10	11	6.872828807	3	10	11	0.003092
3	10	12	6.872828807	3	10	12	0.003092
3	10	13	6.872828725	3	10	13	0.003092
3	10	14	6.872828807	3	10	14	0.003092
3	10	15	6.872834984	3	10	15	0.003092
3	10	16	6.872828807	3	10	16	0.003092
3	10	17	6.872828807	3	10	17	0.003092
3	10	18	6.872828807	3	10	18	0.003092
3	10	19	6.872828807	3	10	19	0.003092
3	10	20	6.872828807	3	10	20	0.003092
3	10	21	6.872828807	3	10	21	0.003092
3	10	22	6.872828807	3	10	22	0.003092
3	10	23	6.872828807	3	10	23	0.003092
3	10	24	6.872828807	3	10	24	0.003091

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	1	6.441189898	3	11	1	0.002845
3	11	2	6.441189898	3	11	2	0.002844
3	11	3	6.441189898	3	11	3	0.002844
3	11	4	6.441189898	3	11	4	0.002845
3	11	5	6.441189898	3	11	5	0.002845
3	11	6	6.441189898	3	11	6	0.002845
3	11	7	6.441189898	3	11	7	0.002845
3	11	8	6.441189898	3	11	8	0.002845
3	11	9	6.441189898	3	11	9	0.002845
3	11	10	6.441189898	3	11	10	0.002845
3	11	11	6.441189898	3	11	11	0.002845
3	11	12	6.441189898	3	11	12	0.002845
3	11	13	6.441189898	3	11	13	0.002846
3	11	14	6.441189898	3	11	14	0.002845
3	11	15	6.441189898	3	11	15	0.002846
3	11	16	6.441189898	3	11	16	0.002846
3	11	17	6.441189898	3	11	17	0.002846
3	11	18	6.441189898	3	11	18	0.002846
3	11	19	6.441189898	3	11	19	0.002846
3	11	20	6.441189898	3	11	20	0.002845
3	11	21	6.441189898	3	11	21	0.002845
3	11	22	6.441189898	3	11	22	0.002846
3	11	23	6.441189898	3	11	23	0.002845
3	11	24	6.441189898	3	11	24	0.002845

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	0.01385	1	0	1	0.508958
1	0	2	0.01385	1	0	2	0.508958
1	0	3	0.01385	1	0	3	0.508958
1	0	4	0.01385	1	0	4	0.508958
1	0	5	0.01385	1	0	5	0.508958
1	0	6	0.01385	1	0	6	0.508958
1	0	7	0.01385	1	0	7	0.508958
1	0	8	0.01385	1	0	8	0.508958
1	0	9	0.01385	1	0	9	0.508958
1	0	10	0.01385	1	0	10	0.508958
1	0	11	0.01385	1	0	11	0.508958
1	0	12	0.01385	1	0	12	0.508958
1	0	13	0.01385	1	0	13	0.508958
1	0	14	0.01385	1	0	14	0.508958
1	0	15	0.01385	1	0	15	0.508958
1	0	16	0.01385	1	0	16	0.508958
1	0	17	0.01385	1	0	17	0.508958
1	0	18	0.01385	1	0	18	0.508958
1	0	19	0.01385	1	0	19	0.508958
1	0	20	0.01385	1	0	20	0.508958
1	0	21	0.01385	1	0	21	0.508958
1	0	22	0.01385	1	0	22	0.508958
1	0	23	0.01385	1	0	23	0.508958
1	0	24	0.01385	1	0	24	0.508958
2	1	1	0.009096	2	1	1	0.339089
2	1	2	0.009096	2	1	2	0.339089
2	1	3	0.009096	2	1	3	0.339089
2	1	4	0.009096	2	1	4	0.339089
2	1	5	0.009096	2	1	5	0.339089
2	1	6	0.009096	2	1	6	0.339089
2	1	7	0.009096	2	1	7	0.339089
2	1	8	0.009096	2	1	8	0.339089
2	1	9	0.009096	2	1	9	0.339089
2	1	10	0.009096	2	1	10	0.339089
2	1	11	0.009096	2	1	11	0.339089
2	1	12	0.009096	2	1	12	0.339089
2	1	13	0.009096	2	1	13	0.339089
2	1	14	0.009096	2	1	14	0.339089
2	1	15	0.009096	2	1	15	0.339089
2	1	16	0.009096	2	1	16	0.339089
2	1	17	0.009096	2	1	17	0.339089
2	1	18	0.009096	2	1	18	0.339089
2	1	19	0.009096	2	1	19	0.339089
2	1	20	0.009096	2	1	20	0.339089
2	1	21	0.009096	2	1	21	0.339089
2	1	22	0.009096	2	1	22	0.339089
2	1	23	0.009096	2	1	23	0.339089
2	1	24	0.009096	2	1	24	0.339089

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	7	1	0.001078	2	7	1	0.042236
2	7	2	0.001078	2	7	2	0.042236
2	7	3	0.001078	2	7	3	0.042236
2	7	4	0.001078	2	7	4	0.042236
2	7	5	0.001078	2	7	5	0.042236
2	7	6	0.001078	2	7	6	0.042236
2	7	7	0.001078	2	7	7	0.042236
2	7	8	0.001078	2	7	8	0.042236
2	7	9	0.001078	2	7	9	0.042236
2	7	10	0.001078	2	7	10	0.042236
2	7	11	0.001078	2	7	11	0.042236
2	7	12	0.001078	2	7	12	0.042236
2	7	13	0.001078	2	7	13	0.042236
2	7	14	0.001078	2	7	14	0.042236
2	7	15	0.001078	2	7	15	0.042236
2	7	16	0.001078	2	7	16	0.042236
2	7	17	0.001078	2	7	17	0.042236
2	7	18	0.001078	2	7	18	0.042236
2	7	19	0.001078	2	7	19	0.042236
2	7	20	0.001078	2	7	20	0.042236
2	7	21	0.001078	2	7	21	0.042236
2	7	22	0.001078	2	7	22	0.042236
2	7	23	0.001078	2	7	23	0.042236
2	7	24	0.001078	2	7	24	0.042236
2	8	1	0.000971	2	8	1	0.037376
2	8	2	0.000971	2	8	2	0.037376
2	8	3	0.000971	2	8	3	0.037376
2	8	4	0.000971	2	8	4	0.037376
2	8	5	0.000971	2	8	5	0.037376
2	8	6	0.000971	2	8	6	0.037376
2	8	7	0.000971	2	8	7	0.037376
2	8	8	0.000971	2	8	8	0.037376
2	8	9	0.000971	2	8	9	0.037376
2	8	10	0.000971	2	8	10	0.037376
2	8	11	0.000971	2	8	11	0.037376
2	8	12	0.000971	2	8	12	0.037376
2	8	13	0.000971	2	8	13	0.037376
2	8	14	0.000971	2	8	14	0.037376
2	8	15	0.000971	2	8	15	0.037376
2	8	16	0.000971	2	8	16	0.037376
2	8	17	0.000971	2	8	17	0.037376
2	8	18	0.000971	2	8	18	0.037376
2	8	19	0.000971	2	8	19	0.037376
2	8	20	0.000971	2	8	20	0.037376
2	8	21	0.000971	2	8	21	0.037376
2	8	22	0.000971	2	8	22	0.037376
2	8	23	0.000971	2	8	23	0.037376
2	8	24	0.000971	2	8	24	0.037376

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	10	1	0.000815	2	10	1	0.030999
2	10	2	0.000815	2	10	2	0.030999
2	10	3	0.000815	2	10	3	0.030999
2	10	4	0.000815	2	10	4	0.030999
2	10	5	0.000815	2	10	5	0.030999
2	10	6	0.000815	2	10	6	0.030999
2	10	7	0.000815	2	10	7	0.030999
2	10	8	0.000815	2	10	8	0.030999
2	10	9	0.000815	2	10	9	0.030999
2	10	10	0.000815	2	10	10	0.030999
2	10	11	0.000815	2	10	11	0.030999
2	10	12	0.000815	2	10	12	0.030999
2	10	13	0.000815	2	10	13	0.030999
2	10	14	0.000815	2	10	14	0.030999
2	10	15	0.000815	2	10	15	0.030999
2	10	16	0.000815	2	10	16	0.030999
2	10	17	0.000815	2	10	17	0.030999
2	10	18	0.000815	2	10	18	0.030999
2	10	19	0.000815	2	10	19	0.030999
2	10	20	0.000815	2	10	20	0.030999
2	10	21	0.000815	2	10	21	0.030999
2	10	22	0.000815	2	10	22	0.030999
2	10	23	0.000815	2	10	23	0.030999
2	10	24	0.000815	2	10	24	0.030999
2	11	1	0.000759	2	11	1	0.028616
2	11	2	0.000759	2	11	2	0.028616
2	11	3	0.000759	2	11	3	0.028616
2	11	4	0.000759	2	11	4	0.028616
2	11	5	0.000759	2	11	5	0.028616
2	11	6	0.000759	2	11	6	0.028616
2	11	7	0.000759	2	11	7	0.028616
2	11	8	0.000759	2	11	8	0.028616
2	11	9	0.000759	2	11	9	0.028616
2	11	10	0.000759	2	11	10	0.028616
2	11	11	0.000759	2	11	11	0.028616
2	11	12	0.000759	2	11	12	0.028616
2	11	13	0.000759	2	11	13	0.028616
2	11	14	0.000759	2	11	14	0.028616
2	11	15	0.000759	2	11	15	0.028616
2	11	16	0.000759	2	11	16	0.028616
2	11	17	0.000759	2	11	17	0.028616
2	11	18	0.000759	2	11	18	0.028616
2	11	19	0.000759	2	11	19	0.028616
2	11	20	0.000759	2	11	20	0.028616
2	11	21	0.000759	2	11	21	0.028616
2	11	22	0.000759	2	11	22	0.028616
2	11	23	0.000759	2	11	23	0.028616
2	11	24	0.000759	2	11	24	0.028616

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	1	0.008712	3	1	1	0.325868
3	1	2	0.008712	3	1	2	0.325868
3	1	3	0.008712	3	1	3	0.325868
3	1	4	0.008712	3	1	4	0.325868
3	1	5	0.008712	3	1	5	0.325868
3	1	6	0.008712	3	1	6	0.325868
3	1	7	0.008712	3	1	7	0.325868
3	1	8	0.008712	3	1	8	0.325868
3	1	9	0.008712	3	1	9	0.325868
3	1	10	0.008712	3	1	10	0.325868
3	1	11	0.008712	3	1	11	0.325868
3	1	12	0.008712	3	1	12	0.325868
3	1	13	0.008712	3	1	13	0.325868
3	1	14	0.008712	3	1	14	0.325868
3	1	15	0.008712	3	1	15	0.325868
3	1	16	0.008712	3	1	16	0.325868
3	1	17	0.008712	3	1	17	0.325868
3	1	18	0.008712	3	1	18	0.325868
3	1	19	0.008712	3	1	19	0.325868
3	1	20	0.008712	3	1	20	0.325868
3	1	21	0.008712	3	1	21	0.325868
3	1	22	0.008712	3	1	22	0.325868
3	1	23	0.008712	3	1	23	0.325868
3	1	24	0.008712	3	1	24	0.325868
3	7	1	0.001057	3	7	1	0.041386
3	7	2	0.001057	3	7	2	0.041386
3	7	3	0.001057	3	7	3	0.041386
3	7	4	0.001057	3	7	4	0.041386
3	7	5	0.001057	3	7	5	0.041386
3	7	6	0.001057	3	7	6	0.041386
3	7	7	0.001057	3	7	7	0.041386
3	7	8	0.001057	3	7	8	0.041386
3	7	9	0.001057	3	7	9	0.041386
3	7	10	0.001057	3	7	10	0.041386
3	7	11	0.001057	3	7	11	0.041386
3	7	12	0.001057	3	7	12	0.041386
3	7	13	0.001057	3	7	13	0.041386
3	7	14	0.001057	3	7	14	0.041386
3	7	15	0.001057	3	7	15	0.041386
3	7	16	0.001057	3	7	16	0.041386
3	7	17	0.001057	3	7	17	0.041386
3	7	18	0.001057	3	7	18	0.041386
3	7	19	0.001057	3	7	19	0.041386
3	7	20	0.001057	3	7	20	0.041386
3	7	21	0.001057	3	7	21	0.041386
3	7	22	0.001057	3	7	22	0.041386
3	7	23	0.001057	3	7	23	0.041386
3	7	24	0.001057	3	7	24	0.041386

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	8	1	0.000954	3	8	1	0.036767
3	8	2	0.000954	3	8	2	0.036767
3	8	3	0.000954	3	8	3	0.036767
3	8	4	0.000954	3	8	4	0.036767
3	8	5	0.000954	3	8	5	0.036767
3	8	6	0.000954	3	8	6	0.036767
3	8	7	0.000954	3	8	7	0.036767
3	8	8	0.000954	3	8	8	0.036767
3	8	9	0.000954	3	8	9	0.036767
3	8	10	0.000954	3	8	10	0.036767
3	8	11	0.000954	3	8	11	0.036767
3	8	12	0.000954	3	8	12	0.036767
3	8	13	0.000954	3	8	13	0.036767
3	8	14	0.000954	3	8	14	0.036767
3	8	15	0.000954	3	8	15	0.036767
3	8	16	0.000954	3	8	16	0.036767
3	8	17	0.000954	3	8	17	0.036767
3	8	18	0.000954	3	8	18	0.036767
3	8	19	0.000954	3	8	19	0.036767
3	8	20	0.000954	3	8	20	0.036767
3	8	21	0.000954	3	8	21	0.036767
3	8	22	0.000954	3	8	22	0.036767
3	8	23	0.000954	3	8	23	0.036767
3	8	24	0.000954	3	8	24	0.036767
3	10	1	0.000806	3	10	1	0.030681
3	10	2	0.000806	3	10	2	0.030681
3	10	3	0.000806	3	10	3	0.030681
3	10	4	0.000806	3	10	4	0.030681
3	10	5	0.000806	3	10	5	0.030681
3	10	6	0.000806	3	10	6	0.030681
3	10	7	0.000806	3	10	7	0.030681
3	10	8	0.000806	3	10	8	0.030681
3	10	9	0.000806	3	10	9	0.030681
3	10	10	0.000806	3	10	10	0.030681
3	10	11	0.000806	3	10	11	0.030681
3	10	12	0.000806	3	10	12	0.030681
3	10	13	0.000806	3	10	13	0.030681
3	10	14	0.000806	3	10	14	0.030681
3	10	15	0.000806	3	10	15	0.030681
3	10	16	0.000806	3	10	16	0.030681
3	10	17	0.000806	3	10	17	0.030681
3	10	18	0.000806	3	10	18	0.030681
3	10	19	0.000806	3	10	19	0.030681
3	10	20	0.000806	3	10	20	0.030681
3	10	21	0.000806	3	10	21	0.030681
3	10	22	0.000806	3	10	22	0.030681
3	10	23	0.000806	3	10	23	0.030681
3	10	24	0.000806	3	10	24	0.030681

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	1	0.000755	3	11	1	0.028467
3	11	2	0.000755	3	11	2	0.028467
3	11	3	0.000755	3	11	3	0.028467
3	11	4	0.000755	3	11	4	0.028467
3	11	5	0.000755	3	11	5	0.028467
3	11	6	0.000755	3	11	6	0.028467
3	11	7	0.000755	3	11	7	0.028467
3	11	8	0.000755	3	11	8	0.028467
3	11	9	0.000755	3	11	9	0.028467
3	11	10	0.000755	3	11	10	0.028467
3	11	11	0.000755	3	11	11	0.028467
3	11	12	0.000755	3	11	12	0.028467
3	11	13	0.000755	3	11	13	0.028467
3	11	14	0.000755	3	11	14	0.028467
3	11	15	0.000755	3	11	15	0.028467
3	11	16	0.000755	3	11	16	0.028467
3	11	17	0.000755	3	11	17	0.028467
3	11	18	0.000755	3	11	18	0.028467
3	11	19	0.000755	3	11	19	0.028467
3	11	20	0.000755	3	11	20	0.028467
3	11	21	0.000755	3	11	21	0.028467
3	11	22	0.000755	3	11	22	0.028467
3	11	23	0.000755	3	11	23	0.028467
3	11	24	0.000755	3	11	24	0.028467

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	0.250312	1	0	1	0.036672
1	0	2	0.250312	1	0	2	0.036672
1	0	3	0.250312	1	0	3	0.036672
1	0	4	0.250312	1	0	4	0.036672
1	0	5	0.250312	1	0	5	0.036672
1	0	6	0.250312	1	0	6	0.036672
1	0	7	0.250312	1	0	7	0.036672
1	0	8	0.250312	1	0	8	0.036672
1	0	9	0.250312	1	0	9	0.036672
1	0	10	0.250312	1	0	10	0.036672
1	0	11	0.250312	1	0	11	0.036672
1	0	12	0.250312	1	0	12	0.036672
1	0	13	0.250312	1	0	13	0.036672
1	0	14	0.250312	1	0	14	0.036672
1	0	15	0.250312	1	0	15	0.036672
1	0	16	0.250312	1	0	16	0.036672
1	0	17	0.250312	1	0	17	0.036672
1	0	18	0.250312	1	0	18	0.036672
1	0	19	0.250312	1	0	19	0.036672
1	0	20	0.250312	1	0	20	0.036672
1	0	21	0.250312	1	0	21	0.036672
1	0	22	0.250312	1	0	22	0.036672
1	0	23	0.250312	1	0	23	0.036672
1	0	24	0.250312	1	0	24	0.036672
2	1	1	0.160582	2	1	1	0.023895
2	1	2	0.160582	2	1	2	0.023895
2	1	3	0.160582	2	1	3	0.023895
2	1	4	0.160582	2	1	4	0.023895
2	1	5	0.160582	2	1	5	0.023895
2	1	6	0.160582	2	1	6	0.023895
2	1	7	0.160582	2	1	7	0.023895
2	1	8	0.160582	2	1	8	0.023895
2	1	9	0.160582	2	1	9	0.023895
2	1	10	0.160582	2	1	10	0.023895
2	1	11	0.160582	2	1	11	0.023895
2	1	12	0.160582	2	1	12	0.023895
2	1	13	0.160582	2	1	13	0.023895
2	1	14	0.160582	2	1	14	0.023895
2	1	15	0.160582	2	1	15	0.023895
2	1	16	0.160582	2	1	16	0.023895
2	1	17	0.160582	2	1	17	0.023895
2	1	18	0.160582	2	1	18	0.023895
2	1	19	0.160582	2	1	19	0.023895
2	1	20	0.160582	2	1	20	0.023895
2	1	21	0.160582	2	1	21	0.023895
2	1	22	0.160582	2	1	22	0.023895
2	1	23	0.160582	2	1	23	0.023895
2	1	24	0.160582	2	1	24	0.023895

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	7	1	0.019561	2	7	1	0.002811
2	7	2	0.019561	2	7	2	0.002811
2	7	3	0.019561	2	7	3	0.002811
2	7	4	0.019561	2	7	4	0.002811
2	7	5	0.019561	2	7	5	0.002811
2	7	6	0.019561	2	7	6	0.002811
2	7	7	0.019561	2	7	7	0.002811
2	7	8	0.019561	2	7	8	0.002811
2	7	9	0.019561	2	7	9	0.002811
2	7	10	0.019561	2	7	10	0.002811
2	7	11	0.019561	2	7	11	0.002811
2	7	12	0.019561	2	7	12	0.002811
2	7	13	0.019561	2	7	13	0.002811
2	7	14	0.019561	2	7	14	0.002811
2	7	15	0.019561	2	7	15	0.002811
2	7	16	0.019561	2	7	16	0.002811
2	7	17	0.019561	2	7	17	0.002811
2	7	18	0.019561	2	7	18	0.002811
2	7	19	0.019561	2	7	19	0.002811
2	7	20	0.019561	2	7	20	0.002811
2	7	21	0.019561	2	7	21	0.002811
2	7	22	0.019561	2	7	22	0.002811
2	7	23	0.019561	2	7	23	0.002811
2	7	24	0.019561	2	7	24	0.002811
2	8	1	0.017351	2	8	1	0.00253
2	8	2	0.017351	2	8	2	0.00253
2	8	3	0.017351	2	8	3	0.00253
2	8	4	0.017351	2	8	4	0.00253
2	8	5	0.017351	2	8	5	0.00253
2	8	6	0.017351	2	8	6	0.00253
2	8	7	0.017351	2	8	7	0.00253
2	8	8	0.017351	2	8	8	0.00253
2	8	9	0.017351	2	8	9	0.00253
2	8	10	0.017351	2	8	10	0.00253
2	8	11	0.017351	2	8	11	0.00253
2	8	12	0.017351	2	8	12	0.00253
2	8	13	0.017351	2	8	13	0.00253
2	8	14	0.017351	2	8	14	0.00253
2	8	15	0.017351	2	8	15	0.00253
2	8	16	0.017351	2	8	16	0.00253
2	8	17	0.017351	2	8	17	0.00253
2	8	18	0.017351	2	8	18	0.00253
2	8	19	0.017351	2	8	19	0.00253
2	8	20	0.017351	2	8	20	0.00253
2	8	21	0.017351	2	8	21	0.00253
2	8	22	0.017351	2	8	22	0.00253
2	8	23	0.017351	2	8	23	0.00253
2	8	24	0.017351	2	8	24	0.00253

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	10	1	0.014365	2	10	1	0.002127
2	10	2	0.014365	2	10	2	0.002127
2	10	3	0.014365	2	10	3	0.002127
2	10	4	0.014365	2	10	4	0.002127
2	10	5	0.014365	2	10	5	0.002127
2	10	6	0.014365	2	10	6	0.002127
2	10	7	0.014365	2	10	7	0.002127
2	10	8	0.014365	2	10	8	0.002127
2	10	9	0.014365	2	10	9	0.002127
2	10	10	0.014365	2	10	10	0.002127
2	10	11	0.014365	2	10	11	0.002127
2	10	12	0.014365	2	10	12	0.002127
2	10	13	0.014365	2	10	13	0.002127
2	10	14	0.014365	2	10	14	0.002127
2	10	15	0.014365	2	10	15	0.002127
2	10	16	0.014365	2	10	16	0.002127
2	10	17	0.014365	2	10	17	0.002127
2	10	18	0.014365	2	10	18	0.002127
2	10	19	0.014365	2	10	19	0.002127
2	10	20	0.014365	2	10	20	0.002127
2	10	21	0.014365	2	10	21	0.002127
2	10	22	0.014365	2	10	22	0.002127
2	10	23	0.014365	2	10	23	0.002127
2	10	24	0.014365	2	10	24	0.002127
2	11	1	0.0132	2	11	1	0.001977
2	11	2	0.0132	2	11	2	0.001977
2	11	3	0.0132	2	11	3	0.001977
2	11	4	0.0132	2	11	4	0.001977
2	11	5	0.0132	2	11	5	0.001977
2	11	6	0.0132	2	11	6	0.001977
2	11	7	0.0132	2	11	7	0.001977
2	11	8	0.0132	2	11	8	0.001977
2	11	9	0.0132	2	11	9	0.001977
2	11	10	0.0132	2	11	10	0.001977
2	11	11	0.0132	2	11	11	0.001977
2	11	12	0.0132	2	11	12	0.001977
2	11	13	0.0132	2	11	13	0.001977
2	11	14	0.0132	2	11	14	0.001977
2	11	15	0.0132	2	11	15	0.001977
2	11	16	0.0132	2	11	16	0.001977
2	11	17	0.0132	2	11	17	0.001977
2	11	18	0.0132	2	11	18	0.001977
2	11	19	0.0132	2	11	19	0.001977
2	11	20	0.0132	2	11	20	0.001977
2	11	21	0.0132	2	11	21	0.001977
2	11	22	0.0132	2	11	22	0.001977
2	11	23	0.0132	2	11	23	0.001977
2	11	24	0.0132	2	11	24	0.001977

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	1	0.154741	3	1	1	0.022922
3	1	2	0.154741	3	1	2	0.022922
3	1	3	0.154741	3	1	3	0.022922
3	1	4	0.154741	3	1	4	0.022922
3	1	5	0.154741	3	1	5	0.022922
3	1	6	0.154741	3	1	6	0.022922
3	1	7	0.154741	3	1	7	0.022922
3	1	8	0.154741	3	1	8	0.022922
3	1	9	0.154741	3	1	9	0.022922
3	1	10	0.154741	3	1	10	0.022922
3	1	11	0.154741	3	1	11	0.022922
3	1	12	0.154741	3	1	12	0.022922
3	1	13	0.154741	3	1	13	0.022922
3	1	14	0.154741	3	1	14	0.022922
3	1	15	0.154741	3	1	15	0.022922
3	1	16	0.154741	3	1	16	0.022922
3	1	17	0.154741	3	1	17	0.022922
3	1	18	0.154741	3	1	18	0.022922
3	1	19	0.154741	3	1	19	0.022922
3	1	20	0.154741	3	1	20	0.022922
3	1	21	0.154741	3	1	21	0.022922
3	1	22	0.154741	3	1	22	0.022922
3	1	23	0.154741	3	1	23	0.022922
3	1	24	0.154741	3	1	24	0.022922
3	7	1	0.019202	3	7	1	0.002763
3	7	2	0.019202	3	7	2	0.002763
3	7	3	0.019202	3	7	3	0.002763
3	7	4	0.019202	3	7	4	0.002763
3	7	5	0.019202	3	7	5	0.002763
3	7	6	0.019202	3	7	6	0.002763
3	7	7	0.019202	3	7	7	0.002763
3	7	8	0.019202	3	7	8	0.002763
3	7	9	0.019202	3	7	9	0.002763
3	7	10	0.019202	3	7	10	0.002763
3	7	11	0.019202	3	7	11	0.002763
3	7	12	0.019202	3	7	12	0.002763
3	7	13	0.019202	3	7	13	0.002763
3	7	14	0.019202	3	7	14	0.002763
3	7	15	0.019202	3	7	15	0.002763
3	7	16	0.019202	3	7	16	0.002763
3	7	17	0.019202	3	7	17	0.002763
3	7	18	0.019202	3	7	18	0.002763
3	7	19	0.019202	3	7	19	0.002763
3	7	20	0.019202	3	7	20	0.002763
3	7	21	0.019202	3	7	21	0.002763
3	7	22	0.019202	3	7	22	0.002763
3	7	23	0.019202	3	7	23	0.002763
3	7	24	0.019202	3	7	24	0.002763

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	8	1	0.017059	3	8	1	0.002488
3	8	2	0.017059	3	8	2	0.002488
3	8	3	0.017059	3	8	3	0.002488
3	8	4	0.017059	3	8	4	0.002488
3	8	5	0.017059	3	8	5	0.002488
3	8	6	0.017059	3	8	6	0.002488
3	8	7	0.017059	3	8	7	0.002488
3	8	8	0.017059	3	8	8	0.002488
3	8	9	0.017059	3	8	9	0.002488
3	8	10	0.017059	3	8	10	0.002488
3	8	11	0.017059	3	8	11	0.002488
3	8	12	0.017059	3	8	12	0.002488
3	8	13	0.017059	3	8	13	0.002488
3	8	14	0.017059	3	8	14	0.002488
3	8	15	0.017059	3	8	15	0.002488
3	8	16	0.017059	3	8	16	0.002488
3	8	17	0.017059	3	8	17	0.002488
3	8	18	0.017059	3	8	18	0.002488
3	8	19	0.017059	3	8	19	0.002488
3	8	20	0.017059	3	8	20	0.002488
3	8	21	0.017059	3	8	21	0.002488
3	8	22	0.017059	3	8	22	0.002488
3	8	23	0.017059	3	8	23	0.002488
3	8	24	0.017059	3	8	24	0.002488
3	10	1	0.014215	3	10	1	0.002106
3	10	2	0.014215	3	10	2	0.002106
3	10	3	0.014215	3	10	3	0.002106
3	10	4	0.014215	3	10	4	0.002106
3	10	5	0.014215	3	10	5	0.002106
3	10	6	0.014215	3	10	6	0.002106
3	10	7	0.014215	3	10	7	0.002106
3	10	8	0.014215	3	10	8	0.002106
3	10	9	0.014215	3	10	9	0.002106
3	10	10	0.014215	3	10	10	0.002106
3	10	11	0.014215	3	10	11	0.002106
3	10	12	0.014215	3	10	12	0.002106
3	10	13	0.014215	3	10	13	0.002106
3	10	14	0.014215	3	10	14	0.002106
3	10	15	0.014215	3	10	15	0.002106
3	10	16	0.014215	3	10	16	0.002106
3	10	17	0.014215	3	10	17	0.002106
3	10	18	0.014215	3	10	18	0.002106
3	10	19	0.014215	3	10	19	0.002106
3	10	20	0.014215	3	10	20	0.002106
3	10	21	0.014215	3	10	21	0.002106
3	10	22	0.014215	3	10	22	0.002106
3	10	23	0.014215	3	10	23	0.002106
3	10	24	0.014215	3	10	24	0.002106

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	1	0.01313	3	11	1	0.001967
3	11	2	0.01313	3	11	2	0.001967
3	11	3	0.01313	3	11	3	0.001967
3	11	4	0.01313	3	11	4	0.001967
3	11	5	0.01313	3	11	5	0.001967
3	11	6	0.01313	3	11	6	0.001967
3	11	7	0.01313	3	11	7	0.001967
3	11	8	0.01313	3	11	8	0.001967
3	11	9	0.01313	3	11	9	0.001967
3	11	10	0.01313	3	11	10	0.001967
3	11	11	0.01313	3	11	11	0.001967
3	11	12	0.01313	3	11	12	0.001967
3	11	13	0.01313	3	11	13	0.001967
3	11	14	0.01313	3	11	14	0.001967
3	11	15	0.01313	3	11	15	0.001967
3	11	16	0.01313	3	11	16	0.001967
3	11	17	0.01313	3	11	17	0.001967
3	11	18	0.01313	3	11	18	0.001967
3	11	19	0.01313	3	11	19	0.001967
3	11	20	0.01313	3	11	20	0.001967
3	11	21	0.01313	3	11	21	0.001967
3	11	22	0.01313	3	11	22	0.001967
3	11	23	0.01313	3	11	23	0.001967
3	11	24	0.01313	3	11	24	0.001967

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	0.039108648	1	0	1	0.000408
1	0	2	0.039108648	1	0	2	0.000408
1	0	3	0.039108648	1	0	3	0.000408
1	0	4	0.039108648	1	0	4	0.000408
1	0	5	0.039108648	1	0	5	0.000408
1	0	6	0.039108648	1	0	6	0.000408
1	0	7	0.039108648	1	0	7	0.000408
1	0	8	0.039108648	1	0	8	0.000408
1	0	9	0.039108648	1	0	9	0.000408
1	0	10	0.039108648	1	0	10	0.000408
1	0	11	0.039108648	1	0	11	0.000408
1	0	12	0.039108648	1	0	12	0.000408
1	0	13	0.039108648	1	0	13	0.000408
1	0	14	0.039108648	1	0	14	0.000408
1	0	15	0.039108648	1	0	15	0.000408
1	0	16	0.039108648	1	0	16	0.000408
1	0	17	0.039108648	1	0	17	0.000408
1	0	18	0.039108648	1	0	18	0.000408
1	0	19	0.039108648	1	0	19	0.000408
1	0	20	0.039108648	1	0	20	0.000408
1	0	21	0.039108648	1	0	21	0.000408
1	0	22	0.039108648	1	0	22	0.000408
1	0	23	0.039108648	1	0	23	0.000408
1	0	24	0.039108648	1	0	24	0.000408
2	1	1	0.033411502	2	1	1	0.000142
2	1	2	0.033411502	2	1	2	0.000142
2	1	3	0.033411502	2	1	3	0.000142
2	1	4	0.033411502	2	1	4	0.000142
2	1	5	0.033411502	2	1	5	0.000142
2	1	6	0.033411502	2	1	6	0.000142
2	1	7	0.033411502	2	1	7	0.000142
2	1	8	0.033411502	2	1	8	0.000142
2	1	9	0.033411502	2	1	9	0.000142
2	1	10	0.033411502	2	1	10	0.000142
2	1	11	0.033411502	2	1	11	0.000142
2	1	12	0.033411502	2	1	12	0.000142
2	1	13	0.033411502	2	1	13	0.000142
2	1	14	0.033411502	2	1	14	0.000142
2	1	15	0.033411502	2	1	15	0.000142
2	1	16	0.033411502	2	1	16	0.000142
2	1	17	0.033411502	2	1	17	0.000142
2	1	18	0.033411502	2	1	18	0.000142
2	1	19	0.033411502	2	1	19	0.000142
2	1	20	0.033411502	2	1	20	0.000142
2	1	21	0.033411502	2	1	21	0.000142
2	1	22	0.033411502	2	1	22	0.000142
2	1	23	0.033411502	2	1	23	0.000142
2	1	24	0.033411502	2	1	24	0.000142

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	7	1	0.008747539	2	7	1	2.59E-05
2	7	2	0.008747539	2	7	2	2.59E-05
2	7	3	0.008747539	2	7	3	2.59E-05
2	7	4	0.008747539	2	7	4	2.59E-05
2	7	5	0.008747539	2	7	5	2.59E-05
2	7	6	0.008747539	2	7	6	2.59E-05
2	7	7	0.008747539	2	7	7	2.59E-05
2	7	8	0.008747539	2	7	8	2.59E-05
2	7	9	0.008747539	2	7	9	2.59E-05
2	7	10	0.008747539	2	7	10	2.59E-05
2	7	11	0.008747539	2	7	11	2.59E-05
2	7	12	0.008747539	2	7	12	2.59E-05
2	7	13	0.008747539	2	7	13	2.59E-05
2	7	14	0.008747539	2	7	14	2.59E-05
2	7	15	0.008747539	2	7	15	2.59E-05
2	7	16	0.008747539	2	7	16	2.59E-05
2	7	17	0.008747539	2	7	17	2.59E-05
2	7	18	0.008747539	2	7	18	2.59E-05
2	7	19	0.008747539	2	7	19	2.59E-05
2	7	20	0.008747539	2	7	20	2.59E-05
2	7	21	0.008747539	2	7	21	2.59E-05
2	7	22	0.008747539	2	7	22	2.59E-05
2	7	23	0.008747539	2	7	23	2.59E-05
2	7	24	0.008747539	2	7	24	2.59E-05
2	8	1	0.00769511	2	8	1	1.99E-05
2	8	2	0.00769511	2	8	2	1.99E-05
2	8	3	0.00769511	2	8	3	1.99E-05
2	8	4	0.00769511	2	8	4	1.99E-05
2	8	5	0.00769511	2	8	5	1.99E-05
2	8	6	0.00769511	2	8	6	1.99E-05
2	8	7	0.00769511	2	8	7	1.99E-05
2	8	8	0.00769511	2	8	8	1.99E-05
2	8	9	0.00769511	2	8	9	1.99E-05
2	8	10	0.00769511	2	8	10	1.99E-05
2	8	11	0.00769511	2	8	11	1.99E-05
2	8	12	0.00769511	2	8	12	1.99E-05
2	8	13	0.00769511	2	8	13	1.99E-05
2	8	14	0.00769511	2	8	14	1.99E-05
2	8	15	0.00769511	2	8	15	1.99E-05
2	8	16	0.00769511	2	8	16	1.99E-05
2	8	17	0.00769511	2	8	17	1.99E-05
2	8	18	0.00769511	2	8	18	1.99E-05
2	8	19	0.00769511	2	8	19	1.99E-05
2	8	20	0.00769511	2	8	20	1.99E-05
2	8	21	0.00769511	2	8	21	1.99E-05
2	8	22	0.00769511	2	8	22	1.99E-05
2	8	23	0.00769511	2	8	23	1.99E-05
2	8	24	0.00769511	2	8	24	1.99E-05

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	10	1	0.007381606	2	10	1	1.73E-05
2	10	2	0.007381606	2	10	2	1.73E-05
2	10	3	0.007381606	2	10	3	1.73E-05
2	10	4	0.007381606	2	10	4	1.73E-05
2	10	5	0.007381606	2	10	5	1.73E-05
2	10	6	0.007381605	2	10	6	1.73E-05
2	10	7	0.007381606	2	10	7	1.73E-05
2	10	8	0.007381606	2	10	8	1.73E-05
2	10	9	0.007381606	2	10	9	1.73E-05
2	10	10	0.007381606	2	10	10	1.73E-05
2	10	11	0.007381606	2	10	11	1.73E-05
2	10	12	0.007381606	2	10	12	1.73E-05
2	10	13	0.007381606	2	10	13	1.73E-05
2	10	14	0.007381605	2	10	14	1.73E-05
2	10	15	0.007381606	2	10	15	1.73E-05
2	10	16	0.007381606	2	10	16	1.73E-05
2	10	17	0.007381606	2	10	17	1.73E-05
2	10	18	0.007381606	2	10	18	1.73E-05
2	10	19	0.007381606	2	10	19	1.73E-05
2	10	20	0.007381606	2	10	20	1.73E-05
2	10	21	0.007381606	2	10	21	1.73E-05
2	10	22	0.007381606	2	10	22	1.73E-05
2	10	23	0.007381606	2	10	23	1.73E-05
2	10	24	0.007381606	2	10	24	1.73E-05
2	11	1	0.007191745	2	11	1	1.55E-05
2	11	2	0.007191745	2	11	2	1.55E-05
2	11	3	0.007191745	2	11	3	1.55E-05
2	11	4	0.007191745	2	11	4	1.55E-05
2	11	5	0.007191745	2	11	5	1.55E-05
2	11	6	0.007191745	2	11	6	1.55E-05
2	11	7	0.007191745	2	11	7	1.55E-05
2	11	8	0.007191745	2	11	8	1.55E-05
2	11	9	0.007191745	2	11	9	1.55E-05
2	11	10	0.007191745	2	11	10	1.55E-05
2	11	11	0.007191745	2	11	11	1.55E-05
2	11	12	0.007191745	2	11	12	1.55E-05
2	11	13	0.007191745	2	11	13	1.55E-05
2	11	14	0.007191745	2	11	14	1.55E-05
2	11	15	0.007191745	2	11	15	1.55E-05
2	11	16	0.007191745	2	11	16	1.55E-05
2	11	17	0.007191745	2	11	17	1.55E-05
2	11	18	0.007191745	2	11	18	1.55E-05
2	11	19	0.007191745	2	11	19	1.55E-05
2	11	20	0.007191745	2	11	20	1.55E-05
2	11	21	0.007191745	2	11	21	1.55E-05
2	11	22	0.007191745	2	11	22	1.55E-05
2	11	23	0.007191745	2	11	23	1.55E-05
2	11	24	0.007191745	2	11	24	1.55E-05

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	1	0.032494069	3	1	1	0.000146
3	1	2	0.032494069	3	1	2	0.000146
3	1	3	0.032494069	3	1	3	0.000146
3	1	4	0.032494069	3	1	4	0.000146
3	1	5	0.032494069	3	1	5	0.000146
3	1	6	0.032494069	3	1	6	0.000146
3	1	7	0.032494069	3	1	7	0.000146
3	1	8	0.032494069	3	1	8	0.000146
3	1	9	0.032494069	3	1	9	0.000146
3	1	10	0.032494069	3	1	10	0.000146
3	1	11	0.032494069	3	1	11	0.000146
3	1	12	0.032494069	3	1	12	0.000146
3	1	13	0.032494069	3	1	13	0.000146
3	1	14	0.032494069	3	1	14	0.000146
3	1	15	0.032494069	3	1	15	0.000146
3	1	16	0.032494069	3	1	16	0.000146
3	1	17	0.032494069	3	1	17	0.000146
3	1	18	0.032494069	3	1	18	0.000146
3	1	19	0.032494069	3	1	19	0.000146
3	1	20	0.032494069	3	1	20	0.000146
3	1	21	0.032494069	3	1	21	0.000146
3	1	22	0.032494069	3	1	22	0.000146
3	1	23	0.032494069	3	1	23	0.000146
3	1	24	0.032494069	3	1	24	0.000146
3	7	1	0.008763006	3	7	1	2.6E-05
3	7	2	0.008763006	3	7	2	2.6E-05
3	7	3	0.008763006	3	7	3	2.6E-05
3	7	4	0.008763006	3	7	4	2.6E-05
3	7	5	0.008763006	3	7	5	2.6E-05
3	7	6	0.008763006	3	7	6	2.6E-05
3	7	7	0.008763006	3	7	7	2.6E-05
3	7	8	0.008763006	3	7	8	2.6E-05
3	7	9	0.008763006	3	7	9	2.6E-05
3	7	10	0.008763006	3	7	10	2.6E-05
3	7	11	0.008763006	3	7	11	2.6E-05
3	7	12	0.008763006	3	7	12	2.6E-05
3	7	13	0.008763006	3	7	13	2.6E-05
3	7	14	0.008763006	3	7	14	2.6E-05
3	7	15	0.008763006	3	7	15	2.6E-05
3	7	16	0.008763006	3	7	16	2.6E-05
3	7	17	0.008763006	3	7	17	2.6E-05
3	7	18	0.008763006	3	7	18	2.6E-05
3	7	19	0.008763006	3	7	19	2.6E-05
3	7	20	0.008763006	3	7	20	2.6E-05
3	7	21	0.008763006	3	7	21	2.6E-05
3	7	22	0.008763006	3	7	22	2.6E-05
3	7	23	0.008763006	3	7	23	2.6E-05
3	7	24	0.008763006	3	7	24	2.6E-05

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	8	1	0.007811746	3	8	1	2.03E-05
3	8	2	0.007811745	3	8	2	2.03E-05
3	8	3	0.007811745	3	8	3	2.03E-05
3	8	4	0.007811745	3	8	4	2.03E-05
3	8	5	0.007811745	3	8	5	2.03E-05
3	8	6	0.007811745	3	8	6	2.03E-05
3	8	7	0.007811745	3	8	7	2.03E-05
3	8	8	0.007811745	3	8	8	2.03E-05
3	8	9	0.007811746	3	8	9	2.03E-05
3	8	10	0.007811745	3	8	10	2.03E-05
3	8	11	0.007811745	3	8	11	2.03E-05
3	8	12	0.007811745	3	8	12	2.03E-05
3	8	13	0.007811746	3	8	13	2.03E-05
3	8	14	0.007811745	3	8	14	2.03E-05
3	8	15	0.007811745	3	8	15	2.03E-05
3	8	16	0.007811745	3	8	16	2.03E-05
3	8	17	0.007811746	3	8	17	2.03E-05
3	8	18	0.007811745	3	8	18	2.03E-05
3	8	19	0.007811745	3	8	19	2.03E-05
3	8	20	0.007811745	3	8	20	2.03E-05
3	8	21	0.007811745	3	8	21	2.03E-05
3	8	22	0.007811745	3	8	22	2.03E-05
3	8	23	0.007811745	3	8	23	2.03E-05
3	8	24	0.007811745	3	8	24	2.03E-05
3	10	1	0.007443865	3	10	1	1.74E-05
3	10	2	0.007443865	3	10	2	1.74E-05
3	10	3	0.007443865	3	10	3	1.74E-05
3	10	4	0.007443865	3	10	4	1.74E-05
3	10	5	0.007443865	3	10	5	1.74E-05
3	10	6	0.007443865	3	10	6	1.74E-05
3	10	7	0.007443865	3	10	7	1.74E-05
3	10	8	0.007443865	3	10	8	1.74E-05
3	10	9	0.007443865	3	10	9	1.74E-05
3	10	10	0.007443865	3	10	10	1.74E-05
3	10	11	0.007443865	3	10	11	1.74E-05
3	10	12	0.007443865	3	10	12	1.74E-05
3	10	13	0.007443865	3	10	13	1.74E-05
3	10	14	0.007443865	3	10	14	1.74E-05
3	10	15	0.007443865	3	10	15	1.74E-05
3	10	16	0.007443865	3	10	16	1.74E-05
3	10	17	0.007443865	3	10	17	1.74E-05
3	10	18	0.007443865	3	10	18	1.74E-05
3	10	19	0.007443865	3	10	19	1.74E-05
3	10	20	0.007443865	3	10	20	1.74E-05
3	10	21	0.007443865	3	10	21	1.74E-05
3	10	22	0.007443865	3	10	22	1.74E-05
3	10	23	0.007443865	3	10	23	1.74E-05
3	10	24	0.007443865	3	10	24	1.74E-05

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	1	0.00722084	3	11	1	1.55E-05
3	11	2	0.00722084	3	11	2	1.55E-05
3	11	3	0.00722084	3	11	3	1.55E-05
3	11	4	0.00722084	3	11	4	1.55E-05
3	11	5	0.00722084	3	11	5	1.55E-05
3	11	6	0.00722084	3	11	6	1.55E-05
3	11	7	0.00722084	3	11	7	1.55E-05
3	11	8	0.00722084	3	11	8	1.55E-05
3	11	9	0.00722084	3	11	9	1.55E-05
3	11	10	0.00722084	3	11	10	1.55E-05
3	11	11	0.00722084	3	11	11	1.55E-05
3	11	12	0.00722084	3	11	12	1.55E-05
3	11	13	0.00722084	3	11	13	1.55E-05
3	11	14	0.00722084	3	11	14	1.55E-05
3	11	15	0.00722084	3	11	15	1.55E-05
3	11	16	0.00722084	3	11	16	1.55E-05
3	11	17	0.00722084	3	11	17	1.55E-05
3	11	18	0.00722084	3	11	18	1.55E-05
3	11	19	0.00722084	3	11	19	1.55E-05
3	11	20	0.00722084	3	11	20	1.55E-05
3	11	21	0.00722084	3	11	21	1.55E-05
3	11	22	0.00722084	3	11	22	1.55E-05
3	11	23	0.00722084	3	11	23	1.55E-05
3	11	24	0.00722084	3	11	24	1.55E-05

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	2.695036	1	0	1	2.479202
1	0	2	2.695036	1	0	2	2.479202
1	0	3	2.695036	1	0	3	2.479202
1	0	4	2.695036	1	0	4	2.479202
1	0	5	2.695036	1	0	5	2.479202
1	0	6	2.695036	1	0	6	2.479202
1	0	7	2.695036	1	0	7	2.479202
1	0	8	2.695036	1	0	8	2.479202
1	0	9	2.695036	1	0	9	2.479202
1	0	10	2.695036	1	0	10	2.479202
1	0	11	2.695036	1	0	11	2.479202
1	0	12	2.695036	1	0	12	2.479202
1	0	13	2.695036	1	0	13	2.479202
1	0	14	2.695036	1	0	14	2.479202
1	0	15	2.695036	1	0	15	2.479202
1	0	16	2.695036	1	0	16	2.479202
1	0	17	2.695036	1	0	17	2.479202
1	0	18	2.695036	1	0	18	2.479202
1	0	19	2.695036	1	0	19	2.479202
1	0	20	2.695036	1	0	20	2.479202
1	0	21	2.695036	1	0	21	2.479202
1	0	22	2.695036	1	0	22	2.479202
1	0	23	2.695036	1	0	23	2.479202
1	0	24	2.695036	1	0	24	2.479202
2	1	1	3.324943	2	1	1	1.631109
2	1	2	3.324943	2	1	2	1.631109
2	1	3	3.324943	2	1	3	1.631109
2	1	4	3.324943	2	1	4	1.631109
2	1	5	3.324943	2	1	5	1.631109
2	1	6	3.324943	2	1	6	1.631109
2	1	7	3.324943	2	1	7	1.631109
2	1	8	3.324943	2	1	8	1.631109
2	1	9	3.324943	2	1	9	1.631109
2	1	10	3.324943	2	1	10	1.631109
2	1	11	3.324943	2	1	11	1.631109
2	1	12	3.324943	2	1	12	1.631109
2	1	13	3.324943	2	1	13	1.631109
2	1	14	3.324943	2	1	14	1.631109
2	1	15	3.324943	2	1	15	1.631109
2	1	16	3.324943	2	1	16	1.631109
2	1	17	3.324943	2	1	17	1.631109
2	1	18	3.324943	2	1	18	1.631109
2	1	19	3.324943	2	1	19	1.631109
2	1	20	3.324943	2	1	20	1.631109
2	1	21	3.324943	2	1	21	1.631109
2	1	22	3.324943	2	1	22	1.631109
2	1	23	3.324943	2	1	23	1.631109
2	1	24	3.324943	2	1	24	1.631109

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	7	1	0.655161	2	7	1	0.355291
2	7	2	0.655161	2	7	2	0.355291
2	7	3	0.655161	2	7	3	0.355291
2	7	4	0.655161	2	7	4	0.355291
2	7	5	0.655161	2	7	5	0.355291
2	7	6	0.655161	2	7	6	0.355291
2	7	7	0.655161	2	7	7	0.355291
2	7	8	0.655161	2	7	8	0.355291
2	7	9	0.655161	2	7	9	0.355291
2	7	10	0.655161	2	7	10	0.355291
2	7	11	0.655161	2	7	11	0.355291
2	7	12	0.655161	2	7	12	0.355291
2	7	13	0.655161	2	7	13	0.355291
2	7	14	0.655161	2	7	14	0.355291
2	7	15	0.655161	2	7	15	0.355291
2	7	16	0.655161	2	7	16	0.355291
2	7	17	0.655161	2	7	17	0.355291
2	7	18	0.655161	2	7	18	0.355291
2	7	19	0.655161	2	7	19	0.355291
2	7	20	0.655161	2	7	20	0.355291
2	7	21	0.655161	2	7	21	0.355291
2	7	22	0.655161	2	7	22	0.355291
2	7	23	0.655161	2	7	23	0.355291
2	7	24	0.655161	2	7	24	0.355291
2	8	1	0.51406	2	8	1	0.278567
2	8	2	0.51406	2	8	2	0.278567
2	8	3	0.51406	2	8	3	0.278567
2	8	4	0.51406	2	8	4	0.278567
2	8	5	0.51406	2	8	5	0.278567
2	8	6	0.51406	2	8	6	0.278567
2	8	7	0.51406	2	8	7	0.278567
2	8	8	0.51406	2	8	8	0.278567
2	8	9	0.51406	2	8	9	0.278567
2	8	10	0.51406	2	8	10	0.278567
2	8	11	0.51406	2	8	11	0.278567
2	8	12	0.51406	2	8	12	0.278567
2	8	13	0.51406	2	8	13	0.278567
2	8	14	0.51406	2	8	14	0.278567
2	8	15	0.51406	2	8	15	0.278567
2	8	16	0.51406	2	8	16	0.278567
2	8	17	0.51406	2	8	17	0.278567
2	8	18	0.51406	2	8	18	0.278567
2	8	19	0.51406	2	8	19	0.278567
2	8	20	0.51406	2	8	20	0.278567
2	8	21	0.51406	2	8	21	0.278567
2	8	22	0.51406	2	8	22	0.278567
2	8	23	0.51406	2	8	23	0.278567
2	8	24	0.51406	2	8	24	0.278567

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK
2	10	1	0.369006	2	10	1	0.232477
2	10	2	0.369006	2	10	2	0.232477
2	10	3	0.369006	2	10	3	0.232477
2	10	4	0.369006	2	10	4	0.232477
2	10	5	0.369006	2	10	5	0.232477
2	10	6	0.369006	2	10	6	0.232477
2	10	7	0.369006	2	10	7	0.232477
2	10	8	0.369006	2	10	8	0.232477
2	10	9	0.369006	2	10	9	0.232477
2	10	10	0.369006	2	10	10	0.232477
2	10	11	0.369006	2	10	11	0.232477
2	10	12	0.369006	2	10	12	0.232477
2	10	13	0.369006	2	10	13	0.232477
2	10	14	0.369006	2	10	14	0.232477
2	10	15	0.369006	2	10	15	0.232477
2	10	16	0.369006	2	10	16	0.232477
2	10	17	0.369006	2	10	17	0.232477
2	10	18	0.369006	2	10	18	0.232477
2	10	19	0.369006	2	10	19	0.232477
2	10	20	0.369006	2	10	20	0.232477
2	10	21	0.369006	2	10	21	0.232477
2	10	22	0.369006	2	10	22	0.232477
2	10	23	0.369006	2	10	23	0.232477
2	10	24	0.369006	2	10	24	0.232477
2	11	1	0.304915	2	11	1	0.205102
2	11	2	0.304915	2	11	2	0.205102
2	11	3	0.304915	2	11	3	0.205102
2	11	4	0.304915	2	11	4	0.205102
2	11	5	0.304915	2	11	5	0.205102
2	11	6	0.304915	2	11	6	0.205102
2	11	7	0.304915	2	11	7	0.205102
2	11	8	0.304915	2	11	8	0.205102
2	11	9	0.304915	2	11	9	0.205102
2	11	10	0.304915	2	11	10	0.205102
2	11	11	0.304915	2	11	11	0.205102
2	11	12	0.304915	2	11	12	0.205102
2	11	13	0.304915	2	11	13	0.205102
2	11	14	0.304915	2	11	14	0.205102
2	11	15	0.304915	2	11	15	0.205102
2	11	16	0.304915	2	11	16	0.205102
2	11	17	0.304915	2	11	17	0.205102
2	11	18	0.304915	2	11	18	0.205102
2	11	19	0.304915	2	11	19	0.205102
2	11	20	0.304915	2	11	20	0.205102
2	11	21	0.304915	2	11	21	0.205102
2	11	22	0.304915	2	11	22	0.205102
2	11	23	0.304915	2	11	23	0.205102
2	11	24	0.304915	2	11	24	0.205102

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	1	3.304564	3	1	1	1.610544
3	1	2	3.304564	3	1	2	1.610544
3	1	3	3.304564	3	1	3	1.610544
3	1	4	3.304564	3	1	4	1.610544
3	1	5	3.304564	3	1	5	1.610544
3	1	6	3.304564	3	1	6	1.610544
3	1	7	3.304564	3	1	7	1.610544
3	1	8	3.304564	3	1	8	1.610544
3	1	9	3.304564	3	1	9	1.610544
3	1	10	3.304564	3	1	10	1.610544
3	1	11	3.304564	3	1	11	1.610544
3	1	12	3.304564	3	1	12	1.610544
3	1	13	3.304564	3	1	13	1.610544
3	1	14	3.304564	3	1	14	1.610544
3	1	15	3.304564	3	1	15	1.610544
3	1	16	3.304564	3	1	16	1.610544
3	1	17	3.304564	3	1	17	1.610544
3	1	18	3.304564	3	1	18	1.610544
3	1	19	3.304564	3	1	19	1.610544
3	1	20	3.304564	3	1	20	1.610544
3	1	21	3.304564	3	1	21	1.610544
3	1	22	3.304564	3	1	22	1.610544
3	1	23	3.304564	3	1	23	1.610544
3	1	24	3.304564	3	1	24	1.610544
3	7	1	0.637371	3	7	1	0.352389
3	7	2	0.637371	3	7	2	0.352389
3	7	3	0.637371	3	7	3	0.352389
3	7	4	0.637371	3	7	4	0.352389
3	7	5	0.637371	3	7	5	0.352389
3	7	6	0.637371	3	7	6	0.352389
3	7	7	0.637371	3	7	7	0.352389
3	7	8	0.637371	3	7	8	0.352389
3	7	9	0.637371	3	7	9	0.352389
3	7	10	0.637371	3	7	10	0.352389
3	7	11	0.637371	3	7	11	0.352389
3	7	12	0.637371	3	7	12	0.352389
3	7	13	0.637371	3	7	13	0.352389
3	7	14	0.637371	3	7	14	0.352389
3	7	15	0.637371	3	7	15	0.352389
3	7	16	0.637371	3	7	16	0.352389
3	7	17	0.637371	3	7	17	0.352389
3	7	18	0.637371	3	7	18	0.352389
3	7	19	0.637371	3	7	19	0.352389
3	7	20	0.637371	3	7	20	0.352389
3	7	21	0.637371	3	7	21	0.352389
3	7	22	0.637371	3	7	22	0.352389
3	7	23	0.637371	3	7	23	0.352389
3	7	24	0.637371	3	7	24	0.352389

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK
3	8	1	0.502669	3	8	1	0.278725
3	8	2	0.502669	3	8	2	0.278725
3	8	3	0.502669	3	8	3	0.278725
3	8	4	0.502669	3	8	4	0.278725
3	8	5	0.502669	3	8	5	0.278725
3	8	6	0.502669	3	8	6	0.278725
3	8	7	0.502669	3	8	7	0.278725
3	8	8	0.502669	3	8	8	0.278725
3	8	9	0.502669	3	8	9	0.278725
3	8	10	0.502669	3	8	10	0.278725
3	8	11	0.502669	3	8	11	0.278725
3	8	12	0.502669	3	8	12	0.278725
3	8	13	0.502669	3	8	13	0.278725
3	8	14	0.502669	3	8	14	0.278725
3	8	15	0.502669	3	8	15	0.278725
3	8	16	0.502669	3	8	16	0.278725
3	8	17	0.502669	3	8	17	0.278725
3	8	18	0.502669	3	8	18	0.278725
3	8	19	0.502669	3	8	19	0.278725
3	8	20	0.502669	3	8	20	0.278725
3	8	21	0.502669	3	8	21	0.278725
3	8	22	0.502669	3	8	22	0.278725
3	8	23	0.502669	3	8	23	0.278725
3	8	24	0.502669	3	8	24	0.278725
3	10	1	0.366249	3	10	1	0.232824
3	10	2	0.366249	3	10	2	0.232824
3	10	3	0.366249	3	10	3	0.232824
3	10	4	0.366249	3	10	4	0.232824
3	10	5	0.366249	3	10	5	0.232824
3	10	6	0.366249	3	10	6	0.232824
3	10	7	0.366249	3	10	7	0.232824
3	10	8	0.366249	3	10	8	0.232824
3	10	9	0.366249	3	10	9	0.232824
3	10	10	0.366249	3	10	10	0.232824
3	10	11	0.366249	3	10	11	0.232824
3	10	12	0.366249	3	10	12	0.232824
3	10	13	0.366249	3	10	13	0.232824
3	10	14	0.366249	3	10	14	0.232824
3	10	15	0.366249	3	10	15	0.232824
3	10	16	0.366249	3	10	16	0.232824
3	10	17	0.366249	3	10	17	0.232824
3	10	18	0.366249	3	10	18	0.232824
3	10	19	0.366249	3	10	19	0.232824
3	10	20	0.366249	3	10	20	0.232824
3	10	21	0.366249	3	10	21	0.232824
3	10	22	0.366249	3	10	22	0.232824
3	10	23	0.366249	3	10	23	0.232824
3	10	24	0.366249	3	10	24	0.232824

TRK Travel Emission Rate Calculation: CAC (2017)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	1	0.303627	3	11	1	0.205264
3	11	2	0.303627	3	11	2	0.205264
3	11	3	0.303627	3	11	3	0.205264
3	11	4	0.303627	3	11	4	0.205264
3	11	5	0.303627	3	11	5	0.205264
3	11	6	0.303627	3	11	6	0.205264
3	11	7	0.303627	3	11	7	0.205264
3	11	8	0.303627	3	11	8	0.205264
3	11	9	0.303627	3	11	9	0.205264
3	11	10	0.303627	3	11	10	0.205264
3	11	11	0.303627	3	11	11	0.205264
3	11	12	0.303627	3	11	12	0.205264
3	11	13	0.303627	3	11	13	0.205264
3	11	14	0.303627	3	11	14	0.205264
3	11	15	0.303627	3	11	15	0.205264
3	11	16	0.303627	3	11	16	0.205264
3	11	17	0.303627	3	11	17	0.205264
3	11	18	0.303627	3	11	18	0.205264
3	11	19	0.303627	3	11	19	0.205264
3	11	20	0.303627	3	11	20	0.205264
3	11	21	0.303627	3	11	21	0.205264
3	11	22	0.303627	3	11	22	0.205264
3	11	23	0.303627	3	11	23	0.205264
3	11	24	0.303627	3	11	24	0.205264

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	2786.570905	1	0	1	0.05102102
1	0	2	2786.570905	1	0	2	0.05102102
1	0	3	2786.570905	1	0	3	0.05102102
1	0	4	2786.570905	1	0	4	0.05102102
1	0	5	2786.570905	1	0	5	0.05102102
1	0	6	2786.570905	1	0	6	0.05102102
1	0	7	2786.570905	1	0	7	0.05102102
1	0	8	2811.473731	1	0	8	0.05102102
1	0	9	2905.234985	1	0	9	0.05102102
1	0	10	2980.268306	1	0	10	0.05102102
1	0	11	3039.584474	1	0	11	0.05102102
1	0	12	3085.191333	1	0	12	0.05102102
1	0	13	3111.373248	1	0	13	0.05102102
1	0	14	3172.707899	1	0	14	0.05102102
1	0	15	3199.503969	1	0	15	0.05102102
1	0	16	3205.769429	1	0	16	0.05102102
1	0	17	3202.582747	1	0	17	0.05102102
1	0	18	3183.830215	1	0	18	0.05102102
1	0	19	3090.028489	1	0	19	0.05102102
1	0	20	3011.495358	1	0	20	0.05102102
1	0	21	2931.378342	1	0	21	0.05102102
1	0	22	2858.703654	1	0	22	0.05102102
1	0	23	2817.289283	1	0	23	0.05102102
1	0	24	2793.141783	1	0	24	0.05102102
2	1	1	1682.998949	2	1	1	0.021999615
2	1	2	1682.998949	2	1	2	0.021999615
2	1	3	1682.998949	2	1	3	0.021999615
2	1	4	1682.998949	2	1	4	0.021999615
2	1	5	1682.998949	2	1	5	0.021999615
2	1	6	1682.998949	2	1	6	0.021999615
2	1	7	1682.998949	2	1	7	0.021999615
2	1	8	1695.044717	2	1	8	0.021999615
2	1	9	1740.399661	2	1	9	0.021999615
2	1	10	1776.696427	2	1	10	0.021999615
2	1	11	1805.380657	2	1	11	0.021999615
2	1	12	1827.447068	2	1	12	0.021999615
2	1	13	1840.108006	2	1	13	0.021999615
2	1	14	1869.779242	2	1	14	0.021999615
2	1	15	1882.736423	2	1	15	0.021999615
2	1	16	1885.767803	2	1	16	0.021999615
2	1	17	1884.227826	2	1	17	0.021999615
2	1	18	1875.156139	2	1	18	0.021999615
2	1	19	1829.786221	2	1	19	0.021999615
2	1	20	1791.794347	2	1	20	0.021999615
2	1	21	1753.046132	2	1	21	0.021999615
2	1	22	1717.891502	2	1	22	0.021999615
2	1	23	1697.859391	2	1	23	0.021999615
2	1	24	1686.176849	2	1	24	0.021999615

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
2	7	1	315.028433	2	7	1	0.001833299
2	7	2	315.028433	2	7	2	0.001833299
2	7	3	315.028433	2	7	3	0.001833299
2	7	4	315.028433	2	7	4	0.001833299
2	7	5	315.028433	2	7	5	0.001833299
2	7	6	315.028433	2	7	6	0.001833299
2	7	7	315.028433	2	7	7	0.001833299
2	7	8	316.4254105	2	7	8	0.001833299
2	7	9	321.6860062	2	7	9	0.001833299
2	7	10	325.8970223	2	7	10	0.001833299
2	7	11	329.2251109	2	7	11	0.001833299
2	7	12	331.7837711	2	7	12	0.001833299
2	7	13	333.2534445	2	7	13	0.001833299
2	7	14	336.6953248	2	7	14	0.001833299
2	7	15	338.1981014	2	7	15	0.001833299
2	7	16	338.5498843	2	7	16	0.001833299
2	7	17	338.3715808	2	7	17	0.001833299
2	7	18	337.3185905	2	7	18	0.001833299
2	7	19	332.0555857	2	7	19	0.001833299
2	7	20	327.6492558	2	7	20	0.001833299
2	7	21	323.1533662	2	7	21	0.001833299
2	7	22	319.0756062	2	7	22	0.001833299
2	7	23	316.7520497	2	7	23	0.001833299
2	7	24	315.3971248	2	7	24	0.001833299
2	8	1	306.1814315	2	8	1	0.001571398
2	8	2	306.1814315	2	8	2	0.001571398
2	8	3	306.1814315	2	8	3	0.001571398
2	8	4	306.1814315	2	8	4	0.001571398
2	8	5	306.1814315	2	8	5	0.001571398
2	8	6	306.1814315	2	8	6	0.001571398
2	8	7	306.1814315	2	8	7	0.001571398
2	8	8	307.4602669	2	8	8	0.001571398
2	8	9	312.2720592	2	8	9	0.001571398
2	8	10	316.1242872	2	8	10	0.001571398
2	8	11	319.1686639	2	8	11	0.001571398
2	8	12	321.5094011	2	8	12	0.001571398
2	8	13	322.8536658	2	8	13	0.001571398
2	8	14	326.0026819	2	8	14	0.001571398
2	8	15	327.3775449	2	8	15	0.001571398
2	8	16	327.6988932	2	8	16	0.001571398
2	8	17	327.5355678	2	8	17	0.001571398
2	8	18	326.5726319	2	8	18	0.001571398
2	8	19	321.7584305	2	8	19	0.001571398
2	8	20	317.7274149	2	8	20	0.001571398
2	8	21	313.6148773	2	8	21	0.001571398
2	8	22	309.8844005	2	8	22	0.001571398
2	8	23	307.7583458	2	8	23	0.001571398
2	8	24	306.5187262	2	8	24	0.001571398

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
2	10	1	295.9514079	2	10	1	0.001222203
2	10	2	295.9514079	2	10	2	0.001222203
2	10	3	295.9514079	2	10	3	0.001222203
2	10	4	295.9514079	2	10	4	0.001222203
2	10	5	295.9514079	2	10	5	0.001222203
2	10	6	295.9514079	2	10	6	0.001222203
2	10	7	295.9514079	2	10	7	0.001222203
2	10	8	297.0753233	2	10	8	0.001222203
2	10	9	301.3079504	2	10	9	0.001222203
2	10	10	304.6951979	2	10	10	0.001222203
2	10	11	307.3725574	2	10	11	0.001222203
2	10	12	309.4314627	2	10	12	0.001222203
2	10	13	310.6135292	2	10	13	0.001222203
2	10	14	313.3819908	2	10	14	0.001222203
2	10	15	314.5916666	2	10	15	0.001222203
2	10	16	314.8747281	2	10	16	0.001222203
2	10	17	314.7307657	2	10	17	0.001222203
2	10	18	313.8845137	2	10	18	0.001222203
2	10	19	309.6500067	2	10	19	0.001222203
2	10	20	306.1046797	2	10	20	0.001222203
2	10	21	302.4880861	2	10	21	0.001222203
2	10	22	299.2078985	2	10	22	0.001222203
2	10	23	297.3384812	2	10	23	0.001222203
2	10	24	296.2479617	2	10	24	0.001222203
2	11	1	289.577895	2	11	1	0.00109998
2	11	2	289.577895	2	11	2	0.00109998
2	11	3	289.577895	2	11	3	0.00109998
2	11	4	289.577895	2	11	4	0.00109998
2	11	5	289.577895	2	11	5	0.00109998
2	11	6	289.577895	2	11	6	0.00109998
2	11	7	289.577895	2	11	7	0.00109998
2	11	8	290.6396684	2	11	8	0.00109998
2	11	9	294.6372651	2	11	9	0.00109998
2	11	10	297.8366011	2	11	10	0.00109998
2	11	11	300.3657767	2	11	11	0.00109998
2	11	12	302.3109522	2	11	12	0.00109998
2	11	13	303.4270719	2	11	13	0.00109998
2	11	14	306.042447	2	11	14	0.00109998
2	11	15	307.185112	2	11	15	0.00109998
2	11	16	307.4521821	2	11	16	0.00109998
2	11	17	307.3159762	2	11	17	0.00109998
2	11	18	306.5163589	2	11	18	0.00109998
2	11	19	302.5174564	2	11	19	0.00109998
2	11	20	299.1682815	2	11	20	0.00109998
2	11	21	295.7518424	2	11	21	0.00109998
2	11	22	292.6532114	2	11	22	0.00109998
2	11	23	290.8873699	2	11	23	0.00109998
2	11	24	289.8575906	2	11	24	0.00109998

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	1	1	1682.998949	3	1	1	0.021999615
3	1	2	1682.998949	3	1	2	0.021999615
3	1	3	1682.998949	3	1	3	0.021999615
3	1	4	1682.998949	3	1	4	0.021999615
3	1	5	1682.998949	3	1	5	0.021999615
3	1	6	1682.998949	3	1	6	0.021999615
3	1	7	1682.998949	3	1	7	0.021999615
3	1	8	1695.044717	3	1	8	0.021999615
3	1	9	1740.399661	3	1	9	0.021999615
3	1	10	1776.696427	3	1	10	0.021999615
3	1	11	1805.380657	3	1	11	0.021999615
3	1	12	1827.447068	3	1	12	0.021999615
3	1	13	1840.108006	3	1	13	0.021999615
3	1	14	1869.779242	3	1	14	0.021999615
3	1	15	1882.736423	3	1	15	0.021999615
3	1	16	1885.767803	3	1	16	0.021999615
3	1	17	1884.227826	3	1	17	0.021999615
3	1	18	1875.156139	3	1	18	0.021999615
3	1	19	1829.786221	3	1	19	0.021999615
3	1	20	1791.794347	3	1	20	0.021999615
3	1	21	1753.046132	3	1	21	0.021999615
3	1	22	1717.891502	3	1	22	0.021999615
3	1	23	1697.859391	3	1	23	0.021999615
3	1	24	1686.176849	3	1	24	0.021999615
3	7	1	323.4448716	3	7	1	0.001833299
3	7	2	323.4448716	3	7	2	0.001833299
3	7	3	323.4448716	3	7	3	0.001833299
3	7	4	323.4448716	3	7	4	0.001833299
3	7	5	323.4448716	3	7	5	0.001833299
3	7	6	323.4448716	3	7	6	0.001833299
3	7	7	323.4448716	3	7	7	0.001833299
3	7	8	324.8432053	3	7	8	0.001833299
3	7	9	330.1094622	3	7	9	0.001833299
3	7	10	334.3242149	3	7	10	0.001833299
3	7	11	337.6560232	3	7	11	0.001833299
3	7	12	340.2176828	3	7	12	0.001833299
3	7	13	341.6881326	3	7	13	0.001833299
3	7	14	345.1332542	3	7	14	0.001833299
3	7	15	346.6385914	3	7	15	0.001833299
3	7	16	346.9911961	3	7	16	0.001833299
3	7	17	346.8110634	3	7	17	0.001833299
3	7	18	345.7581126	3	7	18	0.001833299
3	7	19	340.4898801	3	7	19	0.001833299
3	7	20	336.0780408	3	7	20	0.001833299
3	7	21	331.577987	3	7	21	0.001833299
3	7	22	327.495967	3	7	22	0.001833299
3	7	23	325.1697038	3	7	23	0.001833299
3	7	24	323.8135241	3	7	24	0.001833299

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	8	1	308.7996172	3	8	1	0.001571398
3	8	2	308.7996172	3	8	2	0.001571398
3	8	3	308.7996172	3	8	3	0.001571398
3	8	4	308.7996172	3	8	4	0.001571398
3	8	5	308.7996172	3	8	5	0.001571398
3	8	6	308.7996172	3	8	6	0.001571398
3	8	7	308.7996172	3	8	7	0.001571398
3	8	8	310.0717033	3	8	8	0.001571398
3	8	9	314.8587044	3	8	9	0.001571398
3	8	10	318.6909148	3	8	10	0.001571398
3	8	11	321.7194734	3	8	11	0.001571398
3	8	12	324.0480513	3	8	12	0.001571398
3	8	13	325.3850375	3	8	13	0.001571398
3	8	14	328.5172222	3	8	14	0.001571398
3	8	15	329.8857127	3	8	15	0.001571398
3	8	16	330.2045112	3	8	16	0.001571398
3	8	17	330.0426775	3	8	17	0.001571398
3	8	18	329.0849992	3	8	18	0.001571398
3	8	19	324.2946265	3	8	19	0.001571398
3	8	20	320.2851202	3	8	20	0.001571398
3	8	21	316.1937599	3	8	21	0.001571398
3	8	22	312.4835818	3	8	22	0.001571398
3	8	23	310.3686224	3	8	23	0.001571398
3	8	24	309.1353188	3	8	24	0.001571398
3	10	1	294.4217015	3	10	1	0.001222203
3	10	2	294.4217015	3	10	2	0.001222203
3	10	3	294.4217015	3	10	3	0.001222203
3	10	4	294.4217015	3	10	4	0.001222203
3	10	5	294.4217015	3	10	5	0.001222203
3	10	6	294.4217015	3	10	6	0.001222203
3	10	7	294.4217015	3	10	7	0.001222203
3	10	8	295.5328391	3	10	8	0.001222203
3	10	9	299.7153293	3	10	9	0.001222203
3	10	10	303.0629551	3	10	10	0.001222203
3	10	11	305.7088262	3	10	11	0.001222203
3	10	12	307.7430993	3	10	12	0.001222203
3	10	13	308.911904	3	10	13	0.001222203
3	10	14	311.647442	3	10	14	0.001222203
3	10	15	312.8434227	3	10	15	0.001222203
3	10	16	313.1229661	3	10	16	0.001222203
3	10	17	312.9810244	3	10	17	0.001222203
3	10	18	312.1437002	3	10	18	0.001222203
3	10	19	307.9592342	3	10	19	0.001222203
3	10	20	304.4556062	3	10	20	0.001222203
3	10	21	300.8817756	3	10	21	0.001222203
3	10	22	297.6394313	3	10	22	0.001222203
3	10	23	295.7925804	3	10	23	0.001222203
3	10	24	294.7148836	3	10	24	0.001222203

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	11	1	289.9391551	3	11	1	0.00109998
3	11	2	289.9391551	3	11	2	0.00109998
3	11	3	289.9391551	3	11	3	0.00109998
3	11	4	289.9391551	3	11	4	0.00109998
3	11	5	289.9391551	3	11	5	0.00109998
3	11	6	289.9391551	3	11	6	0.00109998
3	11	7	289.9391551	3	11	7	0.00109998
3	11	8	290.9956262	3	11	8	0.00109998
3	11	9	294.9729932	3	11	9	0.00109998
3	11	10	298.1566193	3	11	10	0.00109998
3	11	11	300.6728883	3	11	11	0.00109998
3	11	12	302.6075098	3	11	12	0.00109998
3	11	13	303.7178544	3	11	13	0.00109998
3	11	14	306.3203172	3	11	14	0.00109998
3	11	15	307.4568188	3	11	15	0.00109998
3	11	16	307.722825	3	11	16	0.00109998
3	11	17	307.5876773	3	11	17	0.00109998
3	11	18	306.7923491	3	11	18	0.00109998
3	11	19	302.8130064	3	11	19	0.00109998
3	11	20	299.4811738	3	11	20	0.00109998
3	11	21	296.0823638	3	11	21	0.00109998
3	11	22	292.9995835	3	11	22	0.00109998
3	11	23	291.2427927	3	11	23	0.00109998
3	11	24	290.2173533	3	11	24	0.00109998

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.029761
1	0	2	0.029761
1	0	3	0.029761
1	0	4	0.029761
1	0	5	0.029761
1	0	6	0.029761
1	0	7	0.029761
1	0	8	0.029819
1	0	9	0.030036
1	0	10	0.03021
1	0	11	0.030347
1	0	12	0.030452
1	0	13	0.030513
1	0	14	0.030655
1	0	15	0.030717
1	0	16	0.030731
1	0	17	0.030724
1	0	18	0.030681
1	0	19	0.030464
1	0	20	0.030282
1	0	21	0.030096
1	0	22	0.029928
1	0	23	0.029832
1	0	24	0.029777
2	1	1	0.054304
2	1	2	0.054304
2	1	3	0.054304
2	1	4	0.054304
2	1	5	0.054304
2	1	6	0.054304
2	1	7	0.054304
2	1	8	0.054387
2	1	9	0.054702
2	1	10	0.054954
2	1	11	0.055153
2	1	12	0.055306
2	1	13	0.055393
2	1	14	0.055599
2	1	15	0.055689
2	1	16	0.05571
2	1	17	0.055699
2	1	18	0.055637
2	1	19	0.055322
2	1	20	0.055058
2	1	21	0.05479
2	1	22	0.054546
2	1	23	0.054407
2	1	24	0.054326

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	1.084401312
1	0	2	1.084401312
1	0	3	1.084401312
1	0	4	1.084401312
1	0	5	1.084401312
1	0	6	1.084401312
1	0	7	1.084401312
1	0	8	1.087913448
1	0	9	1.101145174
1	0	10	1.111739025
1	0	11	1.12010731
1	0	12	1.126547894
1	0	13	1.130240614
1	0	14	1.138894241
1	0	15	1.142679615
1	0	16	1.143561138
1	0	17	1.143116013
1	0	18	1.140466152
1	0	19	1.127227164
1	0	20	1.116146701
1	0	21	1.104838791
1	0	22	1.09457903
1	0	23	1.088736091
1	0	24	1.085328714
2	1	1	6.873902326
2	1	2	6.873902326
2	1	3	6.873902326
2	1	4	6.873902326
2	1	5	6.873902326
2	1	6	6.873902326
2	1	7	6.873902326
2	1	8	6.994067456
2	1	9	7.446528627
2	1	10	7.808636683
2	1	11	8.094877422
2	1	12	8.314966917
2	1	13	8.441323908
2	1	14	8.73731348
2	1	15	8.866627318
2	1	16	8.896847859
2	1	17	8.881469748
2	1	18	8.790986159
2	1	19	8.338313237
2	1	20	7.959330354
2	1	21	7.572687319
2	1	22	7.222013937
2	1	23	7.022140607
2	1	24	6.905586881

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	1	0.009409
2	7	2	0.009409
2	7	3	0.009409
2	7	4	0.009409
2	7	5	0.009409
2	7	6	0.009409
2	7	7	0.009409
2	7	8	0.009433
2	7	9	0.009521
2	7	10	0.009591
2	7	11	0.009647
2	7	12	0.00969
2	7	13	0.009715
2	7	14	0.009772
2	7	15	0.009798
2	7	16	0.009804
2	7	17	0.009801
2	7	18	0.009783
2	7	19	0.009695
2	7	20	0.009621
2	7	21	0.009545
2	7	22	0.009477
2	7	23	0.009438
2	7	24	0.009415
2	8	1	0.008708
2	8	2	0.008708
2	8	3	0.008708
2	8	4	0.008708
2	8	5	0.008708
2	8	6	0.008708
2	8	7	0.008708
2	8	8	0.008729
2	8	9	0.008811
2	8	10	0.008876
2	8	11	0.008928
2	8	12	0.008968
2	8	13	0.008991
2	8	14	0.009044
2	8	15	0.009068
2	8	16	0.009073
2	8	17	0.00907
2	8	18	0.009054
2	8	19	0.008972
2	8	20	0.008904
2	8	21	0.008834
2	8	22	0.00877
2	8	23	0.008734
2	8	24	0.008713

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	7	1	1.663185656
2	7	2	1.663185656
2	7	3	1.663185656
2	7	4	1.663185656
2	7	5	1.663185656
2	7	6	1.663185656
2	7	7	1.663185656
2	7	8	1.695169481
2	7	9	1.815589346
2	7	10	1.911961566
2	7	11	1.988151619
2	7	12	2.04672381
2	7	13	2.080357394
2	7	14	2.159136236
2	7	15	2.193553386
2	7	16	2.201595441
2	7	17	2.19750656
2	7	18	2.173419908
2	7	19	2.052942293
2	7	20	1.952073564
2	7	21	1.849161918
2	7	22	1.755834745
2	7	23	1.702643661
2	7	24	1.671621379
2	8	1	1.607347919
2	8	2	1.607347919
2	8	3	1.607347919
2	8	4	1.607347919
2	8	5	1.607347919
2	8	6	1.607347919
2	8	7	1.607347919
2	8	8	1.637141833
2	8	9	1.74932939
2	8	10	1.839114424
2	8	11	1.910083967
2	8	12	1.9646557
2	8	13	1.99598348
2	8	14	2.069370589
2	8	15	2.101434317
2	8	16	2.108930511
2	8	17	2.105117206
2	8	18	2.08268046
2	8	19	1.970439937
2	8	20	1.876476748
2	8	21	1.780604768
2	8	22	1.693661307
2	8	23	1.644104769
2	8	24	1.615205137

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	1	0.007771
2	10	2	0.007771
2	10	3	0.007771
2	10	4	0.007771
2	10	5	0.007771
2	10	6	0.007771
2	10	7	0.007771
2	10	8	0.007791
2	10	9	0.007864
2	10	10	0.007922
2	10	11	0.007969
2	10	12	0.008004
2	10	13	0.008024
2	10	14	0.008072
2	10	15	0.008093
2	10	16	0.008098
2	10	17	0.008095
2	10	18	0.008081
2	10	19	0.008008
2	10	20	0.007947
2	10	21	0.007884
2	10	22	0.007828
2	10	23	0.007795
2	10	24	0.007777
2	11	1	0.007463
2	11	2	0.007463
2	11	3	0.007463
2	11	4	0.007463
2	11	5	0.007463
2	11	6	0.007463
2	11	7	0.007463
2	11	8	0.007482
2	11	9	0.007553
2	11	10	0.007609
2	11	11	0.007654
2	11	12	0.007688
2	11	13	0.007708
2	11	14	0.007754
2	11	15	0.007774
2	11	16	0.007779
2	11	17	0.007776
2	11	18	0.007762
2	11	19	0.007692
2	11	20	0.007632
2	11	21	0.007572
2	11	22	0.007518
2	11	23	0.007486
2	11	24	0.007468

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
2	10	1	1.535507942
2	10	2	1.535507942
2	10	3	1.535507942
2	10	4	1.535507942
2	10	5	1.535507942
2	10	6	1.535507942
2	10	7	1.535507942
2	10	8	1.562313363
2	10	9	1.663252944
2	10	10	1.744039348
2	10	11	1.807892853
2	10	12	1.856995355
2	10	13	1.885184641
2	10	14	1.951215258
2	10	15	1.98006355
2	10	16	1.986811595
2	10	17	1.983380076
2	10	18	1.963193184
2	10	19	1.862205478
2	10	20	1.777659682
2	10	21	1.691403729
2	10	22	1.613165594
2	10	23	1.568576217
2	10	24	1.542577524
2	11	1	1.518284943
2	11	2	1.518284943
2	11	3	1.518284943
2	11	4	1.518284943
2	11	5	1.518284943
2	11	6	1.518284943
2	11	7	1.518284943
2	11	8	1.544556415
2	11	9	1.64347204
2	11	10	1.722642667
2	11	11	1.785221763
2	11	12	1.833327907
2	11	13	1.860954454
2	11	14	1.92566648
2	11	15	1.953932333
2	11	16	1.96054687
2	11	17	1.957179177
2	11	18	1.937397595
2	11	19	1.83843863
2	11	20	1.755583078
2	11	21	1.671055246
2	11	22	1.594386339
2	11	23	1.550692487
2	11	24	1.525213363

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	1	0.054304
3	1	2	0.054304
3	1	3	0.054304
3	1	4	0.054304
3	1	5	0.054304
3	1	6	0.054304
3	1	7	0.054304
3	1	8	0.054387
3	1	9	0.054702
3	1	10	0.054954
3	1	11	0.055153
3	1	12	0.055306
3	1	13	0.055393
3	1	14	0.055599
3	1	15	0.055689
3	1	16	0.05571
3	1	17	0.055699
3	1	18	0.055637
3	1	19	0.055322
3	1	20	0.055058
3	1	21	0.05479
3	1	22	0.054546
3	1	23	0.054407
3	1	24	0.054326
3	7	1	0.010153
3	7	2	0.010153
3	7	3	0.010153
3	7	4	0.010153
3	7	5	0.010153
3	7	6	0.010153
3	7	7	0.010153
3	7	8	0.010179
3	7	9	0.010279
3	7	10	0.010359
3	7	11	0.010422
3	7	12	0.010471
3	7	13	0.010499
3	7	14	0.010564
3	7	15	0.010592
3	7	16	0.010599
3	7	17	0.010596
3	7	18	0.010576
3	7	19	0.010476
3	7	20	0.010392
3	7	21	0.010307
3	7	22	0.010229
3	7	23	0.010185
3	7	24	0.01016

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	1	1	6.873902326
3	1	2	6.873902326
3	1	3	6.873902326
3	1	4	6.873902326
3	1	5	6.873902326
3	1	6	6.873902326
3	1	7	6.873902326
3	1	8	6.994067456
3	1	9	7.446528627
3	1	10	7.808636683
3	1	11	8.094877422
3	1	12	8.314966917
3	1	13	8.441323908
3	1	14	8.73731348
3	1	15	8.866627318
3	1	16	8.896847859
3	1	17	8.881469748
3	1	18	8.790986159
3	1	19	8.338313237
3	1	20	7.959330354
3	1	21	7.572687319
3	1	22	7.222013937
3	1	23	7.022140607
3	1	24	6.905586881
3	7	1	1.810529041
3	7	2	1.810529041
3	7	3	1.810529041
3	7	4	1.810529041
3	7	5	1.810529041
3	7	6	1.810529041
3	7	7	1.810529041
3	7	8	1.847217988
3	7	9	1.985364981
3	7	10	2.095932266
3	7	11	2.18333
3	7	12	2.250531915
3	7	13	2.289110231
3	7	14	2.379488899
3	7	15	2.418974834
3	7	16	2.428199066
3	7	17	2.423502971
3	7	18	2.395869846
3	7	19	2.257660262
3	7	20	2.141941188
3	7	21	2.023890331
3	7	22	1.916813655
3	7	23	1.855792447
3	7	24	1.820204183

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	8	1	0.009207
3	8	2	0.009207
3	8	3	0.009207
3	8	4	0.009207
3	8	5	0.009207
3	8	6	0.009207
3	8	7	0.009207
3	8	8	0.009231
3	8	9	0.009321
3	8	10	0.009393
3	8	11	0.00945
3	8	12	0.009494
3	8	13	0.009519
3	8	14	0.009578
3	8	15	0.009604
3	8	16	0.00961
3	8	17	0.009607
3	8	18	0.009589
3	8	19	0.009499
3	8	20	0.009423
3	8	21	0.009346
3	8	22	0.009277
3	8	23	0.009237
3	8	24	0.009214
3	10	1	0.007942
3	10	2	0.007942
3	10	3	0.007942
3	10	4	0.007942
3	10	5	0.007942
3	10	6	0.007942
3	10	7	0.007942
3	10	8	0.007963
3	10	9	0.008039
3	10	10	0.008099
3	10	11	0.008147
3	10	12	0.008184
3	10	13	0.008205
3	10	14	0.008255
3	10	15	0.008277
3	10	16	0.008282
3	10	17	0.008279
3	10	18	0.008264
3	10	19	0.008188
3	10	20	0.008124
3	10	21	0.00806
3	10	22	0.008001
3	10	23	0.007967
3	10	24	0.007948

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	8	1	1.706385996
3	8	2	1.706385996
3	8	3	1.706385996
3	8	4	1.706385996
3	8	5	1.706385996
3	8	6	1.706385996
3	8	7	1.706385996
3	8	8	1.739576984
3	8	9	1.864542497
3	8	10	1.964553543
3	8	11	2.043610913
3	8	12	2.104394294
3	8	13	2.139291948
3	8	14	2.221044879
3	8	15	2.256759193
3	8	16	2.265107387
3	8	17	2.260859161
3	8	18	2.235867151
3	8	19	2.110844338
3	8	20	2.00617074
3	8	21	1.899387185
3	8	22	1.802528524
3	8	23	1.747329329
3	8	24	1.715137933
3	10	1	1.551090971
3	10	2	1.551090971
3	10	3	1.551090971
3	10	4	1.551090971
3	10	5	1.551090971
3	10	6	1.551090971
3	10	7	1.551090971
3	10	8	1.578635002
3	10	9	1.682339681
3	10	10	1.765337466
3	10	11	1.830943303
3	10	12	1.881385127
3	10	13	1.910347132
3	10	14	1.978191036
3	10	15	2.007834557
3	10	16	2.014767494
3	10	17	2.011240348
3	10	18	1.990495518
3	10	19	1.886742207
3	10	20	1.799881301
3	10	21	1.711257837
3	10	22	1.630874566
3	10	23	1.585067832
3	10	24	1.558355042

CAR Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	11	1	0.007528
3	11	2	0.007528
3	11	3	0.007528
3	11	4	0.007528
3	11	5	0.007528
3	11	6	0.007528
3	11	7	0.007528
3	11	8	0.007547
3	11	9	0.007618
3	11	10	0.007676
3	11	11	0.007721
3	11	12	0.007755
3	11	13	0.007775
3	11	14	0.007822
3	11	15	0.007842
3	11	16	0.007847
3	11	17	0.007845
3	11	18	0.007831
3	11	19	0.007759
3	11	20	0.007699
3	11	21	0.007638
3	11	22	0.007583
3	11	23	0.007551
3	11	24	0.007533

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR
3	11	1	1.513814023
3	11	2	1.513814023
3	11	3	1.513814023
3	11	4	1.513814023
3	11	5	1.513814023
3	11	6	1.513814023
3	11	7	1.513814023
3	11	8	1.539893492
3	11	9	1.638086396
3	11	10	1.716670911
3	11	11	1.778797936
3	11	12	1.826554133
3	11	13	1.853981837
3	11	14	1.918213759
3	11	15	1.946279754
3	11	16	1.952837038
3	11	17	1.949502784
3	11	18	1.929862171
3	11	19	1.831617344
3	11	20	1.749373183
3	11	21	1.665465975
3	11	22	1.589360325
3	11	23	1.545986299
3	11	24	1.520691888

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.107545647	1	0	1	0.002525
1	0	2	0.107545647	1	0	2	0.002525
1	0	3	0.107545647	1	0	3	0.002525
1	0	4	0.107545647	1	0	4	0.002525
1	0	5	0.107545647	1	0	5	0.002525
1	0	6	0.107545647	1	0	6	0.002525
1	0	7	0.107545647	1	0	7	0.002525
1	0	8	0.107545647	1	0	8	0.00253
1	0	9	0.142940473	1	0	9	0.002548
1	0	10	0.176638416	1	0	10	0.002563
1	0	11	0.20331497	1	0	11	0.002574
1	0	12	0.223016606	1	0	12	0.002583
1	0	13	0.235597259	1	0	13	0.002588
1	0	14	0.263458241	1	0	14	0.0026
1	0	15	0.276125388	1	0	15	0.002606
1	0	16	0.279504945	1	0	16	0.002607
1	0	17	0.277524942	1	0	17	0.002606
1	0	18	0.269479786	1	0	18	0.002603
1	0	19	0.228316069	1	0	19	0.002584
1	0	20	0.192167911	1	0	20	0.002569
1	0	21	0.156600422	1	0	21	0.002553
1	0	22	0.123945824	1	0	22	0.002539
1	0	23	0.107545647	1	0	23	0.002531
1	0	24	0.107545647	1	0	24	0.002526
2	1	1	0.117522869	2	1	1	0.013844
2	1	2	0.117522869	2	1	2	0.013843
2	1	3	0.117522869	2	1	3	0.013841
2	1	4	0.117522869	2	1	4	0.01384
2	1	5	0.117522869	2	1	5	0.013842
2	1	6	0.117522869	2	1	6	0.013845
2	1	7	0.117522869	2	1	7	0.013842
2	1	8	0.117522869	2	1	8	0.013854
2	1	9	0.119618437	2	1	9	0.0139
2	1	10	0.12689047	2	1	10	0.013947
2	1	11	0.13275943	2	1	11	0.013992
2	1	12	0.137089842	2	1	12	0.014032
2	1	13	0.140043491	2	1	13	0.014058
2	1	14	0.146367401	2	1	14	0.014087
2	1	15	0.149297812	2	1	15	0.014119
2	1	16	0.1501245	2	1	16	0.01413
2	1	17	0.149615433	2	1	17	0.014126
2	1	18	0.147847632	2	1	18	0.014103
2	1	19	0.13872365	2	1	19	0.014043
2	1	20	0.130491543	2	1	20	0.013976
2	1	21	0.12290291	2	1	21	0.013921
2	1	22	0.117522869	2	1	22	0.01388
2	1	23	0.117522869	2	1	23	0.013859
2	1	24	0.117522869	2	1	24	0.013849

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
2	7	1	0.040064695	2	7	1	0.002016
2	7	2	0.040064695	2	7	2	0.002016
2	7	3	0.040064695	2	7	3	0.002016
2	7	4	0.040064695	2	7	4	0.002015
2	7	5	0.040064695	2	7	5	0.002016
2	7	6	0.040064695	2	7	6	0.002016
2	7	7	0.040064695	2	7	7	0.002016
2	7	8	0.040064695	2	7	8	0.002018
2	7	9	0.040064695	2	7	9	0.002028
2	7	10	0.040064695	2	7	10	0.002037
2	7	11	0.040064695	2	7	11	0.002044
2	7	12	0.040064695	2	7	12	0.002051
2	7	13	0.040064695	2	7	13	0.002054
2	7	14	0.040064695	2	7	14	0.002061
2	7	15	0.040064695	2	7	15	0.002065
2	7	16	0.040064695	2	7	16	0.002066
2	7	17	0.040064695	2	7	17	0.002066
2	7	18	0.040064695	2	7	18	0.002063
2	7	19	0.040064695	2	7	19	0.002052
2	7	20	0.040064695	2	7	20	0.002041
2	7	21	0.040064695	2	7	21	0.002031
2	7	22	0.040064695	2	7	22	0.002023
2	7	23	0.040064695	2	7	23	0.002019
2	7	24	0.040064695	2	7	24	0.002017
2	8	1	0.043876252	2	8	1	0.001866
2	8	2	0.043876252	2	8	2	0.001866
2	8	3	0.043876252	2	8	3	0.001866
2	8	4	0.043876252	2	8	4	0.001866
2	8	5	0.043876252	2	8	5	0.001866
2	8	6	0.043876252	2	8	6	0.001866
2	8	7	0.043876252	2	8	7	0.001866
2	8	8	0.043876252	2	8	8	0.001868
2	8	9	0.043876252	2	8	9	0.001877
2	8	10	0.043876252	2	8	10	0.001885
2	8	11	0.043876252	2	8	11	0.001892
2	8	12	0.043876252	2	8	12	0.001898
2	8	13	0.043876252	2	8	13	0.001901
2	8	14	0.043876252	2	8	14	0.001907
2	8	15	0.043876252	2	8	15	0.001911
2	8	16	0.043876252	2	8	16	0.001912
2	8	17	0.043876252	2	8	17	0.001911
2	8	18	0.043876252	2	8	18	0.001909
2	8	19	0.043876252	2	8	19	0.001899
2	8	20	0.043876252	2	8	20	0.001889
2	8	21	0.043876252	2	8	21	0.00188
2	8	22	0.043876252	2	8	22	0.001873
2	8	23	0.043876252	2	8	23	0.001869
2	8	24	0.043876252	2	8	24	0.001867

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
2	10	1	0.049407141	2	10	1	0.00167
2	10	2	0.049407141	2	10	2	0.00167
2	10	3	0.049407141	2	10	3	0.001669
2	10	4	0.049407141	2	10	4	0.001669
2	10	5	0.049407141	2	10	5	0.00167
2	10	6	0.049407141	2	10	6	0.00167
2	10	7	0.049407141	2	10	7	0.00167
2	10	8	0.049407141	2	10	8	0.001672
2	10	9	0.049407141	2	10	9	0.00168
2	10	10	0.049407141	2	10	10	0.001686
2	10	11	0.049407141	2	10	11	0.001692
2	10	12	0.049407141	2	10	12	0.001697
2	10	13	0.049407141	2	10	13	0.0017
2	10	14	0.049407141	2	10	14	0.001705
2	10	15	0.049407141	2	10	15	0.001709
2	10	16	0.049407141	2	10	16	0.00171
2	10	17	0.049407141	2	10	17	0.001709
2	10	18	0.049407141	2	10	18	0.001707
2	10	19	0.049407141	2	10	19	0.001698
2	10	20	0.049407141	2	10	20	0.00169
2	10	21	0.049407141	2	10	21	0.001682
2	10	22	0.049407141	2	10	22	0.001676
2	10	23	0.049407141	2	10	23	0.001672
2	10	24	0.049407141	2	10	24	0.00167
2	11	1	0.049952343	2	11	1	0.001604
2	11	2	0.049952343	2	11	2	0.001604
2	11	3	0.049952343	2	11	3	0.001603
2	11	4	0.049952343	2	11	4	0.001603
2	11	5	0.049952343	2	11	5	0.001604
2	11	6	0.049952343	2	11	6	0.001604
2	11	7	0.049952343	2	11	7	0.001604
2	11	8	0.049952343	2	11	8	0.001606
2	11	9	0.049952343	2	11	9	0.001613
2	11	10	0.049952343	2	11	10	0.00162
2	11	11	0.049952343	2	11	11	0.001625
2	11	12	0.049952343	2	11	12	0.00163
2	11	13	0.049952343	2	11	13	0.001633
2	11	14	0.049952343	2	11	14	0.001638
2	11	15	0.049952343	2	11	15	0.001641
2	11	16	0.049952343	2	11	16	0.001642
2	11	17	0.049952343	2	11	17	0.001641
2	11	18	0.049952343	2	11	18	0.001639
2	11	19	0.049952343	2	11	19	0.001631
2	11	20	0.049952343	2	11	20	0.001623
2	11	21	0.049952343	2	11	21	0.001616
2	11	22	0.049952343	2	11	22	0.00161
2	11	23	0.049952343	2	11	23	0.001606
2	11	24	0.049952343	2	11	24	0.001604

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	1	1	33.58951082	3	1	1	0.013844
3	1	2	33.58951082	3	1	2	0.013843
3	1	3	33.58951082	3	1	3	0.013841
3	1	4	33.58951082	3	1	4	0.01384
3	1	5	33.58951082	3	1	5	0.013842
3	1	6	33.58951082	3	1	6	0.013845
3	1	7	33.58951082	3	1	7	0.013842
3	1	8	33.58951082	3	1	8	0.013854
3	1	9	33.59160638	3	1	9	0.0139
3	1	10	33.59887842	3	1	10	0.013947
3	1	11	33.60474738	3	1	11	0.013992
3	1	12	33.60907779	3	1	12	0.014032
3	1	13	33.61203144	3	1	13	0.014058
3	1	14	33.61835535	3	1	14	0.014087
3	1	15	33.62128576	3	1	15	0.014119
3	1	16	33.62211245	3	1	16	0.01413
3	1	17	33.62160338	3	1	17	0.014126
3	1	18	33.61983558	3	1	18	0.014103
3	1	19	33.6107116	3	1	19	0.014043
3	1	20	33.60247949	3	1	20	0.013976
3	1	21	33.59489086	3	1	21	0.013921
3	1	22	33.58951082	3	1	22	0.01388
3	1	23	33.58951082	3	1	23	0.013859
3	1	24	33.58951082	3	1	24	0.013849
3	7	1	0.038386513	3	7	1	0.002082
3	7	2	0.038386513	3	7	2	0.002082
3	7	3	0.038386513	3	7	3	0.002081
3	7	4	0.038386513	3	7	4	0.002081
3	7	5	0.038386513	3	7	5	0.002081
3	7	6	0.038386513	3	7	6	0.002082
3	7	7	0.038386513	3	7	7	0.002081
3	7	8	0.038386513	3	7	8	0.002084
3	7	9	0.038386513	3	7	9	0.002095
3	7	10	0.038386513	3	7	10	0.002105
3	7	11	0.038386513	3	7	11	0.002113
3	7	12	0.038386513	3	7	12	0.00212
3	7	13	0.038386513	3	7	13	0.002124
3	7	14	0.038386513	3	7	14	0.002131
3	7	15	0.038386513	3	7	15	0.002136
3	7	16	0.038386513	3	7	16	0.002137
3	7	17	0.038386513	3	7	17	0.002137
3	7	18	0.038386513	3	7	18	0.002133
3	7	19	0.038386513	3	7	19	0.002121
3	7	20	0.038386513	3	7	20	0.00211
3	7	21	0.038386513	3	7	21	0.002099
3	7	22	0.038386513	3	7	22	0.00209
3	7	23	0.038386513	3	7	23	0.002085
3	7	24	0.038386513	3	7	24	0.002083

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	8	1	0.04194836	3	8	1	0.001907
3	8	2	0.04194836	3	8	2	0.001907
3	8	3	0.04194836	3	8	3	0.001906
3	8	4	0.04194836	3	8	4	0.001906
3	8	5	0.04194836	3	8	5	0.001907
3	8	6	0.04194836	3	8	6	0.001907
3	8	7	0.04194836	3	8	7	0.001907
3	8	8	0.04194836	3	8	8	0.001909
3	8	9	0.04194836	3	8	9	0.001919
3	8	10	0.04194836	3	8	10	0.001928
3	8	11	0.04194836	3	8	11	0.001935
3	8	12	0.04194836	3	8	12	0.001941
3	8	13	0.04194836	3	8	13	0.001945
3	8	14	0.04194836	3	8	14	0.001951
3	8	15	0.04194836	3	8	15	0.001955
3	8	16	0.04194836	3	8	16	0.001956
3	8	17	0.04194836	3	8	17	0.001956
3	8	18	0.04194836	3	8	18	0.001953
3	8	19	0.04194836	3	8	19	0.001942
3	8	20	0.04194836	3	8	20	0.001932
3	8	21	0.04194836	3	8	21	0.001922
3	8	22	0.04194836	3	8	22	0.001914
3	8	23	0.04194836	3	8	23	0.00191
3	8	24	0.04194836	3	8	24	0.001908
3	10	1	0.048634241	3	10	1	0.001679
3	10	2	0.048634241	3	10	2	0.001679
3	10	3	0.048634241	3	10	3	0.001679
3	10	4	0.048634241	3	10	4	0.001679
3	10	5	0.048634241	3	10	5	0.001679
3	10	6	0.048634241	3	10	6	0.001679
3	10	7	0.048634241	3	10	7	0.001679
3	10	8	0.048634241	3	10	8	0.001681
3	10	9	0.048634241	3	10	9	0.001689
3	10	10	0.048634241	3	10	10	0.001696
3	10	11	0.048634241	3	10	11	0.001702
3	10	12	0.048634241	3	10	12	0.001707
3	10	13	0.048634241	3	10	13	0.00171
3	10	14	0.048634241	3	10	14	0.001715
3	10	15	0.048634241	3	10	15	0.001719
3	10	16	0.048634241	3	10	16	0.00172
3	10	17	0.048634241	3	10	17	0.001719
3	10	18	0.048634241	3	10	18	0.001717
3	10	19	0.048634241	3	10	19	0.001708
3	10	20	0.048634241	3	10	20	0.0017
3	10	21	0.048634241	3	10	21	0.001692
3	10	22	0.048634241	3	10	22	0.001685
3	10	23	0.048634241	3	10	23	0.001681
3	10	24	0.048634241	3	10	24	0.001679

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	11	1	0.05070349	3	11	1	0.001603
3	11	2	0.05070349	3	11	2	0.001603
3	11	3	0.05070349	3	11	3	0.001603
3	11	4	0.05070349	3	11	4	0.001603
3	11	5	0.05070349	3	11	5	0.001603
3	11	6	0.05070349	3	11	6	0.001603
3	11	7	0.05070349	3	11	7	0.001603
3	11	8	0.05070349	3	11	8	0.001605
3	11	9	0.05070349	3	11	9	0.001612
3	11	10	0.05070349	3	11	10	0.001619
3	11	11	0.05070349	3	11	11	0.001625
3	11	12	0.05070349	3	11	12	0.001629
3	11	13	0.05070349	3	11	13	0.001632
3	11	14	0.05070349	3	11	14	0.001637
3	11	15	0.05070349	3	11	15	0.00164
3	11	16	0.05070349	3	11	16	0.001641
3	11	17	0.05070349	3	11	17	0.001641
3	11	18	0.05070349	3	11	18	0.001639
3	11	19	0.05070349	3	11	19	0.00163
3	11	20	0.05070349	3	11	20	0.001622
3	11	21	0.05070349	3	11	21	0.001615
3	11	22	0.05070349	3	11	22	0.001609
3	11	23	0.05070349	3	11	23	0.001605
3	11	24	0.05070349	3	11	24	0.001603

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR
1	0	1	0	1	0	1	0.00102
1	0	2	0	1	0	2	0.00102
1	0	3	0	1	0	3	0.00102
1	0	4	0	1	0	4	0.00102
1	0	5	0	1	0	5	0.00102
1	0	6	0	1	0	6	0.00102
1	0	7	0	1	0	7	0.00102
1	0	8	0	1	0	8	0.001022
1	0	9	0	1	0	9	0.00103
1	0	10	0	1	0	10	0.001036
1	0	11	0	1	0	11	0.00104
1	0	12	0	1	0	12	0.001044
1	0	13	0	1	0	13	0.001046
1	0	14	0	1	0	14	0.001051
1	0	15	0	1	0	15	0.001053
1	0	16	0	1	0	16	0.001053
1	0	17	0	1	0	17	0.001053
1	0	18	0	1	0	18	0.001052
1	0	19	0	1	0	19	0.001044
1	0	20	0	1	0	20	0.001038
1	0	21	0	1	0	21	0.001032
1	0	22	0	1	0	22	0.001026
1	0	23	0	1	0	23	0.001023
1	0	24	0	1	0	24	0.001021
2	1	1	0	2	1	1	0.003853
2	1	2	0	2	1	2	0.003853
2	1	3	0	2	1	3	0.003853
2	1	4	0	2	1	4	0.003853
2	1	5	0	2	1	5	0.003853
2	1	6	0	2	1	6	0.003853
2	1	7	0	2	1	7	0.003853
2	1	8	0	2	1	8	0.003856
2	1	9	0	2	1	9	0.003867
2	1	10	0	2	1	10	0.003876
2	1	11	0	2	1	11	0.003883
2	1	12	0	2	1	12	0.003888
2	1	13	0	2	1	13	0.003891
2	1	14	0	2	1	14	0.003898
2	1	15	0	2	1	15	0.003901
2	1	16	0	2	1	16	0.003902
2	1	17	0	2	1	17	0.003901
2	1	18	0	2	1	18	0.003899
2	1	19	0	2	1	19	0.003888
2	1	20	0	2	1	20	0.003879
2	1	21	0	2	1	21	0.00387
2	1	22	0	2	1	22	0.003862
2	1	23	0	2	1	23	0.003857
2	1	24	0	2	1	24	0.003854

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
2	7	1	0	2	7	1	0.000592
2	7	2	0	2	7	2	0.000592
2	7	3	0	2	7	3	0.000592
2	7	4	0	2	7	4	0.000592
2	7	5	0	2	7	5	0.000592
2	7	6	0	2	7	6	0.000592
2	7	7	0	2	7	7	0.000592
2	7	8	0	2	7	8	0.000593
2	7	9	0	2	7	9	0.000596
2	7	10	0	2	7	10	0.000598
2	7	11	0	2	7	11	0.0006
2	7	12	0	2	7	12	0.000601
2	7	13	0	2	7	13	0.000602
2	7	14	0	2	7	14	0.000604
2	7	15	0	2	7	15	0.000605
2	7	16	0	2	7	16	0.000605
2	7	17	0	2	7	17	0.000605
2	7	18	0	2	7	18	0.000604
2	7	19	0	2	7	19	0.000601
2	7	20	0	2	7	20	0.000599
2	7	21	0	2	7	21	0.000596
2	7	22	0	2	7	22	0.000594
2	7	23	0	2	7	23	0.000593
2	7	24	0	2	7	24	0.000592
2	8	1	0	2	8	1	0.00055
2	8	2	0	2	8	2	0.00055
2	8	3	0	2	8	3	0.00055
2	8	4	0	2	8	4	0.00055
2	8	5	0	2	8	5	0.00055
2	8	6	0	2	8	6	0.00055
2	8	7	0	2	8	7	0.00055
2	8	8	0	2	8	8	0.000551
2	8	9	0	2	8	9	0.000553
2	8	10	0	2	8	10	0.000556
2	8	11	0	2	8	11	0.000557
2	8	12	0	2	8	12	0.000559
2	8	13	0	2	8	13	0.000559
2	8	14	0	2	8	14	0.000561
2	8	15	0	2	8	15	0.000562
2	8	16	0	2	8	16	0.000562
2	8	17	0	2	8	17	0.000562
2	8	18	0	2	8	18	0.000561
2	8	19	0	2	8	19	0.000559
2	8	20	0	2	8	20	0.000556
2	8	21	0	2	8	21	0.000554
2	8	22	0	2	8	22	0.000552
2	8	23	0	2	8	23	0.000551
2	8	24	0	2	8	24	0.00055

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR
2	10	1	0	2	10	1	0.000495
2	10	2	0	2	10	2	0.000495
2	10	3	0	2	10	3	0.000495
2	10	4	0	2	10	4	0.000495
2	10	5	0	2	10	5	0.000495
2	10	6	0	2	10	6	0.000495
2	10	7	0	2	10	7	0.000495
2	10	8	0	2	10	8	0.000496
2	10	9	0	2	10	9	0.000498
2	10	10	0	2	10	10	0.0005
2	10	11	0	2	10	11	0.000502
2	10	12	0	2	10	12	0.000503
2	10	13	0	2	10	13	0.000503
2	10	14	0	2	10	14	0.000505
2	10	15	0	2	10	15	0.000506
2	10	16	0	2	10	16	0.000506
2	10	17	0	2	10	17	0.000506
2	10	18	0	2	10	18	0.000505
2	10	19	0	2	10	19	0.000503
2	10	20	0	2	10	20	0.000501
2	10	21	0	2	10	21	0.000499
2	10	22	0	2	10	22	0.000497
2	10	23	0	2	10	23	0.000496
2	10	24	0	2	10	24	0.000495
2	11	1	0	2	11	1	0.000477
2	11	2	0	2	11	2	0.000477
2	11	3	0	2	11	3	0.000477
2	11	4	0	2	11	4	0.000477
2	11	5	0	2	11	5	0.000477
2	11	6	0	2	11	6	0.000477
2	11	7	0	2	11	7	0.000477
2	11	8	0	2	11	8	0.000477
2	11	9	0	2	11	9	0.00048
2	11	10	0	2	11	10	0.000482
2	11	11	0	2	11	11	0.000483
2	11	12	0	2	11	12	0.000484
2	11	13	0	2	11	13	0.000485
2	11	14	0	2	11	14	0.000486
2	11	15	0	2	11	15	0.000487
2	11	16	0	2	11	16	0.000487
2	11	17	0	2	11	17	0.000487
2	11	18	0	2	11	18	0.000486
2	11	19	0	2	11	19	0.000484
2	11	20	0	2	11	20	0.000482
2	11	21	0	2	11	21	0.00048
2	11	22	0	2	11	22	0.000479
2	11	23	0	2	11	23	0.000478
2	11	24	0	2	11	24	0.000477

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
RoadTypeID	AverageSpeedID	HourID	G/VKT CAR	RoadTypeID	AverageSpeedID	HourID	G/VKT CAR
3	1	1	0	3	1	1	0.003853
3	1	2	0	3	1	2	0.003853
3	1	3	0	3	1	3	0.003853
3	1	4	0	3	1	4	0.003853
3	1	5	0	3	1	5	0.003853
3	1	6	0	3	1	6	0.003853
3	1	7	0	3	1	7	0.003853
3	1	8	0	3	1	8	0.003856
3	1	9	0	3	1	9	0.003867
3	1	10	0	3	1	10	0.003876
3	1	11	0	3	1	11	0.003883
3	1	12	0	3	1	12	0.003888
3	1	13	0	3	1	13	0.003891
3	1	14	0	3	1	14	0.003898
3	1	15	0	3	1	15	0.003901
3	1	16	0	3	1	16	0.003902
3	1	17	0	3	1	17	0.003901
3	1	18	0	3	1	18	0.003899
3	1	19	0	3	1	19	0.003888
3	1	20	0	3	1	20	0.003879
3	1	21	0	3	1	21	0.00387
3	1	22	0	3	1	22	0.003862
3	1	23	0	3	1	23	0.003857
3	1	24	0	3	1	24	0.003854
3	7	1	0	3	7	1	0.000614
3	7	2	0	3	7	2	0.000614
3	7	3	0	3	7	3	0.000614
3	7	4	0	3	7	4	0.000614
3	7	5	0	3	7	5	0.000614
3	7	6	0	3	7	6	0.000614
3	7	7	0	3	7	7	0.000614
3	7	8	0	3	7	8	0.000615
3	7	9	0	3	7	9	0.000618
3	7	10	0	3	7	10	0.000621
3	7	11	0	3	7	11	0.000623
3	7	12	0	3	7	12	0.000625
3	7	13	0	3	7	13	0.000626
3	7	14	0	3	7	14	0.000628
3	7	15	0	3	7	15	0.000629
3	7	16	0	3	7	16	0.000629
3	7	17	0	3	7	17	0.000629
3	7	18	0	3	7	18	0.000628
3	7	19	0	3	7	19	0.000625
3	7	20	0	3	7	20	0.000622
3	7	21	0	3	7	21	0.000619
3	7	22	0	3	7	22	0.000617
3	7	23	0	3	7	23	0.000615
3	7	24	0	3	7	24	0.000615

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	8	1	0	3	8	1	0.000564
3	8	2	0	3	8	2	0.000564
3	8	3	0	3	8	3	0.000564
3	8	4	0	3	8	4	0.000564
3	8	5	0	3	8	5	0.000564
3	8	6	0	3	8	6	0.000564
3	8	7	0	3	8	7	0.000564
3	8	8	0	3	8	8	0.000565
3	8	9	0	3	8	9	0.000568
3	8	10	0	3	8	10	0.00057
3	8	11	0	3	8	11	0.000572
3	8	12	0	3	8	12	0.000573
3	8	13	0	3	8	13	0.000574
3	8	14	0	3	8	14	0.000576
3	8	15	0	3	8	15	0.000577
3	8	16	0	3	8	16	0.000577
3	8	17	0	3	8	17	0.000577
3	8	18	0	3	8	18	0.000576
3	8	19	0	3	8	19	0.000574
3	8	20	0	3	8	20	0.000571
3	8	21	0	3	8	21	0.000569
3	8	22	0	3	8	22	0.000566
3	8	23	0	3	8	23	0.000565
3	8	24	0	3	8	24	0.000564
3	10	1	0	3	10	1	0.000498
3	10	2	0	3	10	2	0.000498
3	10	3	0	3	10	3	0.000498
3	10	4	0	3	10	4	0.000498
3	10	5	0	3	10	5	0.000498
3	10	6	0	3	10	6	0.000498
3	10	7	0	3	10	7	0.000498
3	10	8	0	3	10	8	0.000499
3	10	9	0	3	10	9	0.000502
3	10	10	0	3	10	10	0.000504
3	10	11	0	3	10	11	0.000505
3	10	12	0	3	10	12	0.000506
3	10	13	0	3	10	13	0.000507
3	10	14	0	3	10	14	0.000509
3	10	15	0	3	10	15	0.000509
3	10	16	0	3	10	16	0.000509
3	10	17	0	3	10	17	0.000509
3	10	18	0	3	10	18	0.000509
3	10	19	0	3	10	19	0.000506
3	10	20	0	3	10	20	0.000504
3	10	21	0	3	10	21	0.000502
3	10	22	0	3	10	22	0.0005
3	10	23	0	3	10	23	0.000499
3	10	24	0	3	10	24	0.000499

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	11	1	0	3	11	1	0.000477
3	11	2	0	3	11	2	0.000477
3	11	3	0	3	11	3	0.000477
3	11	4	0	3	11	4	0.000477
3	11	5	0	3	11	5	0.000477
3	11	6	0	3	11	6	0.000477
3	11	7	0	3	11	7	0.000477
3	11	8	0	3	11	8	0.000477
3	11	9	0	3	11	9	0.00048
3	11	10	0	3	11	10	0.000482
3	11	11	0	3	11	11	0.000483
3	11	12	0	3	11	12	0.000484
3	11	13	0	3	11	13	0.000485
3	11	14	0	3	11	14	0.000486
3	11	15	0	3	11	15	0.000487
3	11	16	0	3	11	16	0.000487
3	11	17	0	3	11	17	0.000487
3	11	18	0	3	11	18	0.000486
3	11	19	0	3	11	19	0.000484
3	11	20	0	3	11	20	0.000482
3	11	21	0	3	11	21	0.00048
3	11	22	0	3	11	22	0.000479
3	11	23	0	3	11	23	0.000478
3	11	24	0	3	11	24	0.000477

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.000723	1	0	1	7.11947E-05
1	0	2	0.000723	1	0	2	7.11947E-05
1	0	3	0.000723	1	0	3	7.11947E-05
1	0	4	0.000723	1	0	4	7.11947E-05
1	0	5	0.000723	1	0	5	7.11947E-05
1	0	6	0.000723	1	0	6	7.11947E-05
1	0	7	0.000723	1	0	7	7.11947E-05
1	0	8	0.000724	1	0	8	7.13322E-05
1	0	9	0.00073	1	0	9	7.185E-05
1	0	10	0.000734	1	0	10	7.22643E-05
1	0	11	0.000737	1	0	11	7.25921E-05
1	0	12	0.00074	1	0	12	7.28437E-05
1	0	13	0.000741	1	0	13	7.29887E-05
1	0	14	0.000745	1	0	14	7.33273E-05
1	0	15	0.000746	1	0	15	7.34753E-05
1	0	16	0.000746	1	0	16	7.351E-05
1	0	17	0.000746	1	0	17	7.34923E-05
1	0	18	0.000745	1	0	18	7.33888E-05
1	0	19	0.00074	1	0	19	7.28706E-05
1	0	20	0.000735	1	0	20	7.2437E-05
1	0	21	0.000731	1	0	21	7.19943E-05
1	0	22	0.000727	1	0	22	7.15929E-05
1	0	23	0.000725	1	0	23	7.13641E-05
1	0	24	0.000723	1	0	24	7.12309E-05
2	1	1	0.001836	2	1	1	0.000200676
2	1	2	0.001836	2	1	2	0.000200676
2	1	3	0.001836	2	1	3	0.000200676
2	1	4	0.001836	2	1	4	0.000200676
2	1	5	0.001836	2	1	5	0.000200676
2	1	6	0.001836	2	1	6	0.000200676
2	1	7	0.001836	2	1	7	0.000200676
2	1	8	0.001838	2	1	8	0.000200858
2	1	9	0.001845	2	1	9	0.000201543
2	1	10	0.00185	2	1	10	0.000202091
2	1	11	0.001854	2	1	11	0.000202524
2	1	12	0.001858	2	1	12	0.000202857
2	1	13	0.001859	2	1	13	0.000203049
2	1	14	0.001864	2	1	14	0.000203497
2	1	15	0.001866	2	1	15	0.000203693
2	1	16	0.001866	2	1	16	0.000203738
2	1	17	0.001866	2	1	17	0.000203715
2	1	18	0.001865	2	1	18	0.000203578
2	1	19	0.001858	2	1	19	0.000202893
2	1	20	0.001852	2	1	20	0.000202319
2	1	21	0.001846	2	1	21	0.000201734
2	1	22	0.001841	2	1	22	0.000201203
2	1	23	0.001838	2	1	23	0.0002009
2	1	24	0.001837	2	1	24	0.000200724

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
2	7	1	0.000278	2	7	1	3.05508E-05
2	7	2	0.000278	2	7	2	3.05508E-05
2	7	3	0.000278	2	7	3	3.05508E-05
2	7	4	0.000278	2	7	4	3.05508E-05
2	7	5	0.000278	2	7	5	3.05508E-05
2	7	6	0.000278	2	7	6	3.05508E-05
2	7	7	0.000278	2	7	7	3.05508E-05
2	7	8	0.000279	2	7	8	3.05953E-05
2	7	9	0.00028	2	7	9	3.07627E-05
2	7	10	0.000282	2	7	10	3.08967E-05
2	7	11	0.000283	2	7	11	3.10027E-05
2	7	12	0.000284	2	7	12	3.10841E-05
2	7	13	0.000284	2	7	13	3.11309E-05
2	7	14	0.000285	2	7	14	3.12405E-05
2	7	15	0.000285	2	7	15	3.12883E-05
2	7	16	0.000286	2	7	16	3.12995E-05
2	7	17	0.000286	2	7	17	3.12938E-05
2	7	18	0.000285	2	7	18	3.12603E-05
2	7	19	0.000284	2	7	19	3.10928E-05
2	7	20	0.000282	2	7	20	3.09525E-05
2	7	21	0.000281	2	7	21	3.08094E-05
2	7	22	0.00028	2	7	22	3.06796E-05
2	7	23	0.000279	2	7	23	3.06056E-05
2	7	24	0.000279	2	7	24	3.05625E-05
2	8	1	0.000257	2	8	1	2.82949E-05
2	8	2	0.000257	2	8	2	2.82949E-05
2	8	3	0.000257	2	8	3	2.82949E-05
2	8	4	0.000257	2	8	4	2.82949E-05
2	8	5	0.000257	2	8	5	2.82949E-05
2	8	6	0.000257	2	8	6	2.82949E-05
2	8	7	0.000257	2	8	7	2.82949E-05
2	8	8	0.000258	2	8	8	2.83355E-05
2	8	9	0.000259	2	8	9	2.84883E-05
2	8	10	0.00026	2	8	10	2.86106E-05
2	8	11	0.000261	2	8	11	2.87073E-05
2	8	12	0.000262	2	8	12	2.87817E-05
2	8	13	0.000263	2	8	13	2.88244E-05
2	8	14	0.000263	2	8	14	2.89244E-05
2	8	15	0.000264	2	8	15	2.8968E-05
2	8	16	0.000264	2	8	16	2.89782E-05
2	8	17	0.000264	2	8	17	2.89731E-05
2	8	18	0.000264	2	8	18	2.89425E-05
2	8	19	0.000262	2	8	19	2.87896E-05
2	8	20	0.000261	2	8	20	2.86616E-05
2	8	21	0.00026	2	8	21	2.8531E-05
2	8	22	0.000259	2	8	22	2.84125E-05
2	8	23	0.000258	2	8	23	2.8345E-05
2	8	24	0.000258	2	8	24	2.83056E-05

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
2	10	1	0.00023	2	10	1	2.5334E-05
2	10	2	0.00023	2	10	2	2.5334E-05
2	10	3	0.00023	2	10	3	2.5334E-05
2	10	4	0.00023	2	10	4	2.5334E-05
2	10	5	0.00023	2	10	5	2.5334E-05
2	10	6	0.00023	2	10	6	2.5334E-05
2	10	7	0.00023	2	10	7	2.5334E-05
2	10	8	0.00023	2	10	8	2.53693E-05
2	10	9	0.000232	2	10	9	2.55023E-05
2	10	10	0.000233	2	10	10	2.56088E-05
2	10	11	0.000233	2	10	11	2.56929E-05
2	10	12	0.000234	2	10	12	2.57576E-05
2	10	13	0.000234	2	10	13	2.57948E-05
2	10	14	0.000235	2	10	14	2.58818E-05
2	10	15	0.000236	2	10	15	2.59198E-05
2	10	16	0.000236	2	10	16	2.59286E-05
2	10	17	0.000236	2	10	17	2.59241E-05
2	10	18	0.000235	2	10	18	2.58975E-05
2	10	19	0.000234	2	10	19	2.57644E-05
2	10	20	0.000233	2	10	20	2.5653E-05
2	10	21	0.000232	2	10	21	2.55394E-05
2	10	22	0.000231	2	10	22	2.54363E-05
2	10	23	0.00023	2	10	23	2.53776E-05
2	10	24	0.00023	2	10	24	2.53433E-05
2	11	1	0.000221	2	11	1	2.4355E-05
2	11	2	0.000221	2	11	2	2.4355E-05
2	11	3	0.000221	2	11	3	2.4355E-05
2	11	4	0.000221	2	11	4	2.4355E-05
2	11	5	0.000221	2	11	5	2.4355E-05
2	11	6	0.000221	2	11	6	2.4355E-05
2	11	7	0.000221	2	11	7	2.4355E-05
2	11	8	0.000221	2	11	8	2.43888E-05
2	11	9	0.000222	2	11	9	2.45161E-05
2	11	10	0.000223	2	11	10	2.4618E-05
2	11	11	0.000224	2	11	11	2.46985E-05
2	11	12	0.000225	2	11	12	2.47605E-05
2	11	13	0.000225	2	11	13	2.4796E-05
2	11	14	0.000226	2	11	14	2.48793E-05
2	11	15	0.000226	2	11	15	2.49157E-05
2	11	16	0.000226	2	11	16	2.49242E-05
2	11	17	0.000226	2	11	17	2.49199E-05
2	11	18	0.000226	2	11	18	2.48944E-05
2	11	19	0.000225	2	11	19	2.4767E-05
2	11	20	0.000224	2	11	20	2.46604E-05
2	11	21	0.000223	2	11	21	2.45516E-05
2	11	22	0.000222	2	11	22	2.44529E-05
2	11	23	0.000221	2	11	23	2.43967E-05
2	11	24	0.000221	2	11	24	2.43639E-05

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	1	1	0.001836	3	1	1	0.000200676
3	1	2	0.001836	3	1	2	0.000200676
3	1	3	0.001836	3	1	3	0.000200676
3	1	4	0.001836	3	1	4	0.000200676
3	1	5	0.001836	3	1	5	0.000200676
3	1	6	0.001836	3	1	6	0.000200676
3	1	7	0.001836	3	1	7	0.000200676
3	1	8	0.001838	3	1	8	0.000200858
3	1	9	0.001845	3	1	9	0.000201543
3	1	10	0.00185	3	1	10	0.000202091
3	1	11	0.001854	3	1	11	0.000202524
3	1	12	0.001858	3	1	12	0.000202857
3	1	13	0.001859	3	1	13	0.000203049
3	1	14	0.001864	3	1	14	0.000203497
3	1	15	0.001866	3	1	15	0.000203693
3	1	16	0.001866	3	1	16	0.000203738
3	1	17	0.001866	3	1	17	0.000203715
3	1	18	0.001865	3	1	18	0.000203578
3	1	19	0.001858	3	1	19	0.000202893
3	1	20	0.001852	3	1	20	0.000202319
3	1	21	0.001846	3	1	21	0.000201734
3	1	22	0.001841	3	1	22	0.000201203
3	1	23	0.001838	3	1	23	0.0002009
3	1	24	0.001837	3	1	24	0.000200724
3	7	1	0.00029	3	7	1	3.18172E-05
3	7	2	0.00029	3	7	2	3.18172E-05
3	7	3	0.00029	3	7	3	3.18172E-05
3	7	4	0.00029	3	7	4	3.18172E-05
3	7	5	0.00029	3	7	5	3.18172E-05
3	7	6	0.00029	3	7	6	3.18172E-05
3	7	7	0.00029	3	7	7	3.18172E-05
3	7	8	0.000291	3	7	8	3.18671E-05
3	7	9	0.000293	3	7	9	3.2055E-05
3	7	10	0.000294	3	7	10	3.22054E-05
3	7	11	0.000295	3	7	11	3.23242E-05
3	7	12	0.000296	3	7	12	3.24157E-05
3	7	13	0.000297	3	7	13	3.24682E-05
3	7	14	0.000298	3	7	14	3.25911E-05
3	7	15	0.000298	3	7	15	3.26448E-05
3	7	16	0.000298	3	7	16	3.26574E-05
3	7	17	0.000298	3	7	17	3.26509E-05
3	7	18	0.000298	3	7	18	3.26134E-05
3	7	19	0.000296	3	7	19	3.24254E-05
3	7	20	0.000295	3	7	20	3.2268E-05
3	7	21	0.000293	3	7	21	3.21074E-05
3	7	22	0.000292	3	7	22	3.19618E-05
3	7	23	0.000291	3	7	23	3.18787E-05
3	7	24	0.000291	3	7	24	3.18303E-05

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	8	1	0.000265	3	8	1	2.91046E-05
3	8	2	0.000265	3	8	2	2.91046E-05
3	8	3	0.000265	3	8	3	2.91046E-05
3	8	4	0.000265	3	8	4	2.91046E-05
3	8	5	0.000265	3	8	5	2.91046E-05
3	8	6	0.000265	3	8	6	2.91046E-05
3	8	7	0.000265	3	8	7	2.91046E-05
3	8	8	0.000266	3	8	8	2.91491E-05
3	8	9	0.000267	3	8	9	2.93164E-05
3	8	10	0.000269	3	8	10	2.94504E-05
3	8	11	0.00027	3	8	11	2.95563E-05
3	8	12	0.00027	3	8	12	2.96377E-05
3	8	13	0.000271	3	8	13	2.96845E-05
3	8	14	0.000272	3	8	14	2.9794E-05
3	8	15	0.000272	3	8	15	2.98418E-05
3	8	16	0.000272	3	8	16	2.9853E-05
3	8	17	0.000272	3	8	17	2.98473E-05
3	8	18	0.000272	3	8	18	2.98138E-05
3	8	19	0.00027	3	8	19	2.96464E-05
3	8	20	0.000269	3	8	20	2.95061E-05
3	8	21	0.000268	3	8	21	2.93631E-05
3	8	22	0.000266	3	8	22	2.92334E-05
3	8	23	0.000266	3	8	23	2.91594E-05
3	8	24	0.000265	3	8	24	2.91163E-05
3	10	1	0.000232	3	10	1	2.55413E-05
3	10	2	0.000232	3	10	2	2.55413E-05
3	10	3	0.000232	3	10	3	2.55413E-05
3	10	4	0.000232	3	10	4	2.55413E-05
3	10	5	0.000232	3	10	5	2.55413E-05
3	10	6	0.000232	3	10	6	2.55413E-05
3	10	7	0.000232	3	10	7	2.55413E-05
3	10	8	0.000232	3	10	8	2.55778E-05
3	10	9	0.000234	3	10	9	2.57155E-05
3	10	10	0.000235	3	10	10	2.58257E-05
3	10	11	0.000236	3	10	11	2.59128E-05
3	10	12	0.000236	3	10	12	2.59798E-05
3	10	13	0.000237	3	10	13	2.60182E-05
3	10	14	0.000237	3	10	14	2.61083E-05
3	10	15	0.000238	3	10	15	2.61476E-05
3	10	16	0.000238	3	10	16	2.61568E-05
3	10	17	0.000238	3	10	17	2.61521E-05
3	10	18	0.000238	3	10	18	2.61246E-05
3	10	19	0.000236	3	10	19	2.59869E-05
3	10	20	0.000235	3	10	20	2.58715E-05
3	10	21	0.000234	3	10	21	2.57539E-05
3	10	22	0.000233	3	10	22	2.56472E-05
3	10	23	0.000232	3	10	23	2.55864E-05
3	10	24	0.000232	3	10	24	2.55509E-05

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageS	HourID	CAR
3	11	1	0.000221	3	11	1	2.43635E-05
3	11	2	0.000221	3	11	2	2.43635E-05
3	11	3	0.000221	3	11	3	2.43635E-05
3	11	4	0.000221	3	11	4	2.43635E-05
3	11	5	0.000221	3	11	5	2.43635E-05
3	11	6	0.000221	3	11	6	2.43635E-05
3	11	7	0.000221	3	11	7	2.43635E-05
3	11	8	0.000221	3	11	8	2.43975E-05
3	11	9	0.000223	3	11	9	2.45257E-05
3	11	10	0.000224	3	11	10	2.46283E-05
3	11	11	0.000224	3	11	11	2.47094E-05
3	11	12	0.000225	3	11	12	2.47718E-05
3	11	13	0.000225	3	11	13	2.48076E-05
3	11	14	0.000226	3	11	14	2.48915E-05
3	11	15	0.000226	3	11	15	2.49281E-05
3	11	16	0.000226	3	11	16	2.49367E-05
3	11	17	0.000226	3	11	17	2.49323E-05
3	11	18	0.000226	3	11	18	2.49067E-05
3	11	19	0.000225	3	11	19	2.47784E-05
3	11	20	0.000224	3	11	20	2.4671E-05
3	11	21	0.000223	3	11	21	2.45615E-05
3	11	22	0.000222	3	11	22	2.44621E-05
3	11	23	0.000221	3	11	23	2.44055E-05
3	11	24	0.000221	3	11	24	2.43724E-05

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.01804612	1	0	1	2.76141E-06
1	0	2	0.01804612	1	0	2	2.76141E-06
1	0	3	0.01804612	1	0	3	2.76141E-06
1	0	4	0.01804612	1	0	4	2.76141E-06
1	0	5	0.01804612	1	0	5	2.76141E-06
1	0	6	0.01804612	1	0	6	2.76141E-06
1	0	7	0.01804612	1	0	7	2.76141E-06
1	0	8	0.01820735	1	0	8	2.76144E-06
1	0	9	0.018814745	1	0	9	2.76155E-06
1	0	10	0.019300761	1	0	10	2.76163E-06
1	0	11	0.019684951	1	0	11	2.7617E-06
1	0	12	0.019980348	1	0	12	2.76175E-06
1	0	13	0.020149911	1	0	13	2.76178E-06
1	0	14	0.020547175	1	0	14	2.76185E-06
1	0	15	0.02072075	1	0	15	2.76188E-06
1	0	16	0.020761415	1	0	16	2.76189E-06
1	0	17	0.020740697	1	0	17	2.76188E-06
1	0	18	0.020619266	1	0	18	2.76187E-06
1	0	19	0.020011678	1	0	19	2.76176E-06
1	0	20	0.01950295	1	0	20	2.76167E-06
1	0	21	0.018984101	1	0	21	2.76158E-06
1	0	22	0.018513345	1	0	22	2.76149E-06
1	0	23	0.018245067	1	0	23	2.76145E-06
1	0	24	0.018088587	1	0	24	2.76142E-06
2	1	1	0.010913684	2	1	1	2.65659E-06
2	1	2	0.010913684	2	1	2	2.65659E-06
2	1	3	0.010913684	2	1	3	2.65659E-06
2	1	4	0.010913684	2	1	4	2.65659E-06
2	1	5	0.010913684	2	1	5	2.65659E-06
2	1	6	0.010913684	2	1	6	2.65659E-06
2	1	7	0.010913684	2	1	7	2.65659E-06
2	1	8	0.010991741	2	1	8	2.65664E-06
2	1	9	0.011285657	2	1	9	2.65681E-06
2	1	10	0.011520819	2	1	10	2.65695E-06
2	1	11	0.011706757	2	1	11	2.65706E-06
2	1	12	0.011849729	2	1	12	2.65714E-06
2	1	13	0.011931822	2	1	13	2.65719E-06
2	1	14	0.0121241	2	1	14	2.6573E-06
2	1	15	0.012208086	2	1	15	2.65735E-06
2	1	16	0.0122277	2	1	16	2.65737E-06
2	1	17	0.012217724	2	1	17	2.65736E-06
2	1	18	0.012158968	2	1	18	2.65733E-06
2	1	19	0.011864888	2	1	19	2.65715E-06
2	1	20	0.011618706	2	1	20	2.65701E-06
2	1	21	0.011367625	2	1	21	2.65686E-06
2	1	22	0.01113978	2	1	22	2.65673E-06
2	1	23	0.011009968	2	1	23	2.65665E-06
2	1	24	0.010934266	2	1	24	2.65661E-06

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
2	7	1	0.002040415	2	7	1	6.68856E-07
2	7	2	0.002040415	2	7	2	6.68856E-07
2	7	3	0.002040415	2	7	3	6.68856E-07
2	7	4	0.002040415	2	7	4	6.68856E-07
2	7	5	0.002040415	2	7	5	6.68856E-07
2	7	6	0.002040415	2	7	6	6.68856E-07
2	7	7	0.002040415	2	7	7	6.68856E-07
2	7	8	0.002049451	2	7	8	6.6887E-07
2	7	9	0.002083463	2	7	9	6.68919E-07
2	7	10	0.002110683	2	7	10	6.68959E-07
2	7	11	0.0021322	2	7	11	6.6899E-07
2	7	12	0.002148741	2	7	12	6.69014E-07
2	7	13	0.002158242	2	7	13	6.69028E-07
2	7	14	0.002180491	2	7	14	6.6906E-07
2	7	15	0.002190219	2	7	15	6.69074E-07
2	7	16	0.002192487	2	7	16	6.69078E-07
2	7	17	0.002191334	2	7	17	6.69076E-07
2	7	18	0.002184527	2	7	18	6.69066E-07
2	7	19	0.0021505	2	7	19	6.69016E-07
2	7	20	0.002122011	2	7	20	6.68975E-07
2	7	21	0.002092945	2	7	21	6.68933E-07
2	7	22	0.002066584	2	7	22	6.68894E-07
2	7	23	0.002051554	2	7	23	6.68873E-07
2	7	24	0.002042794	2	7	24	6.6886E-07
2	8	1	0.0019827	2	8	1	7.01522E-07
2	8	2	0.0019827	2	8	2	7.01522E-07
2	8	3	0.0019827	2	8	3	7.01522E-07
2	8	4	0.0019827	2	8	4	7.01522E-07
2	8	5	0.0019827	2	8	5	7.01522E-07
2	8	6	0.0019827	2	8	6	7.01522E-07
2	8	7	0.0019827	2	8	7	7.01522E-07
2	8	8	0.001990958	2	8	8	7.01534E-07
2	8	9	0.002022049	2	8	9	7.0158E-07
2	8	10	0.00204694	2	8	10	7.01617E-07
2	8	11	0.002066612	2	8	11	7.01646E-07
2	8	12	0.002081739	2	8	12	7.01668E-07
2	8	13	0.002090418	2	8	13	7.01681E-07
2	8	14	0.002110762	2	8	14	7.01711E-07
2	8	15	0.002119649	2	8	15	7.01724E-07
2	8	16	0.002121723	2	8	16	7.01727E-07
2	8	17	0.002120667	2	8	17	7.01725E-07
2	8	18	0.002114445	2	8	18	7.01716E-07
2	8	19	0.002083337	2	8	19	7.0167E-07
2	8	20	0.002057295	2	8	20	7.01632E-07
2	8	21	0.002030718	2	8	21	7.01593E-07
2	8	22	0.002006617	2	8	22	7.01557E-07
2	8	23	0.001992885	2	8	23	7.01537E-07
2	8	24	0.001984877	2	8	24	7.01525E-07

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
2	10	1	0.001915882	2	10	1	7.50946E-07
2	10	2	0.001915882	2	10	2	7.50946E-07
2	10	3	0.001915882	2	10	3	7.50946E-07
2	10	4	0.001915882	2	10	4	7.50946E-07
2	10	5	0.001915882	2	10	5	7.50946E-07
2	10	6	0.001915882	2	10	6	7.50946E-07
2	10	7	0.001915882	2	10	7	7.50946E-07
2	10	8	0.001923136	2	10	8	7.50957E-07
2	10	9	0.001950452	2	10	9	7.50998E-07
2	10	10	0.00197232	2	10	10	7.51031E-07
2	10	11	0.001989595	2	10	11	7.51056E-07
2	10	12	0.002002883	2	10	12	7.51077E-07
2	10	13	0.002010523	2	10	13	7.51088E-07
2	10	14	0.002028389	2	10	14	7.51115E-07
2	10	15	0.002036196	2	10	15	7.51126E-07
2	10	16	0.002038013	2	10	16	7.51129E-07
2	10	17	0.002037092	2	10	17	7.51128E-07
2	10	18	0.002031626	2	10	18	7.51119E-07
2	10	19	0.002004292	2	10	19	7.51079E-07
2	10	20	0.001981411	2	10	20	7.51044E-07
2	10	21	0.00195807	2	10	21	7.51009E-07
2	10	22	0.001936893	2	10	22	7.50978E-07
2	10	23	0.001924828	2	10	23	7.50959E-07
2	10	24	0.001917792	2	10	24	7.50949E-07
2	11	1	0.001874731	2	11	1	7.63298E-07
2	11	2	0.001874731	2	11	2	7.63298E-07
2	11	3	0.001874731	2	11	3	7.63298E-07
2	11	4	0.001874731	2	11	4	7.63298E-07
2	11	5	0.001874731	2	11	5	7.63298E-07
2	11	6	0.001874731	2	11	6	7.63298E-07
2	11	7	0.001874731	2	11	7	7.63298E-07
2	11	8	0.001881587	2	11	8	7.63309E-07
2	11	9	0.001907382	2	11	9	7.63348E-07
2	11	10	0.001928026	2	11	10	7.6338E-07
2	11	11	0.001944348	2	11	11	7.63405E-07
2	11	12	0.001956901	2	11	12	7.63424E-07
2	11	13	0.001964097	2	11	13	7.63435E-07
2	11	14	0.001980971	2	11	14	7.63461E-07
2	11	15	0.00198835	2	11	15	7.63472E-07
2	11	16	0.00199007	2	11	16	7.63475E-07
2	11	17	0.001989193	2	11	17	7.63474E-07
2	11	18	0.001984038	2	11	18	7.63466E-07
2	11	19	0.001958229	2	11	19	7.63426E-07
2	11	20	0.001936616	2	11	20	7.63393E-07
2	11	21	0.001914576	2	11	21	7.63359E-07
2	11	22	0.001894581	2	11	22	7.63329E-07
2	11	23	0.001883186	2	11	23	7.63311E-07
2	11	24	0.001876539	2	11	24	7.633E-07

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	1	1	0.010913684	3	1	1	2.65659E-06
3	1	2	0.010913684	3	1	2	2.65659E-06
3	1	3	0.010913684	3	1	3	2.65659E-06
3	1	4	0.010913684	3	1	4	2.65659E-06
3	1	5	0.010913684	3	1	5	2.65659E-06
3	1	6	0.010913684	3	1	6	2.65659E-06
3	1	7	0.010913684	3	1	7	2.65659E-06
3	1	8	0.010991741	3	1	8	2.65664E-06
3	1	9	0.011285657	3	1	9	2.65681E-06
3	1	10	0.011520819	3	1	10	2.65695E-06
3	1	11	0.011706757	3	1	11	2.65706E-06
3	1	12	0.011849729	3	1	12	2.65714E-06
3	1	13	0.011931822	3	1	13	2.65719E-06
3	1	14	0.0121241	3	1	14	2.6573E-06
3	1	15	0.012208086	3	1	15	2.65735E-06
3	1	16	0.0122277	3	1	16	2.65737E-06
3	1	17	0.012217724	3	1	17	2.65736E-06
3	1	18	0.012158968	3	1	18	2.65733E-06
3	1	19	0.011864888	3	1	19	2.65715E-06
3	1	20	0.011618706	3	1	20	2.65701E-06
3	1	21	0.011367625	3	1	21	2.65686E-06
3	1	22	0.01113978	3	1	22	2.65673E-06
3	1	23	0.011009968	3	1	23	2.65665E-06
3	1	24	0.010934266	3	1	24	2.65661E-06
3	7	1	0.002092885	3	7	1	8.13482E-07
3	7	2	0.002092885	3	7	2	8.13482E-07
3	7	3	0.002092885	3	7	3	8.13482E-07
3	7	4	0.002092885	3	7	4	8.13482E-07
3	7	5	0.002092885	3	7	5	8.13482E-07
3	7	6	0.002092885	3	7	6	8.13482E-07
3	7	7	0.002092885	3	7	7	8.13482E-07
3	7	8	0.002101926	3	7	8	8.13497E-07
3	7	9	0.002135951	3	7	9	8.13553E-07
3	7	10	0.002163181	3	7	10	8.13598E-07
3	7	11	0.002184706	3	7	11	8.13633E-07
3	7	12	0.002201267	3	7	12	8.1366E-07
3	7	13	0.002210768	3	7	13	8.13676E-07
3	7	14	0.002233024	3	7	14	8.13713E-07
3	7	15	0.002242754	3	7	15	8.13729E-07
3	7	16	0.002245025	3	7	16	8.13733E-07
3	7	17	0.002243867	3	7	17	8.13731E-07
3	7	18	0.002237063	3	7	18	8.13719E-07
3	7	19	0.00220302	3	7	19	8.13663E-07
3	7	20	0.002174517	3	7	20	8.13616E-07
3	7	21	0.002145442	3	7	21	8.13569E-07
3	7	22	0.00211907	3	7	22	8.13525E-07
3	7	23	0.002104029	3	7	23	8.13501E-07
3	7	24	0.002095269	3	7	24	8.13486E-07

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	8	1	0.001998322	3	8	1	8.11055E-07
3	8	2	0.001998322	3	8	2	8.11055E-07
3	8	3	0.001998322	3	8	3	8.11055E-07
3	8	4	0.001998322	3	8	4	8.11055E-07
3	8	5	0.001998322	3	8	5	8.11055E-07
3	8	6	0.001998322	3	8	6	8.11055E-07
3	8	7	0.001998322	3	8	7	8.11055E-07
3	8	8	0.002006531	3	8	8	8.11069E-07
3	8	9	0.002037449	3	8	9	8.1112E-07
3	8	10	0.002062199	3	8	10	8.1116E-07
3	8	11	0.002081761	3	8	11	8.11192E-07
3	8	12	0.002096804	3	8	12	8.11216E-07
3	8	13	0.002105444	3	8	13	8.1123E-07
3	8	14	0.002125669	3	8	14	8.11263E-07
3	8	15	0.002134508	3	8	15	8.11278E-07
3	8	16	0.002136572	3	8	16	8.11281E-07
3	8	17	0.002135515	3	8	17	8.1128E-07
3	8	18	0.002129335	3	8	18	8.11269E-07
3	8	19	0.002098401	3	8	19	8.11219E-07
3	8	20	0.002072496	3	8	20	8.11177E-07
3	8	21	0.002046081	3	8	21	8.11134E-07
3	8	22	0.002022107	3	8	22	8.11094E-07
3	8	23	0.002008453	3	8	23	8.11072E-07
3	8	24	0.002000491	3	8	24	8.11059E-07
3	10	1	0.001905679	3	10	1	8.31883E-07
3	10	2	0.001905679	3	10	2	8.31883E-07
3	10	3	0.001905679	3	10	3	8.31883E-07
3	10	4	0.001905679	3	10	4	8.31883E-07
3	10	5	0.001905679	3	10	5	8.31883E-07
3	10	6	0.001905679	3	10	6	8.31883E-07
3	10	7	0.001905679	3	10	7	8.31883E-07
3	10	8	0.00191284	3	10	8	8.31894E-07
3	10	9	0.00193984	3	10	9	8.31937E-07
3	10	10	0.001961438	3	10	10	8.3197E-07
3	10	11	0.001978521	3	10	11	8.31997E-07
3	10	12	0.00199165	3	10	12	8.32018E-07
3	10	13	0.001999184	3	10	13	8.3203E-07
3	10	14	0.002016848	3	10	14	8.32058E-07
3	10	15	0.002024561	3	10	15	8.3207E-07
3	10	16	0.002026363	3	10	16	8.32073E-07
3	10	17	0.002025448	3	10	17	8.32071E-07
3	10	18	0.002020046	3	10	18	8.32063E-07
3	10	19	0.001993036	3	10	19	8.3202E-07
3	10	20	0.00197043	3	10	20	8.31984E-07
3	10	21	0.001947364	3	10	21	8.31948E-07
3	10	22	0.001926439	3	10	22	8.31915E-07
3	10	23	0.001914521	3	10	23	8.31897E-07
3	10	24	0.001907564	3	10	24	8.31885E-07

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	11	1	0.001876851	3	11	1	8.38676E-07
3	11	2	0.001876851	3	11	2	8.38676E-07
3	11	3	0.001876851	3	11	3	8.38676E-07
3	11	4	0.001876851	3	11	4	8.38676E-07
3	11	5	0.001876851	3	11	5	8.38676E-07
3	11	6	0.001876851	3	11	6	8.38676E-07
3	11	7	0.001876851	3	11	7	8.38676E-07
3	11	8	0.001883668	3	11	8	8.38686E-07
3	11	9	0.001909333	3	11	9	8.38727E-07
3	11	10	0.001929871	3	11	10	8.38758E-07
3	11	11	0.001946103	3	11	11	8.38784E-07
3	11	12	0.001958594	3	11	12	8.38803E-07
3	11	13	0.00196576	3	11	13	8.38815E-07
3	11	14	0.001982549	3	11	14	8.38841E-07
3	11	15	0.00198988	3	11	15	8.38852E-07
3	11	16	0.001991599	3	11	16	8.38855E-07
3	11	17	0.001990723	3	11	17	8.38854E-07
3	11	18	0.001985587	3	11	18	8.38845E-07
3	11	19	0.001959917	3	11	19	8.38806E-07
3	11	20	0.001938419	3	11	20	8.38772E-07
3	11	21	0.001916489	3	11	21	8.38738E-07
3	11	22	0.001896595	3	11	22	8.38706E-07
3	11	23	0.001885267	3	11	23	8.38689E-07
3	11	24	0.001878649	3	11	24	8.38679E-07

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
1	0	1	0.013977	1	0	1	0.012378
1	0	2	0.013977	1	0	2	0.012378
1	0	3	0.013977	1	0	3	0.012378
1	0	4	0.013977	1	0	4	0.012378
1	0	5	0.013977	1	0	5	0.012378
1	0	6	0.013977	1	0	6	0.012378
1	0	7	0.013977	1	0	7	0.012378
1	0	8	0.013977	1	0	8	0.012378
1	0	9	0.013977	1	0	9	0.012378
1	0	10	0.013977	1	0	10	0.012378
1	0	11	0.013977	1	0	11	0.012378
1	0	12	0.013977	1	0	12	0.012378
1	0	13	0.013977	1	0	13	0.012378
1	0	14	0.013977	1	0	14	0.012378
1	0	15	0.013977	1	0	15	0.012378
1	0	16	0.013977	1	0	16	0.012378
1	0	17	0.013977	1	0	17	0.012378
1	0	18	0.013977	1	0	18	0.012378
1	0	19	0.013977	1	0	19	0.012378
1	0	20	0.013977	1	0	20	0.012378
1	0	21	0.013977	1	0	21	0.012378
1	0	22	0.013977	1	0	22	0.012378
1	0	23	0.013977	1	0	23	0.012378
1	0	24	0.013977	1	0	24	0.012378
2	1	1	0.464172	2	1	1	0.065401
2	1	2	0.464172	2	1	2	0.065401
2	1	3	0.464172	2	1	3	0.065401
2	1	4	0.464172	2	1	4	0.065401
2	1	5	0.464172	2	1	5	0.065401
2	1	6	0.464172	2	1	6	0.065401
2	1	7	0.464172	2	1	7	0.065401
2	1	8	0.464172	2	1	8	0.065401
2	1	9	0.464172	2	1	9	0.065401
2	1	10	0.464172	2	1	10	0.065401
2	1	11	0.464172	2	1	11	0.065401
2	1	12	0.464172	2	1	12	0.065401
2	1	13	0.464172	2	1	13	0.065401
2	1	14	0.464172	2	1	14	0.065401
2	1	15	0.464172	2	1	15	0.065401
2	1	16	0.464172	2	1	16	0.065401
2	1	17	0.464172	2	1	17	0.065401
2	1	18	0.464172	2	1	18	0.065401
2	1	19	0.464172	2	1	19	0.065401
2	1	20	0.464172	2	1	20	0.065401
2	1	21	0.464172	2	1	21	0.065401
2	1	22	0.464172	2	1	22	0.065401
2	1	23	0.464172	2	1	23	0.065401
2	1	24	0.464172	2	1	24	0.065401

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
2	7	1	0.063665	2	7	1	0.00996
2	7	2	0.063665	2	7	2	0.00996
2	7	3	0.063665	2	7	3	0.00996
2	7	4	0.063665	2	7	4	0.00996
2	7	5	0.063665	2	7	5	0.00996
2	7	6	0.063665	2	7	6	0.00996
2	7	7	0.063665	2	7	7	0.00996
2	7	8	0.063665	2	7	8	0.00996
2	7	9	0.063665	2	7	9	0.00996
2	7	10	0.063665	2	7	10	0.00996
2	7	11	0.063665	2	7	11	0.00996
2	7	12	0.063665	2	7	12	0.00996
2	7	13	0.063665	2	7	13	0.00996
2	7	14	0.063665	2	7	14	0.00996
2	7	15	0.063665	2	7	15	0.00996
2	7	16	0.063665	2	7	16	0.00996
2	7	17	0.063665	2	7	17	0.00996
2	7	18	0.063665	2	7	18	0.00996
2	7	19	0.063665	2	7	19	0.00996
2	7	20	0.063665	2	7	20	0.00996
2	7	21	0.063665	2	7	21	0.00996
2	7	22	0.063665	2	7	22	0.00996
2	7	23	0.063665	2	7	23	0.00996
2	7	24	0.063665	2	7	24	0.00996
2	8	1	0.051109	2	8	1	0.008426
2	8	2	0.051109	2	8	2	0.008426
2	8	3	0.051109	2	8	3	0.008426
2	8	4	0.051109	2	8	4	0.008426
2	8	5	0.051109	2	8	5	0.008426
2	8	6	0.051109	2	8	6	0.008426
2	8	7	0.051109	2	8	7	0.008426
2	8	8	0.051109	2	8	8	0.008426
2	8	9	0.051109	2	8	9	0.008426
2	8	10	0.051109	2	8	10	0.008426
2	8	11	0.051109	2	8	11	0.008426
2	8	12	0.051109	2	8	12	0.008426
2	8	13	0.051109	2	8	13	0.008426
2	8	14	0.051109	2	8	14	0.008426
2	8	15	0.051109	2	8	15	0.008426
2	8	16	0.051109	2	8	16	0.008426
2	8	17	0.051109	2	8	17	0.008426
2	8	18	0.051109	2	8	18	0.008426
2	8	19	0.051109	2	8	19	0.008426
2	8	20	0.051109	2	8	20	0.008426
2	8	21	0.051109	2	8	21	0.008426
2	8	22	0.051109	2	8	22	0.008426
2	8	23	0.051109	2	8	23	0.008426
2	8	24	0.051109	2	8	24	0.008426

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
2	10	1	0.033713	2	10	1	0.006298
2	10	2	0.033713	2	10	2	0.006298
2	10	3	0.033713	2	10	3	0.006298
2	10	4	0.033713	2	10	4	0.006298
2	10	5	0.033713	2	10	5	0.006298
2	10	6	0.033713	2	10	6	0.006298
2	10	7	0.033713	2	10	7	0.006298
2	10	8	0.033713	2	10	8	0.006298
2	10	9	0.033713	2	10	9	0.006298
2	10	10	0.033713	2	10	10	0.006298
2	10	11	0.033713	2	10	11	0.006298
2	10	12	0.033713	2	10	12	0.006298
2	10	13	0.033713	2	10	13	0.006298
2	10	14	0.033713	2	10	14	0.006298
2	10	15	0.033713	2	10	15	0.006298
2	10	16	0.033713	2	10	16	0.006298
2	10	17	0.033713	2	10	17	0.006298
2	10	18	0.033713	2	10	18	0.006298
2	10	19	0.033713	2	10	19	0.006298
2	10	20	0.033713	2	10	20	0.006298
2	10	21	0.033713	2	10	21	0.006298
2	10	22	0.033713	2	10	22	0.006298
2	10	23	0.033713	2	10	23	0.006298
2	10	24	0.033713	2	10	24	0.006298
2	11	1	0.027204	2	11	1	0.005471
2	11	2	0.027204	2	11	2	0.005471
2	11	3	0.027204	2	11	3	0.005471
2	11	4	0.027204	2	11	4	0.005471
2	11	5	0.027204	2	11	5	0.005471
2	11	6	0.027204	2	11	6	0.005471
2	11	7	0.027204	2	11	7	0.005471
2	11	8	0.027204	2	11	8	0.005471
2	11	9	0.027204	2	11	9	0.005471
2	11	10	0.027204	2	11	10	0.005471
2	11	11	0.027204	2	11	11	0.005471
2	11	12	0.027204	2	11	12	0.005471
2	11	13	0.027204	2	11	13	0.005471
2	11	14	0.027204	2	11	14	0.005471
2	11	15	0.027204	2	11	15	0.005471
2	11	16	0.027204	2	11	16	0.005471
2	11	17	0.027204	2	11	17	0.005471
2	11	18	0.027204	2	11	18	0.005471
2	11	19	0.027204	2	11	19	0.005471
2	11	20	0.027204	2	11	20	0.005471
2	11	21	0.027204	2	11	21	0.005471
2	11	22	0.027204	2	11	22	0.005471
2	11	23	0.027204	2	11	23	0.005471
2	11	24	0.027204	2	11	24	0.005471

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	1	1	0.464172	3	1	1	0.065401
3	1	2	0.464172	3	1	2	0.065401
3	1	3	0.464172	3	1	3	0.065401
3	1	4	0.464172	3	1	4	0.065401
3	1	5	0.464172	3	1	5	0.065401
3	1	6	0.464172	3	1	6	0.065401
3	1	7	0.464172	3	1	7	0.065401
3	1	8	0.464172	3	1	8	0.065401
3	1	9	0.464172	3	1	9	0.065401
3	1	10	0.464172	3	1	10	0.065401
3	1	11	0.464172	3	1	11	0.065401
3	1	12	0.464172	3	1	12	0.065401
3	1	13	0.464172	3	1	13	0.065401
3	1	14	0.464172	3	1	14	0.065401
3	1	15	0.464172	3	1	15	0.065401
3	1	16	0.464172	3	1	16	0.065401
3	1	17	0.464172	3	1	17	0.065401
3	1	18	0.464172	3	1	18	0.065401
3	1	19	0.464172	3	1	19	0.065401
3	1	20	0.464172	3	1	20	0.065401
3	1	21	0.464172	3	1	21	0.065401
3	1	22	0.464172	3	1	22	0.065401
3	1	23	0.464172	3	1	23	0.065401
3	1	24	0.464172	3	1	24	0.065401
3	7	1	0.068012	3	7	1	0.010846
3	7	2	0.068012	3	7	2	0.010846
3	7	3	0.068012	3	7	3	0.010846
3	7	4	0.068012	3	7	4	0.010846
3	7	5	0.068012	3	7	5	0.010846
3	7	6	0.068012	3	7	6	0.010846
3	7	7	0.068012	3	7	7	0.010846
3	7	8	0.068012	3	7	8	0.010846
3	7	9	0.068012	3	7	9	0.010846
3	7	10	0.068012	3	7	10	0.010846
3	7	11	0.068012	3	7	11	0.010846
3	7	12	0.068012	3	7	12	0.010846
3	7	13	0.068012	3	7	13	0.010846
3	7	14	0.068012	3	7	14	0.010846
3	7	15	0.068012	3	7	15	0.010846
3	7	16	0.068012	3	7	16	0.010846
3	7	17	0.068012	3	7	17	0.010846
3	7	18	0.068012	3	7	18	0.010846
3	7	19	0.068012	3	7	19	0.010846
3	7	20	0.068012	3	7	20	0.010846
3	7	21	0.068012	3	7	21	0.010846
3	7	22	0.068012	3	7	22	0.010846
3	7	23	0.068012	3	7	23	0.010846
3	7	24	0.068012	3	7	24	0.010846

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	8	1	0.053401	3	8	1	0.008967
3	8	2	0.053401	3	8	2	0.008967
3	8	3	0.053401	3	8	3	0.008967
3	8	4	0.053401	3	8	4	0.008967
3	8	5	0.053401	3	8	5	0.008967
3	8	6	0.053401	3	8	6	0.008967
3	8	7	0.053401	3	8	7	0.008967
3	8	8	0.053401	3	8	8	0.008967
3	8	9	0.053401	3	8	9	0.008967
3	8	10	0.053401	3	8	10	0.008967
3	8	11	0.053401	3	8	11	0.008967
3	8	12	0.053401	3	8	12	0.008967
3	8	13	0.053401	3	8	13	0.008967
3	8	14	0.053401	3	8	14	0.008967
3	8	15	0.053401	3	8	15	0.008967
3	8	16	0.053401	3	8	16	0.008967
3	8	17	0.053401	3	8	17	0.008967
3	8	18	0.053401	3	8	18	0.008967
3	8	19	0.053401	3	8	19	0.008967
3	8	20	0.053401	3	8	20	0.008967
3	8	21	0.053401	3	8	21	0.008967
3	8	22	0.053401	3	8	22	0.008967
3	8	23	0.053401	3	8	23	0.008967
3	8	24	0.053401	3	8	24	0.008967
3	10	1	0.033321	3	10	1	0.006425
3	10	2	0.033321	3	10	2	0.006425
3	10	3	0.033321	3	10	3	0.006425
3	10	4	0.033321	3	10	4	0.006425
3	10	5	0.033321	3	10	5	0.006425
3	10	6	0.033321	3	10	6	0.006425
3	10	7	0.033321	3	10	7	0.006425
3	10	8	0.033321	3	10	8	0.006425
3	10	9	0.033321	3	10	9	0.006425
3	10	10	0.033321	3	10	10	0.006425
3	10	11	0.033321	3	10	11	0.006425
3	10	12	0.033321	3	10	12	0.006425
3	10	13	0.033321	3	10	13	0.006425
3	10	14	0.033321	3	10	14	0.006425
3	10	15	0.033321	3	10	15	0.006425
3	10	16	0.033321	3	10	16	0.006425
3	10	17	0.033321	3	10	17	0.006425
3	10	18	0.033321	3	10	18	0.006425
3	10	19	0.033321	3	10	19	0.006425
3	10	20	0.033321	3	10	20	0.006425
3	10	21	0.033321	3	10	21	0.006425
3	10	22	0.033321	3	10	22	0.006425
3	10	23	0.033321	3	10	23	0.006425
3	10	24	0.033321	3	10	24	0.006425

CAR Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	CAR	RoadTypeID	AverageSpeedID	HourID	CAR
3	11	1	0.026403	3	11	1	0.005543
3	11	2	0.026403	3	11	2	0.005543
3	11	3	0.026403	3	11	3	0.005543
3	11	4	0.026403	3	11	4	0.005543
3	11	5	0.026403	3	11	5	0.005543
3	11	6	0.026403	3	11	6	0.005543
3	11	7	0.026403	3	11	7	0.005543
3	11	8	0.026403	3	11	8	0.005543
3	11	9	0.026403	3	11	9	0.005543
3	11	10	0.026403	3	11	10	0.005543
3	11	11	0.026403	3	11	11	0.005543
3	11	12	0.026403	3	11	12	0.005543
3	11	13	0.026403	3	11	13	0.005543
3	11	14	0.026403	3	11	14	0.005543
3	11	15	0.026403	3	11	15	0.005543
3	11	16	0.026403	3	11	16	0.005543
3	11	17	0.026403	3	11	17	0.005543
3	11	18	0.026403	3	11	18	0.005543
3	11	19	0.026403	3	11	19	0.005543
3	11	20	0.026403	3	11	20	0.005543
3	11	21	0.026403	3	11	21	0.005543
3	11	22	0.026403	3	11	22	0.005543
3	11	23	0.026403	3	11	23	0.005543
3	11	24	0.026403	3	11	24	0.005543

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	7906.001	1	0	1	0.181629513
1	0	2	7906.001	1	0	2	0.181629513
1	0	3	7906.001	1	0	3	0.181629513
1	0	4	7906.001	1	0	4	0.181629513
1	0	5	7906.001	1	0	5	0.181629513
1	0	6	7906.001	1	0	6	0.181629513
1	0	7	7906.001	1	0	7	0.181629513
1	0	8	7906.001	1	0	8	0.181629513
1	0	9	7906.001	1	0	9	0.181629513
1	0	10	7906.001	1	0	10	0.181629513
1	0	11	7906.001	1	0	11	0.181629513
1	0	12	7906.001	1	0	12	0.181629513
1	0	13	7906.001	1	0	13	0.181629513
1	0	14	7906.001	1	0	14	0.181629513
1	0	15	7906.001	1	0	15	0.181629513
1	0	16	7906.001	1	0	16	0.181629513
1	0	17	7906.001	1	0	17	0.181629513
1	0	18	7906.001	1	0	18	0.181629513
1	0	19	7906.001	1	0	19	0.181629513
1	0	20	7906.001	1	0	20	0.181629513
1	0	21	7906.001	1	0	21	0.181629513
1	0	22	7906.001	1	0	22	0.181629513
1	0	23	7906.001	1	0	23	0.181629513
1	0	24	7906.001	1	0	24	0.181629513
2	1	1	6256.045	2	1	1	0.072920848
2	1	2	6256.045	2	1	2	0.072920848
2	1	3	6256.045	2	1	3	0.072920848
2	1	4	6256.045	2	1	4	0.072920848
2	1	5	6256.045	2	1	5	0.072920848
2	1	6	6256.045	2	1	6	0.072920848
2	1	7	6256.045	2	1	7	0.072920848
2	1	8	6256.045	2	1	8	0.072920848
2	1	9	6256.045	2	1	9	0.072920848
2	1	10	6256.045	2	1	10	0.072920848
2	1	11	6256.045	2	1	11	0.072920848
2	1	12	6256.045	2	1	12	0.072920848
2	1	13	6256.045	2	1	13	0.072920848
2	1	14	6256.045	2	1	14	0.072920848
2	1	15	6256.045	2	1	15	0.072920848
2	1	16	6256.045	2	1	16	0.072920848
2	1	17	6256.045	2	1	17	0.072920855
2	1	18	6256.045	2	1	18	0.072920848
2	1	19	6256.045	2	1	19	0.072920848
2	1	20	6256.045	2	1	20	0.072920848
2	1	21	6256.045	2	1	21	0.072920848
2	1	22	6256.045	2	1	22	0.072920848
2	1	23	6256.045	2	1	23	0.072920848
2	1	24	6256.045	2	1	24	0.072920848
2	7	1	1768.098	2	7	1	0.006076734

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	7	2	1768.098	2	7	2	0.006076734
2	7	3	1768.098	2	7	3	0.006076734
2	7	4	1768.098	2	7	4	0.006076734
2	7	5	1768.098	2	7	5	0.006076734
2	7	6	1768.098	2	7	6	0.006076734
2	7	7	1768.098	2	7	7	0.006076741
2	7	8	1768.098	2	7	8	0.006076734
2	7	9	1768.098	2	7	9	0.006076734
2	7	10	1768.098	2	7	10	0.006076734
2	7	11	1768.098	2	7	11	0.006076734
2	7	12	1768.098	2	7	12	0.006076734
2	7	13	1768.098	2	7	13	0.006076734
2	7	14	1768.098	2	7	14	0.006076741
2	7	15	1768.098	2	7	15	0.006076734
2	7	16	1768.098	2	7	16	0.006076734
2	7	17	1768.098	2	7	17	0.006076734
2	7	18	1768.098	2	7	18	0.006076734
2	7	19	1768.098	2	7	19	0.006076734
2	7	20	1768.098	2	7	20	0.006076734
2	7	21	1768.098	2	7	21	0.006076734
2	7	22	1768.098	2	7	22	0.006076734
2	7	23	1768.098	2	7	23	0.006076734
2	7	24	1768.098	2	7	24	0.006076741
2	8	1	1533.62	2	8	1	0.005208633
2	8	2	1533.62	2	8	2	0.005208633
2	8	3	1533.62	2	8	3	0.005208633
2	8	4	1533.62	2	8	4	0.005208633
2	8	5	1533.62	2	8	5	0.005208633
2	8	6	1533.62	2	8	6	0.005208633
2	8	7	1533.62	2	8	7	0.005208633
2	8	8	1533.62	2	8	8	0.005208633
2	8	9	1533.62	2	8	9	0.005208633
2	8	10	1533.62	2	8	10	0.005208633
2	8	11	1533.62	2	8	11	0.005208633
2	8	12	1533.62	2	8	12	0.005208633
2	8	13	1533.62	2	8	13	0.005208633
2	8	14	1533.62	2	8	14	0.005208633
2	8	15	1533.62	2	8	15	0.005208633
2	8	16	1533.62	2	8	16	0.005208633
2	8	17	1533.62	2	8	17	0.005208633
2	8	18	1533.62	2	8	18	0.005208633
2	8	19	1533.62	2	8	19	0.005208633
2	8	20	1533.62	2	8	20	0.005208633
2	8	21	1533.62	2	8	21	0.005208633
2	8	22	1533.62	2	8	22	0.005208633
2	8	23	1533.62	2	8	23	0.005208633
2	8	24	1533.62	2	8	24	0.005208633
2	10	1	1475.538	2	10	1	0.004051153
2	10	2	1475.538	2	10	2	0.004051153

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	10	3	1475.538	2	10	3	0.004051153
2	10	4	1475.538	2	10	4	0.004051153
2	10	5	1475.538	2	10	5	0.004051153
2	10	6	1475.538	2	10	6	0.004051153
2	10	7	1475.538	2	10	7	0.004051153
2	10	8	1475.538	2	10	8	0.004051153
2	10	9	1475.538	2	10	9	0.004051153
2	10	10	1475.538	2	10	10	0.004051153
2	10	11	1475.538	2	10	11	0.004051153
2	10	12	1475.538	2	10	12	0.004051153
2	10	13	1475.538	2	10	13	0.004051153
2	10	14	1475.538	2	10	14	0.004051153
2	10	15	1475.538	2	10	15	0.004051153
2	10	16	1475.538	2	10	16	0.004051153
2	10	17	1475.538	2	10	17	0.004051153
2	10	18	1475.538	2	10	18	0.004051153
2	10	19	1475.538	2	10	19	0.004051153
2	10	20	1475.538	2	10	20	0.004051153
2	10	21	1475.538	2	10	21	0.004051153
2	10	22	1475.538	2	10	22	0.004051153
2	10	23	1475.538	2	10	23	0.004051153
2	10	24	1475.538	2	10	24	0.004051153
2	11	1	1420.025	2	11	1	0.003646036
2	11	2	1420.025	2	11	2	0.003646036
2	11	3	1420.025	2	11	3	0.003646036
2	11	4	1420.025	2	11	4	0.003646036
2	11	5	1420.025	2	11	5	0.003646036
2	11	6	1420.025	2	11	6	0.003646036
2	11	7	1420.025	2	11	7	0.003646036
2	11	8	1420.025	2	11	8	0.003646036
2	11	9	1420.025	2	11	9	0.003646036
2	11	10	1420.025	2	11	10	0.003646036
2	11	11	1420.025	2	11	11	0.003646036
2	11	12	1420.025	2	11	12	0.003646036
2	11	13	1420.025	2	11	13	0.003646036
2	11	14	1420.025	2	11	14	0.003646036
2	11	15	1420.025	2	11	15	0.003646036
2	11	16	1420.025	2	11	16	0.003646036
2	11	17	1420.025	2	11	17	0.003646036
2	11	18	1420.025	2	11	18	0.003646036
2	11	19	1420.025	2	11	19	0.003646036
2	11	20	1420.025	2	11	20	0.003646036
2	11	21	1420.025	2	11	21	0.003646036
2	11	22	1420.025	2	11	22	0.003646036
2	11	23	1420.025	2	11	23	0.003646036
2	11	24	1420.025	2	11	24	0.003646036
3	1	1	6191.078	3	1	1	0.072920871
3	1	2	6191.078	3	1	2	0.072920871
3	1	3	6191.078	3	1	3	0.072920871

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	4	6191.078	3	1	4	0.072920871
3	1	5	6191.078	3	1	5	0.072920871
3	1	6	6191.078	3	1	6	0.072920871
3	1	7	6191.078	3	1	7	0.072920871
3	1	8	6191.078	3	1	8	0.072920871
3	1	9	6191.078	3	1	9	0.072920871
3	1	10	6191.078	3	1	10	0.072920871
3	1	11	6191.078	3	1	11	0.072920871
3	1	12	6191.078	3	1	12	0.072920871
3	1	13	6191.078	3	1	13	0.072920871
3	1	14	6191.078	3	1	14	0.072920871
3	1	15	6191.078	3	1	15	0.072920871
3	1	16	6191.078	3	1	16	0.072920871
3	1	17	6191.078	3	1	17	0.072920871
3	1	18	6191.078	3	1	18	0.072920871
3	1	19	6191.078	3	1	19	0.072920871
3	1	20	6191.078	3	1	20	0.072920871
3	1	21	6191.078	3	1	21	0.072920871
3	1	22	6191.078	3	1	22	0.072920871
3	1	23	6191.078	3	1	23	0.072920871
3	1	24	6191.078	3	1	24	0.072920871
3	7	1	1773.534	3	7	1	0.006076734
3	7	2	1773.534	3	7	2	0.006076734
3	7	3	1773.534	3	7	3	0.006076741
3	7	4	1773.534	3	7	4	0.006076734
3	7	5	1773.534	3	7	5	0.006076734
3	7	6	1773.534	3	7	6	0.006076734
3	7	7	1773.534	3	7	7	0.006076734
3	7	8	1773.534	3	7	8	0.006076734
3	7	9	1773.534	3	7	9	0.006076734
3	7	10	1773.534	3	7	10	0.006076734
3	7	11	1773.534	3	7	11	0.006076741
3	7	12	1773.534	3	7	12	0.006076734
3	7	13	1773.534	3	7	13	0.006076734
3	7	14	1773.534	3	7	14	0.006076734
3	7	15	1773.534	3	7	15	0.006076734
3	7	16	1773.534	3	7	16	0.006076734
3	7	17	1773.534	3	7	17	0.006076734
3	7	18	1773.534	3	7	18	0.006076734
3	7	19	1773.534	3	7	19	0.006076734
3	7	20	1773.534	3	7	20	0.006076734
3	7	21	1773.534	3	7	21	0.006076734
3	7	22	1773.534	3	7	22	0.006076734
3	7	23	1773.534	3	7	23	0.006076734
3	7	24	1773.534	3	7	24	0.006076734
3	8	1	1552.383	3	8	1	0.005208633
3	8	2	1552.383	3	8	2	0.005208633
3	8	3	1552.383	3	8	3	0.005208633
3	8	4	1552.383	3	8	4	0.005208633

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	8	5	1552.383	3	8	5	0.005208633
3	8	6	1552.383	3	8	6	0.005208633
3	8	7	1552.383	3	8	7	0.005208633
3	8	8	1552.383	3	8	8	0.005208633
3	8	9	1552.383	3	8	9	0.005208633
3	8	10	1552.383	3	8	10	0.005208633
3	8	11	1552.383	3	8	11	0.005208633
3	8	12	1552.383	3	8	12	0.005208633
3	8	13	1552.383	3	8	13	0.005208633
3	8	14	1552.383	3	8	14	0.005208633
3	8	15	1552.383	3	8	15	0.005208633
3	8	16	1552.383	3	8	16	0.005208633
3	8	17	1552.383	3	8	17	0.005208633
3	8	18	1552.383	3	8	18	0.005208633
3	8	19	1552.383	3	8	19	0.005208633
3	8	20	1552.383	3	8	20	0.005208633
3	8	21	1552.383	3	8	21	0.005208633
3	8	22	1552.383	3	8	22	0.005208633
3	8	23	1552.383	3	8	23	0.005208633
3	8	24	1552.383	3	8	24	0.005208633
3	10	1	1487.272	3	10	1	0.004051153
3	10	2	1487.272	3	10	2	0.004051153
3	10	3	1487.272	3	10	3	0.004051153
3	10	4	1487.272	3	10	4	0.004051153
3	10	5	1487.272	3	10	5	0.004051153
3	10	6	1487.272	3	10	6	0.004051153
3	10	7	1487.272	3	10	7	0.004051153
3	10	8	1487.272	3	10	8	0.004051153
3	10	9	1487.272	3	10	9	0.004051153
3	10	10	1487.272	3	10	10	0.004051153
3	10	11	1487.272	3	10	11	0.004051153
3	10	12	1487.272	3	10	12	0.004051153
3	10	13	1487.272	3	10	13	0.004051153
3	10	14	1487.272	3	10	14	0.004051153
3	10	15	1487.272	3	10	15	0.004051153
3	10	16	1487.272	3	10	16	0.004051153
3	10	17	1487.272	3	10	17	0.004051153
3	10	18	1487.272	3	10	18	0.004051153
3	10	19	1487.272	3	10	19	0.004051153
3	10	20	1487.272	3	10	20	0.004051153
3	10	21	1487.272	3	10	21	0.004051153
3	10	22	1487.272	3	10	22	0.004051153
3	10	23	1487.272	3	10	23	0.004051153
3	10	24	1487.272	3	10	24	0.004051153
3	11	1	1425.508	3	11	1	0.003646036
3	11	2	1425.508	3	11	2	0.003646036
3	11	3	1425.508	3	11	3	0.003646036
3	11	4	1425.508	3	11	4	0.003646036
3	11	5	1425.508	3	11	5	0.003646036

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	90	Atmospheric CO2		PollutantID	6	Nitrous Oxide (N2O)	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	6	1425.508	3	11	6	0.003646036
3	11	7	1425.508	3	11	7	0.003646036
3	11	8	1425.508	3	11	8	0.003646036
3	11	9	1425.508	3	11	9	0.003646036
3	11	10	1425.508	3	11	10	0.003646036
3	11	11	1425.508	3	11	11	0.003646036
3	11	12	1425.508	3	11	12	0.003646036
3	11	13	1425.508	3	11	13	0.003646036
3	11	14	1425.508	3	11	14	0.003646036
3	11	15	1425.508	3	11	15	0.003646036
3	11	16	1425.508	3	11	16	0.003646036
3	11	17	1425.508	3	11	17	0.003646036
3	11	18	1425.508	3	11	18	0.003646036
3	11	19	1425.508	3	11	19	0.003646036
3	11	20	1425.508	3	11	20	0.003646036
3	11	21	1425.508	3	11	21	0.003646036
3	11	22	1425.508	3	11	22	0.003646036
3	11	23	1425.508	3	11	23	0.003646036
3	11	24	1425.508	3	11	24	0.003646036

AECOM

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	15.6143
1	0	2	15.6143
1	0	3	15.6143
1	0	4	15.6143
1	0	5	15.6143
1	0	6	15.6143
1	0	7	15.6143
1	0	8	15.6143
1	0	9	15.6143
1	0	10	15.6143
1	0	11	15.6143
1	0	12	15.6143
1	0	13	15.6143
1	0	14	15.6143
1	0	15	15.6143
1	0	16	15.6143
1	0	17	15.6143
1	0	18	15.6143
1	0	19	15.6143
1	0	20	15.6143
1	0	21	15.6143
1	0	22	15.6143
1	0	23	15.6143
1	0	24	15.6143
2	1	1	9.323674
2	1	2	9.323674
2	1	3	9.323674
2	1	4	9.323674
2	1	5	9.323674
2	1	6	9.323674
2	1	7	9.323674
2	1	8	9.323674
2	1	9	9.323674
2	1	10	9.323674
2	1	11	9.323674
2	1	12	9.323674
2	1	13	9.323674
2	1	14	9.323674
2	1	15	9.323674
2	1	16	9.323674
2	1	17	9.323675
2	1	18	9.323674
2	1	19	9.323674
2	1	20	9.323674
2	1	21	9.323674
2	1	22	9.323674
2	1	23	9.323674
2	1	24	9.323674
2	7	1	1.113578

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	23.65192069
1	0	2	23.65192069
1	0	3	23.65192069
1	0	4	23.65192069
1	0	5	23.65192069
1	0	6	23.65192069
1	0	7	23.65192069
1	0	8	23.65192069
1	0	9	23.65192069
1	0	10	23.65192069
1	0	11	23.65192069
1	0	12	23.65192069
1	0	13	23.65192069
1	0	14	23.65192069
1	0	15	23.65192069
1	0	16	23.65192069
1	0	17	23.65192069
1	0	18	23.65192069
1	0	19	23.65192069
1	0	20	23.65192069
1	0	21	23.65192069
1	0	22	23.65192069
1	0	23	23.65192069
1	0	24	23.65192069
2	1	1	22.06964931
2	1	2	22.06964931
2	1	3	22.06964931
2	1	4	22.06964931
2	1	5	22.06964931
2	1	6	22.06964931
2	1	7	22.06964931
2	1	8	22.06964931
2	1	9	22.06964931
2	1	10	22.06964931
2	1	11	22.06964931
2	1	12	22.06964931
2	1	13	22.06964931
2	1	14	22.06964931
2	1	15	22.06964931
2	1	16	22.06964931
2	1	17	22.06964931
2	1	18	22.06964931
2	1	19	22.06964931
2	1	20	22.06964931
2	1	21	22.06964931
2	1	22	22.06964931
2	1	23	22.06964931
2	1	24	22.06964931
2	7	1	4.273724033

AECOM

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
2	7	2	1.113578
2	7	3	1.113578
2	7	4	1.113578
2	7	5	1.113578
2	7	6	1.113578
2	7	7	1.113578
2	7	8	1.113578
2	7	9	1.113578
2	7	10	1.113578
2	7	11	1.113578
2	7	12	1.113578
2	7	13	1.113578
2	7	14	1.113578
2	7	15	1.113578
2	7	16	1.113578
2	7	17	1.113578
2	7	18	1.113578
2	7	19	1.113578
2	7	20	1.113578
2	7	21	1.113578
2	7	22	1.113578
2	7	23	1.113578
2	7	24	1.113578
2	8	1	0.98044
2	8	2	0.98044
2	8	3	0.98044
2	8	4	0.98044
2	8	5	0.98044
2	8	6	0.98044
2	8	7	0.98044
2	8	8	0.98044
2	8	9	0.98044
2	8	10	0.98044
2	8	11	0.98044
2	8	12	0.98044
2	8	13	0.98044
2	8	14	0.98044
2	8	15	0.98044
2	8	16	0.98044
2	8	17	0.98044
2	8	18	0.98044
2	8	19	0.98044
2	8	20	0.98044
2	8	21	0.98044
2	8	22	0.98044
2	8	23	0.98044
2	8	24	0.98044
2	10	1	0.715757
2	10	2	0.715757

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
2	7	2	4.273724033
2	7	3	4.273724033
2	7	4	4.273724033
2	7	5	4.273724033
2	7	6	4.273724033
2	7	7	4.273724033
2	7	8	4.273724033
2	7	9	4.273724033
2	7	10	4.273724033
2	7	11	4.273724033
2	7	12	4.273724033
2	7	13	4.273724033
2	7	14	4.273724033
2	7	15	4.273724033
2	7	16	4.273724033
2	7	17	4.273724033
2	7	18	4.273724033
2	7	19	4.273724033
2	7	20	4.273724033
2	7	21	4.273724033
2	7	22	4.273724033
2	7	23	4.273724033
2	7	24	4.273724033
2	8	1	3.721384699
2	8	2	3.721384699
2	8	3	3.721384699
2	8	4	3.721384699
2	8	5	3.721384699
2	8	6	3.721384699
2	8	7	3.721384699
2	8	8	3.721384699
2	8	9	3.721384699
2	8	10	3.721384699
2	8	11	3.721384699
2	8	12	3.721384699
2	8	13	3.721384699
2	8	14	3.721384699
2	8	15	3.721384699
2	8	16	3.721384699
2	8	17	3.721384699
2	8	18	3.721384699
2	8	19	3.721384699
2	8	20	3.721384699
2	8	21	3.721384699
2	8	22	3.721384699
2	8	23	3.721384699
2	8	24	3.721384699
2	10	1	3.306645954
2	10	2	3.306646623

AECOM

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
2	10	3	0.715757
2	10	4	0.715757
2	10	5	0.715757
2	10	6	0.715757
2	10	7	0.715757
2	10	8	0.715757
2	10	9	0.715757
2	10	10	0.715757
2	10	11	0.715757
2	10	12	0.715757
2	10	13	0.715757
2	10	14	0.715757
2	10	15	0.715757
2	10	16	0.715757
2	10	17	0.715757
2	10	18	0.715757
2	10	19	0.715757
2	10	20	0.715757
2	10	21	0.715757
2	10	22	0.715757
2	10	23	0.715757
2	10	24	0.715757
2	11	1	0.61149
2	11	2	0.61149
2	11	3	0.61149
2	11	4	0.61149
2	11	5	0.61149
2	11	6	0.61149
2	11	7	0.61149
2	11	8	0.61149
2	11	9	0.61149
2	11	10	0.61149
2	11	11	0.61149
2	11	12	0.61149
2	11	13	0.61149
2	11	14	0.61149
2	11	15	0.61149
2	11	16	0.61149
2	11	17	0.61149
2	11	18	0.61149
2	11	19	0.61149
2	11	20	0.61149
2	11	21	0.61149
2	11	22	0.611491
2	11	23	0.61149
2	11	24	0.61149
3	1	1	9.052533
3	1	2	9.052533
3	1	3	9.052533

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
2	10	3	3.306645954
2	10	4	3.306645954
2	10	5	3.306645954
2	10	6	3.306645954
2	10	7	3.306645954
2	10	8	3.306645954
2	10	9	3.306645954
2	10	10	3.306645954
2	10	11	3.306645954
2	10	12	3.306645954
2	10	13	3.306645954
2	10	14	3.306645954
2	10	15	3.306645954
2	10	16	3.306645954
2	10	17	3.306645954
2	10	18	3.306645954
2	10	19	3.306646623
2	10	20	3.306645954
2	10	21	3.306646623
2	10	22	3.306645954
2	10	23	3.306645954
2	10	24	3.306645954
2	11	1	3.18648156
2	11	2	3.18648156
2	11	3	3.18648156
2	11	4	3.18648156
2	11	5	3.18648156
2	11	6	3.18648156
2	11	7	3.18648156
2	11	8	3.18648156
2	11	9	3.18648156
2	11	10	3.18648156
2	11	11	3.18648156
2	11	12	3.18648156
2	11	13	3.18648156
2	11	14	3.18648156
2	11	15	3.18648156
2	11	16	3.18648156
2	11	17	3.18648156
2	11	18	3.18648156
2	11	19	3.18648156
2	11	20	3.18648156
2	11	21	3.18648156
2	11	22	3.18648156
2	11	23	3.18648156
2	11	24	3.18648156
3	1	1	21.45846662
3	1	2	21.45846662
3	1	3	21.45846662

AECOM

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	1	4	9.052533
3	1	5	9.052533
3	1	6	9.052533
3	1	7	9.052533
3	1	8	9.052533
3	1	9	9.052533
3	1	10	9.052533
3	1	11	9.052533
3	1	12	9.052533
3	1	13	9.052533
3	1	14	9.052533
3	1	15	9.052533
3	1	16	9.052533
3	1	17	9.052533
3	1	18	9.052533
3	1	19	9.052533
3	1	20	9.052533
3	1	21	9.052533
3	1	22	9.052533
3	1	23	9.052533
3	1	24	9.052533
3	7	1	1.103185
3	7	2	1.103185
3	7	3	1.103185
3	7	4	1.103185
3	7	5	1.103185
3	7	6	1.103185
3	7	7	1.103185
3	7	8	1.103185
3	7	9	1.103185
3	7	10	1.103185
3	7	11	1.103185
3	7	12	1.103185
3	7	13	1.103185
3	7	14	1.103185
3	7	15	1.103185
3	7	16	1.103185
3	7	17	1.103185
3	7	18	1.103185
3	7	19	1.103185
3	7	20	1.103185
3	7	21	1.103185
3	7	22	1.103185
3	7	23	1.103185
3	7	24	1.103185
3	8	1	0.967703
3	8	2	0.967703
3	8	3	0.967703
3	8	4	0.967703

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	1	4	21.45846662
3	1	5	21.45846662
3	1	6	21.45846662
3	1	7	21.45846662
3	1	8	21.45846662
3	1	9	21.45846662
3	1	10	21.45846662
3	1	11	21.45846662
3	1	12	21.45846662
3	1	13	21.45846662
3	1	14	21.45846662
3	1	15	21.45846662
3	1	16	21.45846662
3	1	17	21.45846662
3	1	18	21.45846662
3	1	19	21.45846662
3	1	20	21.45846662
3	1	21	21.45846662
3	1	22	21.45846662
3	1	23	21.45846662
3	1	24	21.45846662
3	7	1	4.344776457
3	7	2	4.344776457
3	7	3	4.344776457
3	7	4	4.344776457
3	7	5	4.344776457
3	7	6	4.344776457
3	7	7	4.344776457
3	7	8	4.344776457
3	7	9	4.344776457
3	7	10	4.344776457
3	7	11	4.344776457
3	7	12	4.344776457
3	7	13	4.344776457
3	7	14	4.344776457
3	7	15	4.344776457
3	7	16	4.344776457
3	7	17	4.344776457
3	7	18	4.344776457
3	7	19	4.344776457
3	7	20	4.344776457
3	7	21	4.344776457
3	7	22	4.344776457
3	7	23	4.344776457
3	7	24	4.344776457
3	8	1	3.79970195
3	8	2	3.79970195
3	8	3	3.79970195
3	8	4	3.79970195

AECOM

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	8	5	0.967703
3	8	6	0.967703
3	8	7	0.967703
3	8	8	0.967703
3	8	9	0.967703
3	8	10	0.967703
3	8	11	0.967703
3	8	12	0.967703
3	8	13	0.967703
3	8	14	0.967703
3	8	15	0.967703
3	8	16	0.967703
3	8	17	0.967703
3	8	18	0.967703
3	8	19	0.967703
3	8	20	0.967703
3	8	21	0.967703
3	8	22	0.967703
3	8	23	0.967703
3	8	24	0.967703
3	10	1	0.707485
3	10	2	0.707485
3	10	3	0.707485
3	10	4	0.707485
3	10	5	0.707485
3	10	6	0.707485
3	10	7	0.707485
3	10	8	0.707485
3	10	9	0.707485
3	10	10	0.707485
3	10	11	0.707485
3	10	12	0.707485
3	10	13	0.707485
3	10	14	0.707485
3	10	15	0.707485
3	10	16	0.707485
3	10	17	0.707485
3	10	18	0.707485
3	10	19	0.707485
3	10	20	0.707485
3	10	21	0.707485
3	10	22	0.707485
3	10	23	0.707485
3	10	24	0.707485
3	11	1	0.607625
3	11	2	0.607625
3	11	3	0.607625
3	11	4	0.607626
3	11	5	0.607625

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	8	5	3.79970195
3	8	6	3.79970195
3	8	7	3.79970195
3	8	8	3.79970195
3	8	9	3.79970195
3	8	10	3.79970195
3	8	11	3.79970195
3	8	12	3.79970195
3	8	13	3.79970195
3	8	14	3.79970195
3	8	15	3.79970195
3	8	16	3.79970195
3	8	17	3.79970195
3	8	18	3.79970195
3	8	19	3.79970195
3	8	20	3.79970195
3	8	21	3.79970195
3	8	22	3.79970195
3	8	23	3.79970195
3	8	24	3.79970195
3	10	1	3.363887318
3	10	2	3.363887318
3	10	3	3.363887318
3	10	4	3.363887988
3	10	5	3.363887318
3	10	6	3.363887318
3	10	7	3.363887318
3	10	8	3.363887318
3	10	9	3.363887318
3	10	10	3.363887318
3	10	11	3.363887318
3	10	12	3.363887318
3	10	13	3.363887318
3	10	14	3.363887318
3	10	15	3.363887318
3	10	16	3.363887318
3	10	17	3.363887318
3	10	18	3.363887318
3	10	19	3.363887318
3	10	20	3.363887318
3	10	21	3.363887318
3	10	22	3.363887318
3	10	23	3.363887988
3	10	24	3.363887318
3	11	1	3.213230223
3	11	2	3.213230223
3	11	3	3.213230223
3	11	4	3.213230223
3	11	5	3.213230223

AECOM

TRK Travel Emission Rate Calculation: GHG (2041)

PollutantID	5	Methane (CH4)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	11	6	0.607625
3	11	7	0.607625
3	11	8	0.607625
3	11	9	0.607625
3	11	10	0.607625
3	11	11	0.607625
3	11	12	0.607625
3	11	13	0.607625
3	11	14	0.607625
3	11	15	0.607625
3	11	16	0.607625
3	11	17	0.607625
3	11	18	0.607625
3	11	19	0.607625
3	11	20	0.607625
3	11	21	0.607625
3	11	22	0.607625
3	11	23	0.607625
3	11	24	0.607625

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	2	Carbon monoxide (CO)	
			G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK
3	11	6	3.213230223
3	11	7	3.213230223
3	11	8	3.213230223
3	11	9	3.213230223
3	11	10	3.213230223
3	11	11	3.213230223
3	11	12	3.213230223
3	11	13	3.213230223
3	11	14	3.213230223
3	11	15	3.213230223
3	11	16	3.213230223
3	11	17	3.213230223
3	11	18	3.213230223
3	11	19	3.213230223
3	11	20	3.213230223
3	11	21	3.213230223
3	11	22	3.213230223
3	11	23	3.213230223
3	11	24	3.213230223

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	54.26460586	1	0	1	0.003051
1	0	2	54.26460586	1	0	2	0.003051
1	0	3	54.26460586	1	0	3	0.003051
1	0	4	54.26460586	1	0	4	0.003051
1	0	5	54.26460586	1	0	5	0.003051
1	0	6	54.26460586	1	0	6	0.003051
1	0	7	54.26460586	1	0	7	0.003051
1	0	8	54.26460586	1	0	8	0.003051
1	0	9	54.26460586	1	0	9	0.003051
1	0	10	54.26460586	1	0	10	0.003051
1	0	11	54.26460586	1	0	11	0.003051
1	0	12	54.26460586	1	0	12	0.003051
1	0	13	54.26460586	1	0	13	0.003051
1	0	14	54.26460586	1	0	14	0.003051
1	0	15	54.26460586	1	0	15	0.003051
1	0	16	54.26460586	1	0	16	0.003051
1	0	17	54.26460586	1	0	17	0.003051
1	0	18	54.26460586	1	0	18	0.003051
1	0	19	54.26460586	1	0	19	0.003051
1	0	20	54.26460586	1	0	20	0.003051
1	0	21	54.26460586	1	0	21	0.003051
1	0	22	54.26460586	1	0	22	0.003051
1	0	23	54.26460586	1	0	23	0.003051
1	0	24	54.26460586	1	0	24	0.003051
2	1	1	33.869098	2	1	1	0.002909
2	1	2	33.869098	2	1	2	0.002908
2	1	3	33.869098	2	1	3	0.002909
2	1	4	33.869098	2	1	4	0.002909
2	1	5	33.869098	2	1	5	0.00291
2	1	6	33.869098	2	1	6	0.002909
2	1	7	33.869098	2	1	7	0.002909
2	1	8	33.869098	2	1	8	0.00291
2	1	9	33.869098	2	1	9	0.00291
2	1	10	33.869098	2	1	10	0.00291
2	1	11	33.869098	2	1	11	0.002911
2	1	12	33.869098	2	1	12	0.002913
2	1	13	33.869098	2	1	13	0.002914
2	1	14	33.869098	2	1	14	0.002913
2	1	15	33.869098	2	1	15	0.002914
2	1	16	33.869098	2	1	16	0.002914
2	1	17	33.869098	2	1	17	0.002914
2	1	18	33.869098	2	1	18	0.002914
2	1	19	33.869098	2	1	19	0.002914
2	1	20	33.869098	2	1	20	0.002913
2	1	21	33.869098	2	1	21	0.002913
2	1	22	33.869098	2	1	22	0.002913
2	1	23	33.869098	2	1	23	0.002912
2	1	24	33.869098	2	1	24	0.00291
2	7	1	4.695412408	2	7	1	0.000413

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	7	2	4.695412408	2	7	2	0.000413
2	7	3	4.695412408	2	7	3	0.000413
2	7	4	4.695412408	2	7	4	0.000413
2	7	5	4.695412408	2	7	5	0.000413
2	7	6	4.695412408	2	7	6	0.000413
2	7	7	4.695412408	2	7	7	0.000413
2	7	8	4.695412408	2	7	8	0.000413
2	7	9	4.695412408	2	7	9	0.000413
2	7	10	4.695412408	2	7	10	0.000413
2	7	11	4.695412408	2	7	11	0.000413
2	7	12	4.695412408	2	7	12	0.000413
2	7	13	4.695412408	2	7	13	0.000413
2	7	14	4.69541916	2	7	14	0.000413
2	7	15	4.695412408	2	7	15	0.000413
2	7	16	4.695412408	2	7	16	0.000413
2	7	17	4.695412408	2	7	17	0.000413
2	7	18	4.695412408	2	7	18	0.000413
2	7	19	4.695412408	2	7	19	0.000413
2	7	20	4.69541916	2	7	20	0.000413
2	7	21	4.695412408	2	7	21	0.000413
2	7	22	4.695412408	2	7	22	0.000413
2	7	23	4.695412408	2	7	23	0.000413
2	7	24	4.695412408	2	7	24	0.000413
2	8	1	3.6188984	2	8	1	0.000364
2	8	2	3.6188984	2	8	2	0.000364
2	8	3	3.6188984	2	8	3	0.000364
2	8	4	3.6188984	2	8	4	0.000364
2	8	5	3.6188984	2	8	5	0.000365
2	8	6	3.6188984	2	8	6	0.000364
2	8	7	3.6188984	2	8	7	0.000364
2	8	8	3.6188984	2	8	8	0.000365
2	8	9	3.6188984	2	8	9	0.000365
2	8	10	3.6188984	2	8	10	0.000365
2	8	11	3.6188984	2	8	11	0.000365
2	8	12	3.6188984	2	8	12	0.000365
2	8	13	3.6188984	2	8	13	0.000365
2	8	14	3.6188984	2	8	14	0.000365
2	8	15	3.6188984	2	8	15	0.000365
2	8	16	3.6188984	2	8	16	0.000365
2	8	17	3.6188984	2	8	17	0.000365
2	8	18	3.6188984	2	8	18	0.000365
2	8	19	3.6188984	2	8	19	0.000365
2	8	20	3.6188984	2	8	20	0.000365
2	8	21	3.6188984	2	8	21	0.000365
2	8	22	3.6188984	2	8	22	0.000365
2	8	23	3.6188984	2	8	23	0.000365
2	8	24	3.6188984	2	8	24	0.000365
2	10	1	2.651894426	2	10	1	0.000299
2	10	2	2.651894426	2	10	2	0.000299

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	10	3	2.651894426	2	10	3	0.000299
2	10	4	2.651894426	2	10	4	0.000299
2	10	5	2.651894426	2	10	5	0.000299
2	10	6	2.651894426	2	10	6	0.000299
2	10	7	2.651894426	2	10	7	0.000299
2	10	8	2.651894426	2	10	8	0.000299
2	10	9	2.651894426	2	10	9	0.000299
2	10	10	2.651894426	2	10	10	0.000299
2	10	11	2.651894426	2	10	11	0.000299
2	10	12	2.651894426	2	10	12	0.000299
2	10	13	2.651894426	2	10	13	0.000299
2	10	14	2.651894426	2	10	14	0.000299
2	10	15	2.651894426	2	10	15	0.000299
2	10	16	2.651894426	2	10	16	0.000299
2	10	17	2.651894426	2	10	17	0.000299
2	10	18	2.651894426	2	10	18	0.000299
2	10	19	2.651894426	2	10	19	0.000299
2	10	20	2.651894426	2	10	20	0.000299
2	10	21	2.651894426	2	10	21	0.000299
2	10	22	2.651894426	2	10	22	0.000299
2	10	23	2.651894426	2	10	23	0.000299
2	10	24	2.651894426	2	10	24	0.000299
2	11	1	2.165322363	2	11	1	0.000284
2	11	2	2.165322363	2	11	2	0.000284
2	11	3	2.165322363	2	11	3	0.000284
2	11	4	2.165322363	2	11	4	0.000284
2	11	5	2.165322363	2	11	5	0.000284
2	11	6	2.165322363	2	11	6	0.000284
2	11	7	2.165322363	2	11	7	0.000284
2	11	8	2.165322363	2	11	8	0.000284
2	11	9	2.165322363	2	11	9	0.000284
2	11	10	2.165322363	2	11	10	0.000284
2	11	11	2.165322363	2	11	11	0.000284
2	11	12	2.165322363	2	11	12	0.000285
2	11	13	2.165322363	2	11	13	0.000285
2	11	14	2.165322363	2	11	14	0.000285
2	11	15	2.165322363	2	11	15	0.000285
2	11	16	2.165322363	2	11	16	0.000285
2	11	17	2.165322363	2	11	17	0.000285
2	11	18	2.165322363	2	11	18	0.000285
2	11	19	2.165322363	2	11	19	0.000285
2	11	20	2.165322363	2	11	20	0.000285
2	11	21	2.165322363	2	11	21	0.000285
2	11	22	2.165322363	2	11	22	0.000285
2	11	23	2.165322363	2	11	23	0.000285
2	11	24	2.165322363	2	11	24	0.000284
3	1	1	33.58951082	3	1	1	0.002787
3	1	2	33.58951082	3	1	2	0.002787
3	1	3	33.58951082	3	1	3	0.002787

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	4	33.58951082	3	1	4	0.002788
3	1	5	33.58951082	3	1	5	0.002789
3	1	6	33.58951082	3	1	6	0.002787
3	1	7	33.58951082	3	1	7	0.002788
3	1	8	33.58951082	3	1	8	0.002788
3	1	9	33.59160638	3	1	9	0.002788
3	1	10	33.59887842	3	1	10	0.002788
3	1	11	33.60474738	3	1	11	0.00279
3	1	12	33.60907779	3	1	12	0.002791
3	1	13	33.61203144	3	1	13	0.002792
3	1	14	33.61835535	3	1	14	0.002791
3	1	15	33.62128576	3	1	15	0.002792
3	1	16	33.62211245	3	1	16	0.002792
3	1	17	33.62160338	3	1	17	0.002792
3	1	18	33.61983558	3	1	18	0.002792
3	1	19	33.6107116	3	1	19	0.002792
3	1	20	33.60247949	3	1	20	0.002791
3	1	21	33.59489086	3	1	21	0.002791
3	1	22	33.58951082	3	1	22	0.002792
3	1	23	33.58951082	3	1	23	0.002791
3	1	24	33.58951082	3	1	24	0.002788
3	7	1	4.641308148	3	7	1	0.00041
3	7	2	4.641308148	3	7	2	0.00041
3	7	3	4.641308148	3	7	3	0.00041
3	7	4	4.641308148	3	7	4	0.00041
3	7	5	4.641308148	3	7	5	0.00041
3	7	6	4.641308148	3	7	6	0.00041
3	7	7	4.641308148	3	7	7	0.00041
3	7	8	4.641308148	3	7	8	0.00041
3	7	9	4.641308148	3	7	9	0.00041
3	7	10	4.641308148	3	7	10	0.00041
3	7	11	4.641308148	3	7	11	0.00041
3	7	12	4.641308148	3	7	12	0.000411
3	7	13	4.641308148	3	7	13	0.000411
3	7	14	4.641308148	3	7	14	0.000411
3	7	15	4.641308148	3	7	15	0.000411
3	7	16	4.641308148	3	7	16	0.000411
3	7	17	4.641308148	3	7	17	0.000411
3	7	18	4.641308148	3	7	18	0.000411
3	7	19	4.641308148	3	7	19	0.000411
3	7	20	4.641308148	3	7	20	0.000411
3	7	21	4.641308148	3	7	21	0.000411
3	7	22	4.641308148	3	7	22	0.000411
3	7	23	4.641308148	3	7	23	0.000411
3	7	24	4.641308148	3	7	24	0.00041
3	8	1	3.58705576	3	8	1	0.000367
3	8	2	3.58705576	3	8	2	0.000367
3	8	3	3.58705576	3	8	3	0.000367
3	8	4	3.58705576	3	8	4	0.000367

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	8	5	3.58705576	3	8	5	0.000367
3	8	6	3.58705576	3	8	6	0.000367
3	8	7	3.58705576	3	8	7	0.000367
3	8	8	3.58705576	3	8	8	0.000367
3	8	9	3.58705576	3	8	9	0.000367
3	8	10	3.58705576	3	8	10	0.000367
3	8	11	3.58705576	3	8	11	0.000367
3	8	12	3.58705576	3	8	12	0.000367
3	8	13	3.58705576	3	8	13	0.000367
3	8	14	3.58705576	3	8	14	0.000367
3	8	15	3.58705576	3	8	15	0.000367
3	8	16	3.58705576	3	8	16	0.000367
3	8	17	3.58705576	3	8	17	0.000367
3	8	18	3.58705576	3	8	18	0.000367
3	8	19	3.58705576	3	8	19	0.000367
3	8	20	3.58705576	3	8	20	0.000367
3	8	21	3.58705576	3	8	21	0.000367
3	8	22	3.58705576	3	8	22	0.000367
3	8	23	3.58705576	3	8	23	0.000367
3	8	24	3.58705576	3	8	24	0.000367
3	10	1	2.639255372	3	10	1	0.000304
3	10	2	2.639255372	3	10	2	0.000304
3	10	3	2.639255372	3	10	3	0.000304
3	10	4	2.639255376	3	10	4	0.000304
3	10	5	2.639255372	3	10	5	0.000304
3	10	6	2.639255376	3	10	6	0.000304
3	10	7	2.639255372	3	10	7	0.000304
3	10	8	2.639255372	3	10	8	0.000304
3	10	9	2.639255372	3	10	9	0.000304
3	10	10	2.639255372	3	10	10	0.000304
3	10	11	2.639255372	3	10	11	0.000305
3	10	12	2.639255372	3	10	12	0.000305
3	10	13	2.639255372	3	10	13	0.000305
3	10	14	2.639255372	3	10	14	0.000305
3	10	15	2.639255372	3	10	15	0.000305
3	10	16	2.639255372	3	10	16	0.000305
3	10	17	2.639255372	3	10	17	0.000305
3	10	18	2.639255372	3	10	18	0.000305
3	10	19	2.639255372	3	10	19	0.000305
3	10	20	2.639255372	3	10	20	0.000305
3	10	21	2.639255372	3	10	21	0.000305
3	10	22	2.639255372	3	10	22	0.000305
3	10	23	2.639255372	3	10	23	0.000305
3	10	24	2.639255372	3	10	24	0.000304
3	11	1	2.159415704	3	11	1	0.000287
3	11	2	2.159415704	3	11	2	0.000287
3	11	3	2.159415704	3	11	3	0.000287
3	11	4	2.159415704	3	11	4	0.000287
3	11	5	2.159415704	3	11	5	0.000287

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	3	Oxides of Nitrogen (NOx)		PollutantID	20	Benzene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	6	2.159415704	3	11	6	0.000287
3	11	7	2.159415704	3	11	7	0.000287
3	11	8	2.159415704	3	11	8	0.000287
3	11	9	2.159415704	3	11	9	0.000287
3	11	10	2.159415704	3	11	10	0.000287
3	11	11	2.159415704	3	11	11	0.000287
3	11	12	2.159415704	3	11	12	0.000287
3	11	13	2.159415704	3	11	13	0.000287
3	11	14	2.159415704	3	11	14	0.000287
3	11	15	2.159415704	3	11	15	0.000287
3	11	16	2.159415704	3	11	16	0.000287
3	11	17	2.159415704	3	11	17	0.000287
3	11	18	2.159415704	3	11	18	0.000287
3	11	19	2.159415704	3	11	19	0.000287
3	11	20	2.159415704	3	11	20	0.000287
3	11	21	2.159415704	3	11	21	0.000287
3	11	22	2.159415704	3	11	22	0.000287
3	11	23	2.159415704	3	11	23	0.000287
3	11	24	2.159415704	3	11	24	0.000287

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK
1	0	1	0	1	0	1	0.13099
1	0	2	0	1	0	2	0.13099
1	0	3	0	1	0	3	0.13099
1	0	4	0	1	0	4	0.13099
1	0	5	0	1	0	5	0.13099
1	0	6	0	1	0	6	0.13099
1	0	7	0	1	0	7	0.13099
1	0	8	0	1	0	8	0.13099
1	0	9	0	1	0	9	0.13099
1	0	10	0	1	0	10	0.13099
1	0	11	0	1	0	11	0.13099
1	0	12	0	1	0	12	0.13099
1	0	13	0	1	0	13	0.13099
1	0	14	0	1	0	14	0.13099
1	0	15	0	1	0	15	0.13099
1	0	16	0	1	0	16	0.13099
1	0	17	0	1	0	17	0.13099
1	0	18	0	1	0	18	0.13099
1	0	19	0	1	0	19	0.13099
1	0	20	0	1	0	20	0.13099
1	0	21	0	1	0	21	0.13099
1	0	22	0	1	0	22	0.13099
1	0	23	0	1	0	23	0.13099
1	0	24	0	1	0	24	0.13099
2	1	1	0	2	1	1	0.076827
2	1	2	0	2	1	2	0.076827
2	1	3	0	2	1	3	0.076827
2	1	4	0	2	1	4	0.076827
2	1	5	0	2	1	5	0.076827
2	1	6	0	2	1	6	0.076827
2	1	7	0	2	1	7	0.076827
2	1	8	0	2	1	8	0.076827
2	1	9	0	2	1	9	0.076827
2	1	10	0	2	1	10	0.076827
2	1	11	0	2	1	11	0.076827
2	1	12	0	2	1	12	0.076827
2	1	13	0	2	1	13	0.076827
2	1	14	0	2	1	14	0.076827
2	1	15	0	2	1	15	0.076827
2	1	16	0	2	1	16	0.076827
2	1	17	0	2	1	17	0.076827
2	1	18	0	2	1	18	0.076827
2	1	19	0	2	1	19	0.076827
2	1	20	0	2	1	20	0.076827
2	1	21	0	2	1	21	0.076827
2	1	22	0	2	1	22	0.076827
2	1	23	0	2	1	23	0.076827
2	1	24	0	2	1	24	0.076827
2	7	1	0	2	7	1	0.009171

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK
2	7	2	0	2	7	2	0.009171
2	7	3	0	2	7	3	0.009171
2	7	4	0	2	7	4	0.009171
2	7	5	0	2	7	5	0.009171
2	7	6	0	2	7	6	0.009171
2	7	7	0	2	7	7	0.009171
2	7	8	0	2	7	8	0.009171
2	7	9	0	2	7	9	0.009171
2	7	10	0	2	7	10	0.009171
2	7	11	0	2	7	11	0.009171
2	7	12	0	2	7	12	0.009171
2	7	13	0	2	7	13	0.009171
2	7	14	0	2	7	14	0.009171
2	7	15	0	2	7	15	0.009171
2	7	16	0	2	7	16	0.009171
2	7	17	0	2	7	17	0.009171
2	7	18	0	2	7	18	0.009171
2	7	19	0	2	7	19	0.009171
2	7	20	0	2	7	20	0.009171
2	7	21	0	2	7	21	0.009171
2	7	22	0	2	7	22	0.009171
2	7	23	0	2	7	23	0.009171
2	7	24	0	2	7	24	0.009171
2	8	1	0	2	8	1	0.007911
2	8	2	0	2	8	2	0.007911
2	8	3	0	2	8	3	0.007911
2	8	4	0	2	8	4	0.007911
2	8	5	0	2	8	5	0.007911
2	8	6	0	2	8	6	0.007911
2	8	7	0	2	8	7	0.007911
2	8	8	0	2	8	8	0.007911
2	8	9	0	2	8	9	0.007911
2	8	10	0	2	8	10	0.007911
2	8	11	0	2	8	11	0.007911
2	8	12	0	2	8	12	0.007911
2	8	13	0	2	8	13	0.007911
2	8	14	0	2	8	14	0.007911
2	8	15	0	2	8	15	0.007911
2	8	16	0	2	8	16	0.007911
2	8	17	0	2	8	17	0.007911
2	8	18	0	2	8	18	0.007911
2	8	19	0	2	8	19	0.007911
2	8	20	0	2	8	20	0.007911
2	8	21	0	2	8	21	0.007911
2	8	22	0	2	8	22	0.007911
2	8	23	0	2	8	23	0.007911
2	8	24	0	2	8	24	0.007911
2	10	1	0	2	10	1	0.005989
2	10	2	0	2	10	2	0.005989

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	10	3	0	2	10	3	0.005989
2	10	4	0	2	10	4	0.005989
2	10	5	0	2	10	5	0.005989
2	10	6	0	2	10	6	0.005989
2	10	7	0	2	10	7	0.005989
2	10	8	0	2	10	8	0.005989
2	10	9	0	2	10	9	0.005989
2	10	10	0	2	10	10	0.005989
2	10	11	0	2	10	11	0.005989
2	10	12	0	2	10	12	0.005989
2	10	13	0	2	10	13	0.005989
2	10	14	0	2	10	14	0.005989
2	10	15	0	2	10	15	0.005989
2	10	16	0	2	10	16	0.005989
2	10	17	0	2	10	17	0.005989
2	10	18	0	2	10	18	0.005989
2	10	19	0	2	10	19	0.005989
2	10	20	0	2	10	20	0.005989
2	10	21	0	2	10	21	0.005989
2	10	22	0	2	10	22	0.005989
2	10	23	0	2	10	23	0.005989
2	10	24	0	2	10	24	0.005989
2	11	1	0	2	11	1	0.005177
2	11	2	0	2	11	2	0.005177
2	11	3	0	2	11	3	0.005177
2	11	4	0	2	11	4	0.005177
2	11	5	0	2	11	5	0.005177
2	11	6	0	2	11	6	0.005177
2	11	7	0	2	11	7	0.005177
2	11	8	0	2	11	8	0.005177
2	11	9	0	2	11	9	0.005177
2	11	10	0	2	11	10	0.005177
2	11	11	0	2	11	11	0.005177
2	11	12	0	2	11	12	0.005177
2	11	13	0	2	11	13	0.005177
2	11	14	0	2	11	14	0.005177
2	11	15	0	2	11	15	0.005177
2	11	16	0	2	11	16	0.005177
2	11	17	0	2	11	17	0.005177
2	11	18	0	2	11	18	0.005177
2	11	19	0	2	11	19	0.005177
2	11	20	0	2	11	20	0.005177
2	11	21	0	2	11	21	0.005177
2	11	22	0	2	11	22	0.005177
2	11	23	0	2	11	23	0.005177
2	11	24	0	2	11	24	0.005177
3	1	1	0	3	1	1	0.074916
3	1	2	0	3	1	2	0.074916
3	1	3	0	3	1	3	0.074916

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	4	0	3	1	4	0.074916
3	1	5	0	3	1	5	0.074916
3	1	6	0	3	1	6	0.074916
3	1	7	0	3	1	7	0.074916
3	1	8	0	3	1	8	0.074916
3	1	9	0	3	1	9	0.074916
3	1	10	0	3	1	10	0.074916
3	1	11	0	3	1	11	0.074916
3	1	12	0	3	1	12	0.074916
3	1	13	0	3	1	13	0.074916
3	1	14	0	3	1	14	0.074916
3	1	15	0	3	1	15	0.074916
3	1	16	0	3	1	16	0.074916
3	1	17	0	3	1	17	0.074916
3	1	18	0	3	1	18	0.074916
3	1	19	0	3	1	19	0.074916
3	1	20	0	3	1	20	0.074916
3	1	21	0	3	1	21	0.074916
3	1	22	0	3	1	22	0.074916
3	1	23	0	3	1	23	0.074916
3	1	24	0	3	1	24	0.074916
3	7	1	0	3	7	1	0.00909
3	7	2	0	3	7	2	0.00909
3	7	3	0	3	7	3	0.00909
3	7	4	0	3	7	4	0.00909
3	7	5	0	3	7	5	0.00909
3	7	6	0	3	7	6	0.00909
3	7	7	0	3	7	7	0.00909
3	7	8	0	3	7	8	0.00909
3	7	9	0	3	7	9	0.00909
3	7	10	0	3	7	10	0.00909
3	7	11	0	3	7	11	0.00909
3	7	12	0	3	7	12	0.00909
3	7	13	0	3	7	13	0.00909
3	7	14	0	3	7	14	0.00909
3	7	15	0	3	7	15	0.00909
3	7	16	0	3	7	16	0.00909
3	7	17	0	3	7	17	0.00909
3	7	18	0	3	7	18	0.00909
3	7	19	0	3	7	19	0.00909
3	7	20	0	3	7	20	0.00909
3	7	21	0	3	7	21	0.00909
3	7	22	0	3	7	22	0.00909
3	7	23	0	3	7	23	0.00909
3	7	24	0	3	7	24	0.00909
3	8	1	0	3	8	1	0.007822
3	8	2	0	3	8	2	0.007822
3	8	3	0	3	8	3	0.007822
3	8	4	0	3	8	4	0.007822

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	8	5	0	3	8	5	0.007822
3	8	6	0	3	8	6	0.007822
3	8	7	0	3	8	7	0.007822
3	8	8	0	3	8	8	0.007822
3	8	9	0	3	8	9	0.007822
3	8	10	0	3	8	10	0.007822
3	8	11	0	3	8	11	0.007822
3	8	12	0	3	8	12	0.007822
3	8	13	0	3	8	13	0.007822
3	8	14	0	3	8	14	0.007822
3	8	15	0	3	8	15	0.007822
3	8	16	0	3	8	16	0.007822
3	8	17	0	3	8	17	0.007822
3	8	18	0	3	8	18	0.007822
3	8	19	0	3	8	19	0.007822
3	8	20	0	3	8	20	0.007822
3	8	21	0	3	8	21	0.007822
3	8	22	0	3	8	22	0.007822
3	8	23	0	3	8	23	0.007822
3	8	24	0	3	8	24	0.007822
3	10	1	0	3	10	1	0.005934
3	10	2	0	3	10	2	0.005934
3	10	3	0	3	10	3	0.005934
3	10	4	0	3	10	4	0.005934
3	10	5	0	3	10	5	0.005934
3	10	6	0	3	10	6	0.005934
3	10	7	0	3	10	7	0.005934
3	10	8	0	3	10	8	0.005934
3	10	9	0	3	10	9	0.005934
3	10	10	0	3	10	10	0.005934
3	10	11	0	3	10	11	0.005934
3	10	12	0	3	10	12	0.005934
3	10	13	0	3	10	13	0.005934
3	10	14	0	3	10	14	0.005934
3	10	15	0	3	10	15	0.005934
3	10	16	0	3	10	16	0.005934
3	10	17	0	3	10	17	0.005934
3	10	18	0	3	10	18	0.005934
3	10	19	0	3	10	19	0.005934
3	10	20	0	3	10	20	0.005934
3	10	21	0	3	10	21	0.005934
3	10	22	0	3	10	22	0.005934
3	10	23	0	3	10	23	0.005934
3	10	24	0	3	10	24	0.005934
3	11	1	0	3	11	1	0.005151
3	11	2	0	3	11	2	0.005151
3	11	3	0	3	11	3	0.005151
3	11	4	0	3	11	4	0.005151
3	11	5	0	3	11	5	0.005151

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	24	1,3-Butadiene		PollutantID	25	Formaldehyde	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	6	0	3	11	6	0.005151
3	11	7	0	3	11	7	0.005151
3	11	8	0	3	11	8	0.005151
3	11	9	0	3	11	9	0.005151
3	11	10	0	3	11	10	0.005151
3	11	11	0	3	11	11	0.005151
3	11	12	0	3	11	12	0.005151
3	11	13	0	3	11	13	0.005151
3	11	14	0	3	11	14	0.005151
3	11	15	0	3	11	15	0.005151
3	11	16	0	3	11	16	0.005151
3	11	17	0	3	11	17	0.005151
3	11	18	0	3	11	18	0.005151
3	11	19	0	3	11	19	0.005151
3	11	20	0	3	11	20	0.005151
3	11	21	0	3	11	21	0.005151
3	11	22	0	3	11	22	0.005151
3	11	23	0	3	11	23	0.005151
3	11	24	0	3	11	24	0.005151

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	0.134012	1	0	1	0.004354
1	0	2	0.134012	1	0	2	0.004354
1	0	3	0.134012	1	0	3	0.004354
1	0	4	0.134012	1	0	4	0.004354
1	0	5	0.134012	1	0	5	0.004354
1	0	6	0.134012	1	0	6	0.004354
1	0	7	0.134012	1	0	7	0.004354
1	0	8	0.134012	1	0	8	0.004354
1	0	9	0.134012	1	0	9	0.004354
1	0	10	0.134012	1	0	10	0.004354
1	0	11	0.134012	1	0	11	0.004354
1	0	12	0.134012	1	0	12	0.004354
1	0	13	0.134012	1	0	13	0.004354
1	0	14	0.134012	1	0	14	0.004354
1	0	15	0.134012	1	0	15	0.004354
1	0	16	0.134012	1	0	16	0.004354
1	0	17	0.134012	1	0	17	0.004354
1	0	18	0.134012	1	0	18	0.004354
1	0	19	0.134012	1	0	19	0.004354
1	0	20	0.134012	1	0	20	0.004354
1	0	21	0.134012	1	0	21	0.004354
1	0	22	0.134012	1	0	22	0.004354
1	0	23	0.134012	1	0	23	0.004354
1	0	24	0.134012	1	0	24	0.004354
2	1	1	0.077444	2	1	1	0.002378
2	1	2	0.077444	2	1	2	0.002378
2	1	3	0.077444	2	1	3	0.002378
2	1	4	0.077444	2	1	4	0.002378
2	1	5	0.077444	2	1	5	0.002378
2	1	6	0.077444	2	1	6	0.002378
2	1	7	0.077444	2	1	7	0.002378
2	1	8	0.077444	2	1	8	0.002378
2	1	9	0.077444	2	1	9	0.002378
2	1	10	0.077444	2	1	10	0.002378
2	1	11	0.077444	2	1	11	0.002378
2	1	12	0.077444	2	1	12	0.002378
2	1	13	0.077444	2	1	13	0.002378
2	1	14	0.077444	2	1	14	0.002378
2	1	15	0.077444	2	1	15	0.002378
2	1	16	0.077444	2	1	16	0.002378
2	1	17	0.077444	2	1	17	0.002378
2	1	18	0.077444	2	1	18	0.002378
2	1	19	0.077444	2	1	19	0.002378
2	1	20	0.077444	2	1	20	0.002378
2	1	21	0.077444	2	1	21	0.002378
2	1	22	0.077444	2	1	22	0.002378
2	1	23	0.077444	2	1	23	0.002378
2	1	24	0.077444	2	1	24	0.002378
2	7	1	0.00922	2	7	1	0.000282

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	7	2	0.00922	2	7	2	0.000282
2	7	3	0.00922	2	7	3	0.000282
2	7	4	0.00922	2	7	4	0.000282
2	7	5	0.00922	2	7	5	0.000282
2	7	6	0.00922	2	7	6	0.000282
2	7	7	0.00922	2	7	7	0.000282
2	7	8	0.00922	2	7	8	0.000282
2	7	9	0.00922	2	7	9	0.000282
2	7	10	0.00922	2	7	10	0.000282
2	7	11	0.00922	2	7	11	0.000282
2	7	12	0.00922	2	7	12	0.000282
2	7	13	0.00922	2	7	13	0.000282
2	7	14	0.00922	2	7	14	0.000282
2	7	15	0.00922	2	7	15	0.000282
2	7	16	0.00922	2	7	16	0.000282
2	7	17	0.00922	2	7	17	0.000282
2	7	18	0.00922	2	7	18	0.000282
2	7	19	0.00922	2	7	19	0.000282
2	7	20	0.00922	2	7	20	0.000282
2	7	21	0.00922	2	7	21	0.000282
2	7	22	0.00922	2	7	22	0.000282
2	7	23	0.00922	2	7	23	0.000282
2	7	24	0.00922	2	7	24	0.000282
2	8	1	0.007842	2	8	1	0.000222
2	8	2	0.007842	2	8	2	0.000222
2	8	3	0.007842	2	8	3	0.000222
2	8	4	0.007842	2	8	4	0.000222
2	8	5	0.007842	2	8	5	0.000222
2	8	6	0.007842	2	8	6	0.000222
2	8	7	0.007842	2	8	7	0.000222
2	8	8	0.007842	2	8	8	0.000222
2	8	9	0.007842	2	8	9	0.000222
2	8	10	0.007842	2	8	10	0.000222
2	8	11	0.007842	2	8	11	0.000222
2	8	12	0.007842	2	8	12	0.000222
2	8	13	0.007842	2	8	13	0.000222
2	8	14	0.007842	2	8	14	0.000222
2	8	15	0.007842	2	8	15	0.000222
2	8	16	0.007842	2	8	16	0.000222
2	8	17	0.007842	2	8	17	0.000222
2	8	18	0.007842	2	8	18	0.000222
2	8	19	0.007842	2	8	19	0.000222
2	8	20	0.007842	2	8	20	0.000222
2	8	21	0.007842	2	8	21	0.000222
2	8	22	0.007842	2	8	22	0.000222
2	8	23	0.007842	2	8	23	0.000222
2	8	24	0.007842	2	8	24	0.000222
2	10	1	0.006053	2	10	1	0.000191
2	10	2	0.006053	2	10	2	0.000191

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	10	3	0.006053	2	10	3	0.000191
2	10	4	0.006053	2	10	4	0.000191
2	10	5	0.006053	2	10	5	0.000191
2	10	6	0.006053	2	10	6	0.000191
2	10	7	0.006053	2	10	7	0.000191
2	10	8	0.006053	2	10	8	0.000191
2	10	9	0.006053	2	10	9	0.000191
2	10	10	0.006053	2	10	10	0.000191
2	10	11	0.006053	2	10	11	0.000191
2	10	12	0.006053	2	10	12	0.000191
2	10	13	0.006053	2	10	13	0.000191
2	10	14	0.006053	2	10	14	0.000191
2	10	15	0.006053	2	10	15	0.000191
2	10	16	0.006053	2	10	16	0.000191
2	10	17	0.006053	2	10	17	0.000191
2	10	18	0.006053	2	10	18	0.000191
2	10	19	0.006053	2	10	19	0.000191
2	10	20	0.006053	2	10	20	0.000191
2	10	21	0.006053	2	10	21	0.000191
2	10	22	0.006053	2	10	22	0.000191
2	10	23	0.006053	2	10	23	0.000191
2	10	24	0.006053	2	10	24	0.000191
2	11	1	0.005253	2	11	1	0.00017
2	11	2	0.005253	2	11	2	0.00017
2	11	3	0.005253	2	11	3	0.00017
2	11	4	0.005253	2	11	4	0.00017
2	11	5	0.005253	2	11	5	0.00017
2	11	6	0.005253	2	11	6	0.00017
2	11	7	0.005253	2	11	7	0.00017
2	11	8	0.005253	2	11	8	0.00017
2	11	9	0.005253	2	11	9	0.00017
2	11	10	0.005253	2	11	10	0.00017
2	11	11	0.005253	2	11	11	0.00017
2	11	12	0.005253	2	11	12	0.00017
2	11	13	0.005253	2	11	13	0.00017
2	11	14	0.005253	2	11	14	0.00017
2	11	15	0.005253	2	11	15	0.00017
2	11	16	0.005253	2	11	16	0.00017
2	11	17	0.005253	2	11	17	0.00017
2	11	18	0.005253	2	11	18	0.00017
2	11	19	0.005253	2	11	19	0.00017
2	11	20	0.005253	2	11	20	0.00017
2	11	21	0.005253	2	11	21	0.00017
2	11	22	0.005253	2	11	22	0.00017
2	11	23	0.005253	2	11	23	0.00017
2	11	24	0.005253	2	11	24	0.00017
3	1	1	0.075724	3	1	1	0.002356
3	1	2	0.075724	3	1	2	0.002356
3	1	3	0.075724	3	1	3	0.002356

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	4	0.075724	3	1	4	0.002356
3	1	5	0.075724	3	1	5	0.002356
3	1	6	0.075724	3	1	6	0.002356
3	1	7	0.075724	3	1	7	0.002356
3	1	8	0.075724	3	1	8	0.002356
3	1	9	0.075724	3	1	9	0.002356
3	1	10	0.075724	3	1	10	0.002356
3	1	11	0.075724	3	1	11	0.002356
3	1	12	0.075724	3	1	12	0.002356
3	1	13	0.075724	3	1	13	0.002356
3	1	14	0.075724	3	1	14	0.002356
3	1	15	0.075724	3	1	15	0.002356
3	1	16	0.075724	3	1	16	0.002356
3	1	17	0.075724	3	1	17	0.002356
3	1	18	0.075724	3	1	18	0.002356
3	1	19	0.075724	3	1	19	0.002356
3	1	20	0.075724	3	1	20	0.002356
3	1	21	0.075724	3	1	21	0.002356
3	1	22	0.075724	3	1	22	0.002356
3	1	23	0.075724	3	1	23	0.002356
3	1	24	0.075724	3	1	24	0.002356
3	7	1	0.00914	3	7	1	0.00028
3	7	2	0.00914	3	7	2	0.00028
3	7	3	0.00914	3	7	3	0.00028
3	7	4	0.00914	3	7	4	0.00028
3	7	5	0.00914	3	7	5	0.00028
3	7	6	0.00914	3	7	6	0.00028
3	7	7	0.00914	3	7	7	0.00028
3	7	8	0.00914	3	7	8	0.00028
3	7	9	0.00914	3	7	9	0.00028
3	7	10	0.00914	3	7	10	0.00028
3	7	11	0.00914	3	7	11	0.00028
3	7	12	0.00914	3	7	12	0.00028
3	7	13	0.00914	3	7	13	0.00028
3	7	14	0.00914	3	7	14	0.00028
3	7	15	0.00914	3	7	15	0.00028
3	7	16	0.00914	3	7	16	0.00028
3	7	17	0.00914	3	7	17	0.00028
3	7	18	0.00914	3	7	18	0.00028
3	7	19	0.00914	3	7	19	0.00028
3	7	20	0.00914	3	7	20	0.00028
3	7	21	0.00914	3	7	21	0.00028
3	7	22	0.00914	3	7	22	0.00028
3	7	23	0.00914	3	7	23	0.00028
3	7	24	0.00914	3	7	24	0.00028
3	8	1	0.007759	3	8	1	0.000221
3	8	2	0.007759	3	8	2	0.000221
3	8	3	0.007759	3	8	3	0.000221
3	8	4	0.007759	3	8	4	0.000221

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	8	5	0.007759	3	8	5	0.000221
3	8	6	0.007759	3	8	6	0.000221
3	8	7	0.007759	3	8	7	0.000221
3	8	8	0.007759	3	8	8	0.000221
3	8	9	0.007759	3	8	9	0.000221
3	8	10	0.007759	3	8	10	0.000221
3	8	11	0.007759	3	8	11	0.000221
3	8	12	0.007759	3	8	12	0.000221
3	8	13	0.007759	3	8	13	0.000221
3	8	14	0.007759	3	8	14	0.000221
3	8	15	0.007759	3	8	15	0.000221
3	8	16	0.007759	3	8	16	0.000221
3	8	17	0.007759	3	8	17	0.000221
3	8	18	0.007759	3	8	18	0.000221
3	8	19	0.007759	3	8	19	0.000221
3	8	20	0.007759	3	8	20	0.000221
3	8	21	0.007759	3	8	21	0.000221
3	8	22	0.007759	3	8	22	0.000221
3	8	23	0.007759	3	8	23	0.000221
3	8	24	0.007759	3	8	24	0.000221
3	10	1	0.006004	3	10	1	0.000191
3	10	2	0.006004	3	10	2	0.000191
3	10	3	0.006004	3	10	3	0.000191
3	10	4	0.006004	3	10	4	0.000191
3	10	5	0.006004	3	10	5	0.000191
3	10	6	0.006004	3	10	6	0.000191
3	10	7	0.006004	3	10	7	0.000191
3	10	8	0.006004	3	10	8	0.000191
3	10	9	0.006004	3	10	9	0.000191
3	10	10	0.006004	3	10	10	0.000191
3	10	11	0.006004	3	10	11	0.000191
3	10	12	0.006004	3	10	12	0.000191
3	10	13	0.006004	3	10	13	0.000191
3	10	14	0.006004	3	10	14	0.000191
3	10	15	0.006004	3	10	15	0.000191
3	10	16	0.006004	3	10	16	0.000191
3	10	17	0.006004	3	10	17	0.000191
3	10	18	0.006004	3	10	18	0.000191
3	10	19	0.006004	3	10	19	0.000191
3	10	20	0.006004	3	10	20	0.000191
3	10	21	0.006004	3	10	21	0.000191
3	10	22	0.006004	3	10	22	0.000191
3	10	23	0.006004	3	10	23	0.000191
3	10	24	0.006004	3	10	24	0.000191
3	11	1	0.00523	3	11	1	0.00017
3	11	2	0.00523	3	11	2	0.00017
3	11	3	0.00523	3	11	3	0.00017
3	11	4	0.00523	3	11	4	0.00017
3	11	5	0.00523	3	11	5	0.00017

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	26	Acetaldehyde		PollutantID	27	Acrolein	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	6	0.00523	3	11	6	0.00017
3	11	7	0.00523	3	11	7	0.00017
3	11	8	0.00523	3	11	8	0.00017
3	11	9	0.00523	3	11	9	0.00017
3	11	10	0.00523	3	11	10	0.00017
3	11	11	0.00523	3	11	11	0.00017
3	11	12	0.00523	3	11	12	0.00017
3	11	13	0.00523	3	11	13	0.00017
3	11	14	0.00523	3	11	14	0.00017
3	11	15	0.00523	3	11	15	0.00017
3	11	16	0.00523	3	11	16	0.00017
3	11	17	0.00523	3	11	17	0.00017
3	11	18	0.00523	3	11	18	0.00017
3	11	19	0.00523	3	11	19	0.00017
3	11	20	0.00523	3	11	20	0.00017
3	11	21	0.00523	3	11	21	0.00017
3	11	22	0.00523	3	11	22	0.00017
3	11	23	0.00523	3	11	23	0.00017
3	11	24	0.00523	3	11	24	0.00017

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
1	0	1	0.028233345	1	0	1	8.73014E-07
1	0	2	0.028233345	1	0	2	8.73014E-07
1	0	3	0.028233345	1	0	3	8.73014E-07
1	0	4	0.028233345	1	0	4	8.73014E-07
1	0	5	0.028233345	1	0	5	8.73014E-07
1	0	6	0.028233345	1	0	6	8.73014E-07
1	0	7	0.028233345	1	0	7	8.73014E-07
1	0	8	0.028233345	1	0	8	8.73014E-07
1	0	9	0.028233345	1	0	9	8.73014E-07
1	0	10	0.028233345	1	0	10	8.73014E-07
1	0	11	0.028233345	1	0	11	8.73014E-07
1	0	12	0.028233345	1	0	12	8.73014E-07
1	0	13	0.028233345	1	0	13	8.73014E-07
1	0	14	0.028233345	1	0	14	8.73014E-07
1	0	15	0.028233345	1	0	15	8.73014E-07
1	0	16	0.028233345	1	0	16	8.73014E-07
1	0	17	0.028233345	1	0	17	8.73014E-07
1	0	18	0.028233345	1	0	18	8.73014E-07
1	0	19	0.028233345	1	0	19	8.73014E-07
1	0	20	0.028233345	1	0	20	8.73014E-07
1	0	21	0.028233345	1	0	21	8.73014E-07
1	0	22	0.028233345	1	0	22	8.73014E-07
1	0	23	0.028233345	1	0	23	8.73014E-07
1	0	24	0.028233345	1	0	24	8.73014E-07
2	1	1	0.022144593	2	1	1	1.00439E-06
2	1	2	0.022144593	2	1	2	1.00439E-06
2	1	3	0.022144593	2	1	3	1.00439E-06
2	1	4	0.022144593	2	1	4	1.00439E-06
2	1	5	0.022144593	2	1	5	1.00439E-06
2	1	6	0.022144593	2	1	6	1.00439E-06
2	1	7	0.022144593	2	1	7	1.00439E-06
2	1	8	0.022144593	2	1	8	1.00439E-06
2	1	9	0.022144593	2	1	9	1.00439E-06
2	1	10	0.022144593	2	1	10	1.00439E-06
2	1	11	0.022144593	2	1	11	1.00439E-06
2	1	12	0.022144593	2	1	12	1.00439E-06
2	1	13	0.022144593	2	1	13	1.00439E-06
2	1	14	0.022144593	2	1	14	1.00439E-06
2	1	15	0.022144593	2	1	15	1.00439E-06
2	1	16	0.022144593	2	1	16	1.00439E-06
2	1	17	0.022144593	2	1	17	1.00439E-06
2	1	18	0.022144593	2	1	18	1.00439E-06
2	1	19	0.022144593	2	1	19	1.00439E-06
2	1	20	0.022144593	2	1	20	1.00439E-06
2	1	21	0.022144593	2	1	21	1.00439E-06
2	1	22	0.022144593	2	1	22	1.00439E-06
2	1	23	0.022144593	2	1	23	1.00439E-06
2	1	24	0.022144593	2	1	24	1.00439E-06
2	7	1	0.006175602	2	7	1	2.62372E-07

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	7	2	0.006175602	2	7	2	2.62372E-07
2	7	3	0.006175602	2	7	3	2.62372E-07
2	7	4	0.006175602	2	7	4	2.62372E-07
2	7	5	0.006175602	2	7	5	2.62372E-07
2	7	6	0.006175602	2	7	6	2.62372E-07
2	7	7	0.006175602	2	7	7	2.62372E-07
2	7	8	0.006175602	2	7	8	2.62372E-07
2	7	9	0.006175602	2	7	9	2.62372E-07
2	7	10	0.006175602	2	7	10	2.62372E-07
2	7	11	0.006175602	2	7	11	2.62372E-07
2	7	12	0.006175602	2	7	12	2.62372E-07
2	7	13	0.006175602	2	7	13	2.62372E-07
2	7	14	0.006175602	2	7	14	2.62372E-07
2	7	15	0.006175602	2	7	15	2.62372E-07
2	7	16	0.006175602	2	7	16	2.62372E-07
2	7	17	0.006175602	2	7	17	2.62372E-07
2	7	18	0.006175602	2	7	18	2.62372E-07
2	7	19	0.006175602	2	7	19	2.62372E-07
2	7	20	0.006175602	2	7	20	2.62372E-07
2	7	21	0.006175602	2	7	21	2.62372E-07
2	7	22	0.006175602	2	7	22	2.62372E-07
2	7	23	0.006175602	2	7	23	2.62372E-07
2	7	24	0.006175602	2	7	24	2.62372E-07
2	8	1	0.005364915	2	8	1	2.29342E-07
2	8	2	0.005364915	2	8	2	2.29342E-07
2	8	3	0.005364915	2	8	3	2.29342E-07
2	8	4	0.005364915	2	8	4	2.29342E-07
2	8	5	0.005364915	2	8	5	2.29342E-07
2	8	6	0.005364915	2	8	6	2.29342E-07
2	8	7	0.005364915	2	8	7	2.29342E-07
2	8	8	0.005364915	2	8	8	2.29342E-07
2	8	9	0.005364915	2	8	9	2.29342E-07
2	8	10	0.005364915	2	8	10	2.29342E-07
2	8	11	0.005364915	2	8	11	2.29342E-07
2	8	12	0.005364915	2	8	12	2.29342E-07
2	8	13	0.005364915	2	8	13	2.29342E-07
2	8	14	0.005364915	2	8	14	2.29342E-07
2	8	15	0.005364915	2	8	15	2.29342E-07
2	8	16	0.005364915	2	8	16	2.29342E-07
2	8	17	0.005364915	2	8	17	2.29342E-07
2	8	18	0.005364915	2	8	18	2.29342E-07
2	8	19	0.005364915	2	8	19	2.29342E-07
2	8	20	0.005364915	2	8	20	2.29342E-07
2	8	21	0.005364915	2	8	21	2.29342E-07
2	8	22	0.005364915	2	8	22	2.29342E-07
2	8	23	0.005364915	2	8	23	2.29342E-07
2	8	24	0.005364915	2	8	24	2.29342E-07
2	10	1	0.005161096	2	10	1	2.20582E-07
2	10	2	0.005161096	2	10	2	2.20582E-07

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	10	3	0.005161097	2	10	3	2.20582E-07
2	10	4	0.005161097	2	10	4	2.20582E-07
2	10	5	0.005161097	2	10	5	2.20582E-07
2	10	6	0.005161096	2	10	6	2.20582E-07
2	10	7	0.005161097	2	10	7	2.20582E-07
2	10	8	0.005161097	2	10	8	2.20582E-07
2	10	9	0.005161096	2	10	9	2.20582E-07
2	10	10	0.005161096	2	10	10	2.20582E-07
2	10	11	0.005161095	2	10	11	2.20582E-07
2	10	12	0.005161097	2	10	12	2.20582E-07
2	10	13	0.005161097	2	10	13	2.20582E-07
2	10	14	0.005161096	2	10	14	2.20582E-07
2	10	15	0.005161095	2	10	15	2.20582E-07
2	10	16	0.005161097	2	10	16	2.20582E-07
2	10	17	0.005161095	2	10	17	2.20582E-07
2	10	18	0.005161097	2	10	18	2.20582E-07
2	10	19	0.005161096	2	10	19	2.20582E-07
2	10	20	0.005161096	2	10	20	2.20582E-07
2	10	21	0.005161096	2	10	21	2.20582E-07
2	10	22	0.005161096	2	10	22	2.20582E-07
2	10	23	0.005161097	2	10	23	2.20582E-07
2	10	24	0.005161097	2	10	24	2.20582E-07
2	11	1	0.004973014	2	11	1	2.18388E-07
2	11	2	0.004973014	2	11	2	2.18388E-07
2	11	3	0.004973014	2	11	3	2.18388E-07
2	11	4	0.004973014	2	11	4	2.18388E-07
2	11	5	0.004973014	2	11	5	2.18388E-07
2	11	6	0.004973014	2	11	6	2.18388E-07
2	11	7	0.004973014	2	11	7	2.18388E-07
2	11	8	0.004973014	2	11	8	2.18388E-07
2	11	9	0.004973014	2	11	9	2.18388E-07
2	11	10	0.004973014	2	11	10	2.18388E-07
2	11	11	0.004973014	2	11	11	2.18388E-07
2	11	12	0.004973014	2	11	12	2.18388E-07
2	11	13	0.004973014	2	11	13	2.18388E-07
2	11	14	0.004973014	2	11	14	2.18388E-07
2	11	15	0.004973014	2	11	15	2.18388E-07
2	11	16	0.004973014	2	11	16	2.18388E-07
2	11	17	0.004973014	2	11	17	2.18388E-07
2	11	18	0.004973014	2	11	18	2.18388E-07
2	11	19	0.004973014	2	11	19	2.18388E-07
2	11	20	0.004973014	2	11	20	2.18388E-07
2	11	21	0.004973014	2	11	21	2.18388E-07
2	11	22	0.004973014	2	11	22	2.18388E-07
2	11	23	0.004973014	2	11	23	2.18388E-07
2	11	24	0.004973014	2	11	24	2.18388E-07
3	1	1	0.021896493	3	1	1	9.59211E-07
3	1	2	0.021896493	3	1	2	9.59211E-07
3	1	3	0.021896493	3	1	3	9.59211E-07

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	4	0.021896493	3	1	4	9.59211E-07
3	1	5	0.021896493	3	1	5	9.59211E-07
3	1	6	0.021896493	3	1	6	9.59211E-07
3	1	7	0.021896493	3	1	7	9.59211E-07
3	1	8	0.021896493	3	1	8	9.59211E-07
3	1	9	0.021896493	3	1	9	9.59211E-07
3	1	10	0.021896493	3	1	10	9.59211E-07
3	1	11	0.021896493	3	1	11	9.59211E-07
3	1	12	0.021896493	3	1	12	9.59211E-07
3	1	13	0.021896493	3	1	13	9.59211E-07
3	1	14	0.021896493	3	1	14	9.59211E-07
3	1	15	0.021896493	3	1	15	9.59211E-07
3	1	16	0.021896493	3	1	16	9.59211E-07
3	1	17	0.021896493	3	1	17	9.59211E-07
3	1	18	0.021896493	3	1	18	9.59211E-07
3	1	19	0.021896493	3	1	19	9.59211E-07
3	1	20	0.021896493	3	1	20	9.59211E-07
3	1	21	0.021896493	3	1	21	9.59211E-07
3	1	22	0.021896493	3	1	22	9.59211E-07
3	1	23	0.021896493	3	1	23	9.59211E-07
3	1	24	0.021896493	3	1	24	9.59211E-07
3	7	1	0.006197072	3	7	1	2.63958E-07
3	7	2	0.006197072	3	7	2	2.63958E-07
3	7	3	0.006197072	3	7	3	2.63958E-07
3	7	4	0.006197072	3	7	4	2.63958E-07
3	7	5	0.006197072	3	7	5	2.63958E-07
3	7	6	0.006197072	3	7	6	2.63958E-07
3	7	7	0.006197072	3	7	7	2.63958E-07
3	7	8	0.006197072	3	7	8	2.63958E-07
3	7	9	0.006197072	3	7	9	2.63958E-07
3	7	10	0.006197072	3	7	10	2.63958E-07
3	7	11	0.006197072	3	7	11	2.63958E-07
3	7	12	0.006197072	3	7	12	2.63958E-07
3	7	13	0.006197072	3	7	13	2.63958E-07
3	7	14	0.006197078	3	7	14	2.63958E-07
3	7	15	0.006197072	3	7	15	2.63958E-07
3	7	16	0.006197072	3	7	16	2.63958E-07
3	7	17	0.006197072	3	7	17	2.63958E-07
3	7	18	0.006197072	3	7	18	2.63958E-07
3	7	19	0.006197072	3	7	19	2.63958E-07
3	7	20	0.006197072	3	7	20	2.63958E-07
3	7	21	0.006197072	3	7	21	2.63958E-07
3	7	22	0.006197072	3	7	22	2.63958E-07
3	7	23	0.006197072	3	7	23	2.63958E-07
3	7	24	0.006197072	3	7	24	2.63958E-07
3	8	1	0.005433168	3	8	1	2.37556E-07
3	8	2	0.005433168	3	8	2	2.37556E-07
3	8	3	0.005433168	3	8	3	2.37556E-07
3	8	4	0.005433168	3	8	4	2.37556E-07

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	8	5	0.005433168	3	8	5	2.37556E-07
3	8	6	0.005433168	3	8	6	2.37556E-07
3	8	7	0.005433168	3	8	7	2.37556E-07
3	8	8	0.005433168	3	8	8	2.37556E-07
3	8	9	0.005433168	3	8	9	2.37556E-07
3	8	10	0.005433168	3	8	10	2.37556E-07
3	8	11	0.005433168	3	8	11	2.37556E-07
3	8	12	0.005433168	3	8	12	2.37556E-07
3	8	13	0.005433168	3	8	13	2.37556E-07
3	8	14	0.005433168	3	8	14	2.37556E-07
3	8	15	0.005433168	3	8	15	2.37556E-07
3	8	16	0.005433168	3	8	16	2.37556E-07
3	8	17	0.005433168	3	8	17	2.37556E-07
3	8	18	0.005433168	3	8	18	2.37556E-07
3	8	19	0.005433168	3	8	19	2.37556E-07
3	8	20	0.005433168	3	8	20	2.37556E-07
3	8	21	0.005433168	3	8	21	2.37556E-07
3	8	22	0.005433168	3	8	22	2.37556E-07
3	8	23	0.005433168	3	8	23	2.37556E-07
3	8	24	0.005433168	3	8	24	2.37556E-07
3	10	1	0.005203796	3	10	1	2.24138E-07
3	10	2	0.005203796	3	10	2	2.24138E-07
3	10	3	0.005203796	3	10	3	2.24138E-07
3	10	4	0.005203796	3	10	4	2.24138E-07
3	10	5	0.005203796	3	10	5	2.24138E-07
3	10	6	0.005203796	3	10	6	2.24138E-07
3	10	7	0.005203796	3	10	7	2.24138E-07
3	10	8	0.005203796	3	10	8	2.24138E-07
3	10	9	0.005203796	3	10	9	2.24138E-07
3	10	10	0.005203796	3	10	10	2.24138E-07
3	10	11	0.005203796	3	10	11	2.24138E-07
3	10	12	0.005203796	3	10	12	2.24138E-07
3	10	13	0.005203796	3	10	13	2.24138E-07
3	10	14	0.005203796	3	10	14	2.24138E-07
3	10	15	0.005203796	3	10	15	2.24138E-07
3	10	16	0.005203796	3	10	16	2.24138E-07
3	10	17	0.005203796	3	10	17	2.24138E-07
3	10	18	0.005203796	3	10	18	2.24138E-07
3	10	19	0.005203796	3	10	19	2.24138E-07
3	10	20	0.005203796	3	10	20	2.24138E-07
3	10	21	0.005203796	3	10	21	2.24138E-07
3	10	22	0.005203796	3	10	22	2.24138E-07
3	10	23	0.005203796	3	10	23	2.24138E-07
3	10	24	0.005203796	3	10	24	2.24138E-07
3	11	1	0.004992968	3	11	1	2.2005E-07
3	11	2	0.004992968	3	11	2	2.2005E-07
3	11	3	0.004992968	3	11	3	2.2005E-07
3	11	4	0.004992968	3	11	4	2.2005E-07
3	11	5	0.004992968	3	11	5	2.2005E-07

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	31	Sulfur Dioxide (SO2)		PollutantID	974	Benzo(a)pyrene	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	6	0.004992968	3	11	6	2.2005E-07
3	11	7	0.004992968	3	11	7	2.2005E-07
3	11	8	0.004992968	3	11	8	2.2005E-07
3	11	9	0.004992968	3	11	9	2.2005E-07
3	11	10	0.004992968	3	11	10	2.2005E-07
3	11	11	0.004992968	3	11	11	2.2005E-07
3	11	12	0.004992968	3	11	12	2.2005E-07
3	11	13	0.004992968	3	11	13	2.2005E-07
3	11	14	0.004992968	3	11	14	2.2005E-07
3	11	15	0.004992968	3	11	15	2.2005E-07
3	11	16	0.004992968	3	11	16	2.2005E-07
3	11	17	0.004992968	3	11	17	2.2005E-07
3	11	18	0.004992968	3	11	18	2.2005E-07
3	11	19	0.004992968	3	11	19	2.2005E-07
3	11	20	0.004992968	3	11	20	2.2005E-07
3	11	21	0.004992968	3	11	21	2.2005E-07
3	11	22	0.004992968	3	11	22	2.2005E-07
3	11	23	0.004992968	3	11	23	2.2005E-07
3	11	24	0.004992968	3	11	24	2.2005E-07

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
RoadTypeID	AverageSpeedID	HourID	G/VKT TRK	RoadTypeID	AverageSpeedID	HourID	G/VKT TRK
1	0	1	0.203882	1	0	1	0.18743
1	0	2	0.203882	1	0	2	0.18743
1	0	3	0.203882	1	0	3	0.18743
1	0	4	0.203882	1	0	4	0.18743
1	0	5	0.203882	1	0	5	0.18743
1	0	6	0.203882	1	0	6	0.18743
1	0	7	0.203882	1	0	7	0.18743
1	0	8	0.203882	1	0	8	0.18743
1	0	9	0.203882	1	0	9	0.18743
1	0	10	0.203882	1	0	10	0.18743
1	0	11	0.203882	1	0	11	0.18743
1	0	12	0.203882	1	0	12	0.18743
1	0	13	0.203882	1	0	13	0.18743
1	0	14	0.203882	1	0	14	0.18743
1	0	15	0.203882	1	0	15	0.18743
1	0	16	0.203882	1	0	16	0.18743
1	0	17	0.203882	1	0	17	0.18743
1	0	18	0.203882	1	0	18	0.18743
1	0	19	0.203882	1	0	19	0.18743
1	0	20	0.203882	1	0	20	0.18743
1	0	21	0.203882	1	0	21	0.18743
1	0	22	0.203882	1	0	22	0.18743
1	0	23	0.203882	1	0	23	0.18743
1	0	24	0.203882	1	0	24	0.18743
2	1	1	2.196539	2	1	1	0.395823
2	1	2	2.196539	2	1	2	0.395823
2	1	3	2.196539	2	1	3	0.395823
2	1	4	2.196539	2	1	4	0.395823
2	1	5	2.196539	2	1	5	0.395823
2	1	6	2.196539	2	1	6	0.395823
2	1	7	2.196539	2	1	7	0.395823
2	1	8	2.196539	2	1	8	0.395823
2	1	9	2.196539	2	1	9	0.395823
2	1	10	2.196539	2	1	10	0.395823
2	1	11	2.196539	2	1	11	0.395823
2	1	12	2.196539	2	1	12	0.395823
2	1	13	2.196539	2	1	13	0.395823
2	1	14	2.196539	2	1	14	0.395823
2	1	15	2.196539	2	1	15	0.395823
2	1	16	2.196539	2	1	16	0.395823
2	1	17	2.196539	2	1	17	0.395823
2	1	18	2.196539	2	1	18	0.395823
2	1	19	2.196539	2	1	19	0.395823
2	1	20	2.196539	2	1	20	0.395823
2	1	21	2.196539	2	1	21	0.395823
2	1	22	2.196539	2	1	22	0.395823
2	1	23	2.196539	2	1	23	0.395823
2	1	24	2.196539	2	1	24	0.395823
2	7	1	0.369573	2	7	1	0.079198

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	7	2	0.369573	2	7	2	0.079198
2	7	3	0.369573	2	7	3	0.079198
2	7	4	0.369573	2	7	4	0.079198
2	7	5	0.369573	2	7	5	0.079198
2	7	6	0.369573	2	7	6	0.079198
2	7	7	0.369573	2	7	7	0.079198
2	7	8	0.369573	2	7	8	0.079198
2	7	9	0.369573	2	7	9	0.079198
2	7	10	0.369573	2	7	10	0.079198
2	7	11	0.369573	2	7	11	0.079198
2	7	12	0.369573	2	7	12	0.079198
2	7	13	0.369573	2	7	13	0.079198
2	7	14	0.369573	2	7	14	0.079198
2	7	15	0.369573	2	7	15	0.079198
2	7	16	0.369573	2	7	16	0.079198
2	7	17	0.369573	2	7	17	0.079198
2	7	18	0.369573	2	7	18	0.079198
2	7	19	0.369573	2	7	19	0.079198
2	7	20	0.369573	2	7	20	0.079198
2	7	21	0.369573	2	7	21	0.079198
2	7	22	0.369573	2	7	22	0.079198
2	7	23	0.369573	2	7	23	0.079198
2	7	24	0.369573	2	7	24	0.079198
2	8	1	0.287791	2	8	1	0.060905
2	8	2	0.287791	2	8	2	0.060905
2	8	3	0.287791	2	8	3	0.060905
2	8	4	0.287791	2	8	4	0.060905
2	8	5	0.287791	2	8	5	0.060905
2	8	6	0.287791	2	8	6	0.060905
2	8	7	0.287791	2	8	7	0.060905
2	8	8	0.287791	2	8	8	0.060905
2	8	9	0.287791	2	8	9	0.060905
2	8	10	0.287791	2	8	10	0.060905
2	8	11	0.287791	2	8	11	0.060905
2	8	12	0.287791	2	8	12	0.060905
2	8	13	0.287791	2	8	13	0.060905
2	8	14	0.287791	2	8	14	0.060905
2	8	15	0.287791	2	8	15	0.060905
2	8	16	0.287791	2	8	16	0.060905
2	8	17	0.287791	2	8	17	0.060905
2	8	18	0.287791	2	8	18	0.060905
2	8	19	0.287791	2	8	19	0.060905
2	8	20	0.287791	2	8	20	0.060905
2	8	21	0.287791	2	8	21	0.060905
2	8	22	0.287791	2	8	22	0.060905
2	8	23	0.287791	2	8	23	0.060905
2	8	24	0.287791	2	8	24	0.060905
2	10	1	0.168526	2	10	1	0.04238
2	10	2	0.168526	2	10	2	0.04238

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
2	10	3	0.168526	2	10	3	0.04238
2	10	4	0.168526	2	10	4	0.04238
2	10	5	0.168526	2	10	5	0.04238
2	10	6	0.168526	2	10	6	0.04238
2	10	7	0.168526	2	10	7	0.04238
2	10	8	0.168526	2	10	8	0.04238
2	10	9	0.168526	2	10	9	0.04238
2	10	10	0.168526	2	10	10	0.04238
2	10	11	0.168526	2	10	11	0.04238
2	10	12	0.168526	2	10	12	0.04238
2	10	13	0.168526	2	10	13	0.04238
2	10	14	0.168526	2	10	14	0.04238
2	10	15	0.168526	2	10	15	0.04238
2	10	16	0.168526	2	10	16	0.04238
2	10	17	0.168526	2	10	17	0.04238
2	10	18	0.168526	2	10	18	0.04238
2	10	19	0.168526	2	10	19	0.04238
2	10	20	0.168526	2	10	20	0.04238
2	10	21	0.168526	2	10	21	0.04238
2	10	22	0.168526	2	10	22	0.04238
2	10	23	0.168526	2	10	23	0.04238
2	10	24	0.168526	2	10	24	0.04238
2	11	1	0.122189	2	11	1	0.033881
2	11	2	0.122189	2	11	2	0.033881
2	11	3	0.122189	2	11	3	0.033881
2	11	4	0.122189	2	11	4	0.033881
2	11	5	0.122189	2	11	5	0.033881
2	11	6	0.122189	2	11	6	0.033881
2	11	7	0.122189	2	11	7	0.033881
2	11	8	0.122189	2	11	8	0.033881
2	11	9	0.122189	2	11	9	0.033881
2	11	10	0.122189	2	11	10	0.033881
2	11	11	0.122189	2	11	11	0.033881
2	11	12	0.122189	2	11	12	0.033881
2	11	13	0.122189	2	11	13	0.033881
2	11	14	0.122189	2	11	14	0.033881
2	11	15	0.122189	2	11	15	0.033881
2	11	16	0.122189	2	11	16	0.033881
2	11	17	0.122189	2	11	17	0.033881
2	11	18	0.122189	2	11	18	0.033881
2	11	19	0.122189	2	11	19	0.033881
2	11	20	0.122189	2	11	20	0.033881
2	11	21	0.122189	2	11	21	0.033881
2	11	22	0.122189	2	11	22	0.033881
2	11	23	0.122189	2	11	23	0.033881
2	11	24	0.122189	2	11	24	0.033881
3	1	1	2.182402	3	1	1	0.394349
3	1	2	2.182402	3	1	2	0.394349
3	1	3	2.182402	3	1	3	0.394349

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	1	4	2.182402	3	1	4	0.394349
3	1	5	2.182402	3	1	5	0.394349
3	1	6	2.182402	3	1	6	0.394349
3	1	7	2.182402	3	1	7	0.394349
3	1	8	2.182402	3	1	8	0.394349
3	1	9	2.182402	3	1	9	0.394349
3	1	10	2.182402	3	1	10	0.394349
3	1	11	2.182402	3	1	11	0.394349
3	1	12	2.182402	3	1	12	0.394349
3	1	13	2.182402	3	1	13	0.394349
3	1	14	2.182402	3	1	14	0.394349
3	1	15	2.182402	3	1	15	0.394349
3	1	16	2.182402	3	1	16	0.394349
3	1	17	2.182402	3	1	17	0.394349
3	1	18	2.182402	3	1	18	0.394349
3	1	19	2.182402	3	1	19	0.394349
3	1	20	2.182402	3	1	20	0.394349
3	1	21	2.182402	3	1	21	0.394349
3	1	22	2.182402	3	1	22	0.394349
3	1	23	2.182402	3	1	23	0.394349
3	1	24	2.182402	3	1	24	0.394349
3	7	1	0.3561	3	7	1	0.077446
3	7	2	0.3561	3	7	2	0.077446
3	7	3	0.3561	3	7	3	0.077446
3	7	4	0.3561	3	7	4	0.077446
3	7	5	0.3561	3	7	5	0.077446
3	7	6	0.3561	3	7	6	0.077446
3	7	7	0.3561	3	7	7	0.077446
3	7	8	0.3561	3	7	8	0.077446
3	7	9	0.3561	3	7	9	0.077446
3	7	10	0.3561	3	7	10	0.077446
3	7	11	0.3561	3	7	11	0.077446
3	7	12	0.3561	3	7	12	0.077446
3	7	13	0.3561	3	7	13	0.077446
3	7	14	0.3561	3	7	14	0.077446
3	7	15	0.3561	3	7	15	0.077446
3	7	16	0.3561	3	7	16	0.077446
3	7	17	0.3561	3	7	17	0.077446
3	7	18	0.3561	3	7	18	0.077446
3	7	19	0.3561	3	7	19	0.077446
3	7	20	0.3561	3	7	20	0.077446
3	7	21	0.3561	3	7	21	0.077446
3	7	22	0.3561	3	7	22	0.077446
3	7	23	0.3561	3	7	23	0.077446
3	7	24	0.3561	3	7	24	0.077446
3	8	1	0.277485	3	8	1	0.059754
3	8	2	0.277485	3	8	2	0.059754
3	8	3	0.277485	3	8	3	0.059754
3	8	4	0.277485	3	8	4	0.059754

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	8	5	0.277485	3	8	5	0.059754
3	8	6	0.277485	3	8	6	0.059754
3	8	7	0.277485	3	8	7	0.059754
3	8	8	0.277485	3	8	8	0.059754
3	8	9	0.277485	3	8	9	0.059754
3	8	10	0.277485	3	8	10	0.059754
3	8	11	0.277485	3	8	11	0.059754
3	8	12	0.277485	3	8	12	0.059754
3	8	13	0.277485	3	8	13	0.059754
3	8	14	0.277485	3	8	14	0.059754
3	8	15	0.277485	3	8	15	0.059754
3	8	16	0.277485	3	8	16	0.059754
3	8	17	0.277485	3	8	17	0.059754
3	8	18	0.277485	3	8	18	0.059754
3	8	19	0.277485	3	8	19	0.059754
3	8	20	0.277485	3	8	20	0.059754
3	8	21	0.277485	3	8	21	0.059754
3	8	22	0.277485	3	8	22	0.059754
3	8	23	0.277485	3	8	23	0.059754
3	8	24	0.277485	3	8	24	0.059754
3	10	1	0.165298	3	10	1	0.042072
3	10	2	0.165298	3	10	2	0.042072
3	10	3	0.165298	3	10	3	0.042072
3	10	4	0.165298	3	10	4	0.042072
3	10	5	0.165298	3	10	5	0.042072
3	10	6	0.165298	3	10	6	0.042072
3	10	7	0.165298	3	10	7	0.042072
3	10	8	0.165298	3	10	8	0.042072
3	10	9	0.165298	3	10	9	0.042072
3	10	10	0.165298	3	10	10	0.042072
3	10	11	0.165298	3	10	11	0.042072
3	10	12	0.165298	3	10	12	0.042072
3	10	13	0.165298	3	10	13	0.042072
3	10	14	0.165298	3	10	14	0.042072
3	10	15	0.165298	3	10	15	0.042072
3	10	16	0.165298	3	10	16	0.042072
3	10	17	0.165298	3	10	17	0.042072
3	10	18	0.165298	3	10	18	0.042072
3	10	19	0.165298	3	10	19	0.042072
3	10	20	0.165298	3	10	20	0.042072
3	10	21	0.165298	3	10	21	0.042072
3	10	22	0.165298	3	10	22	0.042072
3	10	23	0.165298	3	10	23	0.042072
3	10	24	0.165298	3	10	24	0.042072
3	11	1	0.120681	3	11	1	0.033737
3	11	2	0.120681	3	11	2	0.033737
3	11	3	0.120681	3	11	3	0.033737
3	11	4	0.120681	3	11	4	0.033737
3	11	5	0.120681	3	11	5	0.033737

TRK Travel Emission Rate Calculation: CAC (2041)

PollutantID	9100	PM10		PollutantID	9110	PM2.5	
			G/VKT				G/VKT
RoadTypeID	AverageSpeedID	HourID	TRK	RoadTypeID	AverageSpeedID	HourID	TRK
3	11	6	0.120681	3	11	6	0.033737
3	11	7	0.120681	3	11	7	0.033737
3	11	8	0.120681	3	11	8	0.033737
3	11	9	0.120681	3	11	9	0.033737
3	11	10	0.120681	3	11	10	0.033737
3	11	11	0.120681	3	11	11	0.033737
3	11	12	0.120681	3	11	12	0.033737
3	11	13	0.120681	3	11	13	0.033737
3	11	14	0.120681	3	11	14	0.033737
3	11	15	0.120681	3	11	15	0.033737
3	11	16	0.120681	3	11	16	0.033737
3	11	17	0.120681	3	11	17	0.033737
3	11	18	0.120681	3	11	18	0.033737
3	11	19	0.120681	3	11	19	0.033737
3	11	20	0.120681	3	11	20	0.033737
3	11	21	0.120681	3	11	21	0.033737
3	11	22	0.120681	3	11	22	0.033737
3	11	23	0.120681	3	11	23	0.033737
3	11	24	0.120681	3	11	24	0.033737

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Appendix F

OLM Calculations at Sensitive Receptors

Highway 401 and Highway 6 Improvements: Highway 6 North Mid-Block Interchange

OLM Method for NOx conversion to NO2

Table F-1: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 1

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	35.81	89	35.81	67.33	SR1
	24	7.93	78	7.93	14.92	SR1
	Annual	1.72	57	1.72	3.24	SR1
Future No-Build	1	10.09	89	10.09	18.97	SR1
	24	2.01	78	2.01	3.78	SR1
	Annual	0.44	57	0.44	0.82	SR1
Future Build	1	24.73	89	24.73	46.50	SR1
	24	5.54	78	5.54	10.41	SR1
	Annual	1.18	57	1.18	2.22	SR1

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

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	81.3812	89	81.38	153.03	SR2
	24	16.981975	78	16.98	31.93	SR2
	Annual	4.483693105	57	4.48	8.43	SR2
Future No-Build	1	20.40125	89	20.40	38.36	SR2
	24	4.25907	78	4.26	8.01	SR2
	Annual	1.126121605	57	1.13	2.12	SR2
Future Build	1	52.74777	89	52.75	99.19	SR2
	24	11.36614042	78	11.37	21.37	SR2
	Annual	2.967607207	57	2.97	5.58	SR2

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

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	161.9258	89	105.19	197.80	SR3
	24	20.34522917	78	20.35	38.26	SR3
	Annual	4.089507534	57	4.09	7.69	SR3
Future No-Build	1	41.57685	89	41.58	78.18	SR3
	24	5.18536	78	5.19	9.75	SR3
	Annual	1.029139922	57	1.03	1.94	SR3
Future Build	1	111.73158	89	100.17	188.37	SR3
	24	14.6143325	78	14.61	27.48	SR3
	Annual	3.040566426	57	3.04	5.72	SR3

* Maximum receptor for Future Build Conditions (all averaging periods) & Existing Conditions (1-hour averaging period)

Table F-4: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 4

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	64.5718	89	64.57	121.42	SR4
	24	10.49424583	78	10.49	19.73	SR4
	Annual	2.671878151	57	2.67	5.02	SR4
Future No-Build	1	16.97578	89	16.98	31.92	SR4
	24	2.751111667	78	2.75	5.17	SR4
	Annual	0.680014863	57	0.68	1.28	SR4
Future Build	1	43.01909	89	43.02	80.89	SR4
	24	7.57166625	78	7.57	14.24	SR4
	Annual	1.873548231	57	1.87	3.52	SR4

Table F-5: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 5

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	34.8562	89	34.86	65.54	SR5
	24	6.643483333	78	6.64	12.49	SR5
	Annual	1.246713642	57	1.25	2.34	SR5
Future No-Build	1	11.49161	89	11.49	21.61	SR5
	24	2.098787083	78	2.10	3.95	SR5
	Annual	0.353546723	57	0.35	0.66	SR5
Future Build	1	21.48419	89	21.48	40.40	SR5
	24	4.130134583	78	4.13	7.77	SR5
	Annual	0.753627524	57	0.75	1.42	SR5

Table F-6: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 6

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	95.4658	89	95.47	179.51	SR6
	24	14.73237917	78	14.73	27.70	SR6
	Annual	3.491271233	57	3.49	6.56	SR6
Future No-Build	1	27.66115	89	27.66	52.01	SR6
	24	4.283493333	78	4.28	8.05	SR6
	Annual	1.001632212	57	1.00	1.88	SR6
Future Build	1	34.79943	89	34.80	65.44	SR6
	24	5.9663	78	5.97	11.22	SR6
	Annual	1.244221135	57	1.24	2.34	SR6

Table F-7: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 7

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	139.6225	89	102.96	193.61	SR7
	24	21.76446667	78	21.76	40.93	SR7
	Annual	6.526142032	57	6.53	12.27	SR7
Future No-Build	1	45.45283	89	45.45	85.47	SR7
	24	6.425545417	78	6.43	12.08	SR7
	Annual	1.894975195	57	1.89	3.56	SR7
Future Build	1	52.57897	89	52.58	98.87	SR7
	24	10.20849417	78	10.21	19.20	SR7
	Annual	2.687079324	57	2.69	5.05	SR7

* Maximum receptor for Future No-Build Conditions (all averaging periods) & Existing Conditions (24-hour & Annual averaging period)

Table F-8: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 8

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	59.466	89	59.47	111.82	SR8
	24	11.94457083	78	11.94	22.46	SR8
	Annual	2.654476701	57	2.65	4.99	SR8
Future No-Build	1	22.34363	89	22.34	42.01	SR8
	24	4.348852083	78	4.35	8.18	SR8
	Annual	0.77494364	57	0.77	1.46	SR8
Future Build	1	32.22657	89	32.23	60.60	SR8
	24	5.486045	78	5.49	10.32	SR8
	Annual	1.912184403	57	1.91	3.60	SR8

Table F-9: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 9

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	121.9122	89	101.19	190.28	SR9
	24	15.25780417	78	15.26	28.69	SR9
	Annual	3.853315023	57	3.85	7.25	SR9
Future No-Build	1	43.92934	89	43.93	82.60	SR9
	24	4.98092875	78	4.98	9.37	SR9
	Annual	1.1555621	57	1.16	2.17	SR9
Future Build	1	37.73821	89	37.74	70.96	SR9
	24	5.827622917	78	5.83	10.96	SR9
	Annual	1.685779224	57	1.69	3.17	SR9

Table F-10: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 10

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	69.5009	89	69.50	130.69	SR10
	24	15.2489375	78	15.25	28.67	SR10
	Annual	4.422751861	57	4.42	8.32	SR10
Future No-Build	1	26.20816	89	26.21	49.28	SR10
	24	5.2907175	78	5.29	9.95	SR10
	Annual	1.292356545	57	1.29	2.43	SR10
Future Build	1	44.80717	89	44.81	84.26	SR10
	24	6.771851667	78	6.77	12.73	SR10
	Annual	2.13803318	57	2.14	4.02	SR10

Table F-11: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 11

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	111.4739	89	100.15	188.32	SR11
	24	15.06029167	78	15.06	28.32	SR11
	Annual	3.787909589	57	3.79	7.12	SR11
Future No-Build	1	31.25967	89	31.26	58.78	SR11
	24	4.98340625	78	4.98	9.37	SR11
	Annual	1.119424965	57	1.12	2.10	SR11
Future Build	1	39.60489	89	39.60	74.47	SR11
	24	5.147164167	78	5.15	9.68	SR11
	Annual	1.455625666	57	1.46	2.74	SR11

Table F-12: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 12

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	143.8365	89	103.38	194.40	SR12
	24	14.96207083	78	14.96	28.13	SR12
	Annual	3.264078447	57	3.26	6.14	SR12
Future No-Build	1	43.69396	89	43.69	82.16	SR12
	24	4.486601667	78	4.49	8.44	SR12
	Annual	0.925584232	57	0.93	1.74	SR12
Future Build	1	27.53869	89	27.54	51.78	SR12
	24	4.13877875	78	4.14	7.78	SR12
	Annual	1.170529368	57	1.17	2.20	SR12

Table F-13: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 13

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	37.0429	89	37.04	69.66	SR13
	24	8.101066667	78	8.10	15.23	SR13
	Annual	2.53441266	57	2.53	4.77	SR13
Future No-Build	1	12.81135	89	12.81	24.09	SR13
	24	2.359626667	78	2.36	4.44	SR13
	Annual	0.719142078	57	0.72	1.35	SR13
Future Build	1	19.03692	89	19.04	35.80	SR13
	24	3.770233333	78	3.77	7.09	SR13
	Annual	1.077549612	57	1.08	2.03	SR13

Table F-14: Conversion of atmospheric NOx to NO_2 using the OLM Method: Sensitive Receptor No. 14

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	31.0916	89	31.09	58.46	SR14
	24	5.5736125	78	5.57	10.48	SR14
	Annual	1.408099555	57	1.41	2.65	SR14
Future No-Build	1	10.43579	89	10.44	19.62	SR14
	24	1.58926125	78	1.59	2.99	SR14
	Annual	0.38020609	57	0.38	0.71	SR14
Future Build	1	19.97022	89	19.97	37.55	SR14
	24	4.394949167	78	4.39	8.26	SR14
	Annual	1.072636259	57	1.07	2.02	SR14

Notes:

$NO + O_3 \rightarrow NO_2 + O2$

Assuming NO is represented by NOx, and

Assuming the rate of conversion is controlled by the availability of ozone:

a) if the concentration (ppm/ppb) of NO is less than that of ozone (i.e. IF [NOx] < $[O_3]$, or more precisely $[O_3] > 0.9$ [NOx]) then we can assume that all NOx has been converted to NO_2.

b) if the concentration (ppm/ppb) of NO is greater than that of ozone ([NOx] > $[O_3]$), then the concentration of NO equal to the concentration (ppm/ppb) of Ozone is converted to NO_2: $[NO_2] = [O_3] + 0.1$ [NOx].

Source: MDDELCC *Guide d'estimation de la concentration de dioxyde d'azote (NO2) dans l'air ambiant lors de l'aplicaiton des modeles de dispersion atmosphérique* , August 2008

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Appendix G

Maximum Concentrations at Sensitive Receptors

2019 - Existing Conditions

Carbon Monoxide (CO)

First Highest 1-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	207.5994286	233.4722286	210.5980571	207.9246857	207.5994286	233.4722286	SR1
SR2	530.7126857	480.4508571	396.0344	385.8150857	530.7126857	530.7126857	SR2
SR3	692.2285714	839.7578286	757.8437714	1048.381029	1020.406629	1048.381029	SR3
SR4	321.0438857	416.5305143	302.4041143	416.5305143	321.0438857	416.5305143	SR4
SR5	201.0285714	211.056	190.5297143	180.8114286	184.4984	211.056	SR5
SR6	523.4285714	555.0966857	438.7370286	621.0445714	510.0324571	621.0445714	SR6
SR7	647.2156571	625.0616	623.5488	559.0422857	647.2156571	647.2156571	SR7
SR8	284.7752	339.4125714	293.3770286	281.6947429	284.7752	339.4125714	SR8
SR9	528.4571429	524.1307429	511.6402286	718.0485714	393.1032	718.0485714	SR9
SR10	370.5142857	399.0741714	379.2401143	324.3930286	339.8250286	399.0741714	SR10
SR11	626.7428571	728.9598857	466.5816	415.2154286	462.1741714	728.9598857	SR11
SR12	474.5142857	693.9867429	746.3851429	576.2037714	911.6029714	911.6029714	SR12
SR13	200.9884571	220.6272	239.6313143	220.4251429	200.9884571	239.6313143	SR13
SR14	160.8597714	186.0026286	156.4651429	166.4236571	160.8597714	186.0026286	SR14

Maximum : 1048.381029 SR3

First Highest 8-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	80	80	80	91.42857143	91.42857143	91.42857143	SR1
SR2	160	171.4285714	171.4285714	182.8571429	171.4285714	182.8571429	SR2
SR3	217.1428571	217.1428571	240	171.4285714	262.8571429	262.8571429	SR3
SR4	125.7142857	114.2857143	114.2857143	125.7142857	114.2857143	125.7142857	SR4
SR5	68.57142857	91.42857143	80	80	68.57142857	91.42857143	SR5
SR6	160	182.8571429	182.8571429	148.5714286	171.4285714	182.8571429	SR6
SR7	205.7142857	217.1428571	217.1428571	251.4285714	251.4285714	251.4285714	SR7
SR8	102.8571429	114.2857143	137.1428571	148.5714286	114.2857143	148.5714286	SR8
SR9	148.5714286	194.2857143	171.4285714	160	160	194.2857143	SR9
SR10	160	194.2857143	160	125.7142857	148.5714286	194.2857143	SR10
SR11	137.1428571	171.4285714	148.5714286	160	160	171.4285714	SR11
SR12	160	194.2857143	205.7142857	171.4285714	217.1428571	217.1428571	SR12
SR13	91.42857143	91.42857143	91.42857143	80	91.42857143	91.42857143	SR13
SR14	57.14285714	68.57142857	68.57142857	57.14285714	57.14285714	68.57142857	SR14

Maximum : 262.8571429 SR3

2019 - Existing Conditions

Nitrogen Oxides (NOx)

First Highest 1-Hour Average (ppm)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum ppm	5-year Maximum ppb	
SR1	0.0351773	0.0358066	0.0322988	0.0330834	0.0318231	0.0358066	35.8066	SR1
SR2	0.0661469	0.0736802	0.0613558	0.0591653	0.0813812	0.0813812	81.3812	SR2
SR3	0.1080718	0.1299308	0.1170026	0.1619258	0.1574773	0.1619258	161.9258	SR3
SR4	0.0629612	0.0645718	0.0463576	0.0645718	0.0511549	0.0645718	64.5718	SR4
SR5	0.031082	0.0348562	0.0322439	0.0310494	0.0282659	0.0348562	34.8562	SR5
SR6	0.0821351	0.0879956	0.0712734	0.0954658	0.0828131	0.0954658	95.4658	SR6
SR7	0.1396225	0.1022502	0.0975918	0.0894931	0.1070206	0.1396225	139.6225	SR7
SR8	0.0465687	0.059466	0.0451741	0.046326	0.0464186	0.059466	59.466	SR8
SR9	0.0895292	0.092001	0.0868815	0.1219122	0.0677177	0.1219122	121.9122	SR9
SR10	0.0665271	0.0695009	0.0586593	0.0554164	0.0605449	0.0695009	69.5009	SR10
SR11	0.0958425	0.1114739	0.0801347	0.0656189	0.0784568	0.1114739	111.4739	SR11
SR12	0.0835449	0.1092098	0.1192355	0.0945103	0.1438365	0.1438365	143.8365	SR12
SR13	0.0365792	0.0370429	0.0366449	0.0370429	0.0308212	0.0370429	37.0429	SR13
SR14	0.0288983	0.0310916	0.0239982	0.025501	0.0246906	0.0310916	31.0916	SR14

Maximum : 161.9258 SR3

First Highest 24-Hour Average (ppm)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum ppm	5-year Maximum ppb	
SR1	0.007476179	0.007177563	0.007415313	0.006751725	0.007931854	0.007931854	7.931854	SR1
SR2	0.016243142	0.015342183	0.015915396	0.014503025	0.016981975	0.016981975	16.98198	SR2
SR3	0.015222529	0.016741496	0.016683204	0.013378854	0.020345229	0.020345229	20.34523	SR3
SR4	0.010494246	0.009148779	0.009195396	0.00955725	0.00996425	0.010494246	10.49425	SR4
SR5	0.005717275	0.005485733	0.006545046	0.005611429	0.006643483	0.006643483	6.643483	SR5
SR6	0.014732379	0.011593925	0.013989721	0.012401646	0.013149229	0.014732379	14.73238	SR6
SR7	0.021203092	0.018815238	0.021764467	0.018419558	0.019835258	0.021764467	21.76447	SR7
SR8	0.009565221	0.009549363	0.010466479	0.009909658	0.011944571	0.011944571	11.94457	SR8
SR9	0.015257804	0.012972504	0.014346742	0.013723163	0.013807458	0.015257804	15.2578	SR9
SR10	0.011969117	0.014646763	0.015248938	0.012157921	0.014314425	0.015248938	15.24894	SR10
SR11	0.01311535	0.015060292	0.012748513	0.012117408	0.012728433	0.015060292	15.06029	SR11
SR12	0.013829583	0.013238104	0.013442525	0.014962071	0.013159754	0.014962071	14.96207	SR12
SR13	0.00742715	0.008101067	0.007896658	0.007687525	0.007535433	0.008101067	8.101067	SR13
SR14	0.004225754	0.005504654	0.005573613	0.004463813	0.005201221	0.005573613	5.573613	SR14

Maximum : 21.76447 SR7

First Highest Annual Average (ppm)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum ppm	5-year Maximum ppb	
SR1	0.001693143	0.001611868	0.001724932	0.001716549	0.001542719	0.001724932	1.724932	SR1
SR2	0.004280907	0.003985741	0.004483693	0.004385433	0.004069828	0.004483693	4.483693	SR2
SR3	0.003911512	0.004089508	0.003737377	0.003673235	0.003994063	0.004089508	4.089508	SR3
SR4	0.002610641	0.00245518	0.002671878	0.002630345	0.002457689	0.002671878	2.671878	SR4
SR5	0.001236138	0.001144101	0.001246714	0.001199872	0.001106884	0.001246714	1.246714	SR5
SR6	0.003162681	0.003147506	0.003153851	0.003491271	0.003101928	0.003491271	3.491271	SR6
SR7	0.006387251	0.006320614	0.006526142	0.006222557	0.006107916	0.006526142	6.526142	SR7
SR8	0.002640343	0.002508789	0.002654477	0.002572266	0.00246997	0.002654477	2.654477	SR8
SR9	0.003552969	0.00353169	0.003586988	0.003853315	0.003509935	0.003853315	3.853315	SR9
SR10	0.004240072	0.004422752	0.004184983	0.004118111	0.004402126	0.004422752	4.422752	SR10
SR11	0.003563181	0.003777585	0.00346236	0.00378791	0.003778103	0.00378791	3.78791	SR11
SR12	0.002981943	0.003264078	0.002969163	0.003092359	0.003198576	0.003264078	3.264078	SR12
SR13	0.002510692	0.002534413	0.002485037	0.00238543	0.002475763	0.002534413	2.534413	SR13
SR14	0.001323562	0.0014081	0.001267115	0.001279658	0.001368743	0.0014081	1.4081	SR14

Maximum : 6.526142 SR7

2019 - Existing Conditions

Particulate Matter (PM_{10})

First Highest 24-Hour Average (µg/m³)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m³)	
SR1	2.201403999	2.157526596	2.246567099	2.016594337	2.389928045	2.202404015	SR1
SR2	4.754351012	4.5210665	4.662913024	4.319524632	5.00837347	4.653245728	SR2
SR3	4.527944276	5.072012707	5.043784884	3.961549536	6.1095471	4.942967701	SR3
SR4	3.310754706	2.74622853	2.77369995	3.021574352	3.004603717	2.971372251	SR4
SR5	2.492957902	2.310719725	2.594281445	2.602339987	3.050962647	2.610252341	SR5
SR6	8.902138349	7.207067058	8.399051806	7.896636772	7.844276683	8.049834134	SR6
SR7	12.63509481	11.60219302	13.49607056	12.41969425	12.61102322	12.55281517	SR7
SR8	4.023277939	3.544294379	3.950587516	4.120621545	4.552404807	4.038237237	SR8
SR9	6.748215288	6.779222914	7.007806905	6.478441196	5.36076018	6.474889297	SR9
SR10	5.125600249	5.606778603	5.410365321	3.936928555	5.514062869	5.118747119	SR10
SR11	5.118672042	5.690631774	4.78026154	4.831550715	4.827602538	5.049743722	SR11
SR12	5.815320555	5.25742829	5.505049489	6.144330514	5.347922046	5.614010179	SR12
SR13	3.102122905	3.218251669	3.059412758	3.073706566	3.106611102	3.112021	SR13
SR14	1.626101434	1.98950169	2.098353764	1.574289417	1.781820067	1.814013274	SR14

Maximum : 12.55281517 SR7

Fine Particulate Matter ($PM_{2.5}$)

First Highest 24-Hour Average (µg/m³)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m³)	
SR1	0.738742789	0.720414976	0.748196779	0.670483511	0.797917387	0.735151088	SR1
SR2	1.597965107	1.517355472	1.566859636	1.445325968	1.680587873	1.561618811	SR2
SR3	1.518066472	1.692748274	1.684421781	1.330304774	2.043408518	1.653789964	SR3
SR4	1.095233664	0.917598895	0.926451635	1.000035575	1.002784146	0.988420783	SR4
SR5	0.745094629	0.718245339	0.816840094	0.776851959	0.938709008	0.799148206	SR5
SR6	2.578081104	2.071142239	2.395707353	2.261758591	2.276609076	2.316659673	SR6
SR7	3.679317182	3.314844589	3.893302978	3.506636575	3.618088716	3.602438008	SR7
SR8	1.243935818	1.143479687	1.257781787	1.277850684	1.462010335	1.277011662	SR8
SR9	2.098546315	2.023034035	2.12246117	1.90239773	1.701434112	1.969574672	SR9
SR10	1.586241945	1.806763616	1.791834156	1.336078931	1.767558876	1.657695505	SR10
SR11	1.609439738	1.839534783	1.54312567	1.525016992	1.572056644	1.617834765	SR11
SR12	1.811681685	1.649864183	1.721579712	1.92303512	1.674777522	1.756187645	SR12
SR13	0.964501534	1.012559709	0.970375141	0.962307827	0.960812358	0.974111314	SR13
SR14	0.514019542	0.639712684	0.668829595	0.51470265	0.57953998	0.58336089	SR14

Maximum : 3.602438008 SR7

First Highest Annual Average (µg/m³)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m³)	
SR1	0.172658792	0.16399916	0.175167794	0.173613969	0.157100135	0.16850797	SR1
SR2	0.427055927	0.39716675	0.44630619	0.43556626	0.405575796	0.422334185	SR2
SR3	0.39090624	0.40738544	0.37301702	0.365543038	0.398301848	0.387030717	SR3
SR4	0.266892343	0.25046484	0.272020592	0.266195827	0.251152801	0.261345281	SR4
SR5	0.16283703	0.14982219	0.16276879	0.153313823	0.146091675	0.154966702	SR5
SR6	0.58472132	0.58281224	0.58056289	0.646524968	0.579820471	0.594888378	SR6
SR7	1.207037373	1.195980489	1.226597248	1.158502244	1.159556097	1.18953469	SR7
SR8	0.3557565	0.340849453	0.353243678	0.338728868	0.336110324	0.344937765	SR8
SR9	0.53801013	0.54223475	0.53769662	0.585300258	0.542447373	0.549137826	SR9
SR10	0.49627838	0.51527783	0.49027568	0.480397344	0.512501497	0.498946146	SR10
SR11	0.42002936	0.44589236	0.40754766	0.447095107	0.445370696	0.433187037	SR11
SR12	0.36821476	0.40303732	0.36695492	0.381532183	0.394447258	0.382837288	SR12
SR13	0.310202697	0.311064417	0.307803508	0.293165195	0.304760368	0.305399237	SR13
SR14	0.149366905	0.15813669	0.142531692	0.14310204	0.153919706	0.149411406	SR14

Maximum : 1.18953469 SR7

2019 - Existing Conditions

Acetaldehyde

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.031025996	0.029848956	0.030798466	0.028057496	0.033060312	0.033060312	SR1
SR2	0.067404553	0.063758463	0.066052024	0.060229446	0.070583848	0.070583848	SR2
SR3	0.063686505	0.070172495	0.069941608	0.056029575	0.085184343	0.085184343	SR3
SR4	0.044332981	0.0380868	0.038473391	0.040552922	0.041490979	0.044332981	SR4
SR5	0.024338167	0.024165614	0.028415487	0.024633093	0.030373667	0.030373667	SR5
SR6	0.063283132	0.051020521	0.060878365	0.052151041	0.056489969	0.063283132	SR6
SR7	0.093194619	0.082933787	0.093654317	0.079133255	0.084370013	0.093654317	SR7
SR8	0.04527385	0.043639358	0.047724929	0.044997455	0.059483435	0.059483435	SR8
SR9	0.070700893	0.058746294	0.064437623	0.066579416	0.06694472	0.070700893	SR9
SR10	0.053589537	0.068840166	0.074088064	0.058789287	0.065964114	0.074088064	SR10
SR11	0.055108283	0.070262042	0.058563669	0.053340049	0.061850938	0.070262042	SR11
SR12	0.060459111	0.056204849	0.058176968	0.065186293	0.056829736	0.065186293	SR12
SR13	0.032048363	0.035040631	0.034488875	0.032435049	0.032999211	0.035040631	SR13
SR14	0.018146048	0.02388899	0.024317824	0.020298087	0.022397381	0.024317824	SR14

Maximum : 0.093654317 SR7

First Highest 0.5-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.09172195	0.088242276	0.091049304	0.082946194	0.097735986	0.097735986	SR1
SR2	0.199267642	0.18848873	0.195269168	0.17805592	0.208666571	0.208666571	SR2
SR3	0.188276001	0.207450491	0.206767921	0.165639866	0.25182992	0.25182992	SR3
SR4	0.131061304	0.112595758	0.113738636	0.119886338	0.122659512	0.131061304	SR4
SR5	0.071950764	0.071440648	0.084004518	0.072822653	0.089793474	0.089793474	SR5
SR6	0.187083512	0.150831634	0.179974313	0.154173783	0.167000929	0.187083512	SR6
SR7	0.275510645	0.245176614	0.276869646	0.233941125	0.249422521	0.276869646	SR7
SR8	0.133842788	0.129010749	0.141088897	0.133025684	0.17585049	0.17585049	SR8
SR9	0.209012588	0.173671286	0.190496525	0.196828295	0.197908239	0.209012588	SR9
SR10	0.1584264	0.203511733	0.21902606	0.173798388	0.19500928	0.21902606	SR10
SR11	0.162916257	0.207715217	0.173131392	0.15768884	0.182849524	0.207715217	SR11
SR12	0.178734877	0.166158028	0.17198819	0.192709814	0.168005379	0.192709814	SR12
SR13	0.094744367	0.103590389	0.101959238	0.095887524	0.097555353	0.103590389	SR13
SR14	0.053645044	0.070622867	0.071890625	0.060007104	0.066213233	0.071890625	SR14

Maximum : 0.276869646 SR7

2019 - Existing Conditions

Acrolein

First Highest 1-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.019774651	0.018885211	0.017035497	0.018636114	0.016763154	0.019774651	SR1
SR2	0.034888206	0.03885472	0.032323406	0.031197806	0.042906263	0.042906263	SR2
SR3	0.057778354	0.069662377	0.062480206	0.086536091	0.084031543	0.086536091	SR3
SR4	0.033679451	0.034738126	0.024421669	0.034738126	0.028401714	0.034738126	SR4
SR5	0.016628206	0.020851063	0.02010816	0.019463406	0.016010309	0.020851063	SR5
SR6	0.044287543	0.048343109	0.039873371	0.050483223	0.047467109	0.050483223	SR6
SR7	0.081114994	0.059354423	0.056636206	0.051059931	0.063239086	0.081114994	SR7
SR8	0.029603497	0.038739931	0.029646331	0.031838789	0.027204069	0.038739931	SR8
SR9	0.055975634	0.060314766	0.054171429	0.075985097	0.046391177	0.075985097	SR9
SR10	0.044753897	0.045510743	0.036111269	0.036507543	0.040328114	0.045510743	SR10
SR11	0.05016944	0.05835184	0.050782926	0.038207657	0.048897257	0.05835184	SR11
SR12	0.047385486	0.060271154	0.066422903	0.053129577	0.079753531	0.079753531	SR12
SR13	0.01914912	0.022750309	0.019872251	0.022750309	0.017073851	0.022750309	SR13
SR14	0.016484983	0.018948983	0.012648594	0.013602217	0.013451086	0.018948983	SR14

Maximum : 0.086536091 SR3

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.003918794	0.003770562	0.003894358	0.003543544	0.004182624	0.004182624	SR1
SR2	0.008519706	0.008057326	0.008354139	0.007618541	0.008931198	0.008931198	SR2
SR3	0.008067331	0.008884471	0.008867167	0.007089188	0.010782207	0.010782207	SR3
SR4	0.005625229	0.004812846	0.004868247	0.005135621	0.005249314	0.005625229	SR4
SR5	0.003075206	0.003070939	0.003600009	0.003127978	0.003860618	0.003860618	SR5
SR6	0.007992737	0.006463372	0.007709235	0.006587601	0.00714396	0.007992737	SR6
SR7	0.011794374	0.010523837	0.011844542	0.010015067	0.010648567	0.011844542	SR7
SR8	0.005790087	0.005552934	0.006085305	0.005731296	0.007617995	0.007617995	SR8
SR9	0.008997875	0.007472928	0.008177129	0.008520097	0.00853437	0.008997875	SR9
SR10	0.006847823	0.008795144	0.009476835	0.007510984	0.008405933	0.009476835	SR10
SR11	0.006950182	0.008953619	0.007457816	0.006765268	0.007913097	0.008953619	SR11
SR12	0.007650954	0.007089158	0.007354705	0.008231483	0.00719968	0.008231483	SR12
SR13	0.00406349	0.004444424	0.004366375	0.004092971	0.004185759	0.004444424	SR13
SR14	0.002299699	0.003034251	0.003084175	0.002579909	0.002838744	0.003084175	SR14

Maximum : 0.011844542 SR7

Formaldehyde

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.059771148	0.057496653	0.059399087	0.05403774	0.063767643	0.063767643	SR1
SR2	0.129953663	0.122876276	0.127434602	0.11620798	0.136216046	0.136216046	SR2
SR3	0.122930235	0.135344816	0.135093321	0.108006985	0.164280781	0.164280781	SR3
SR4	0.08562125	0.07338249	0.074181454	0.078108061	0.080044811	0.08562125	SR4
SR5	0.046757051	0.046323301	0.054603765	0.047375087	0.05818573	0.05818573	SR5
SR6	0.121421051	0.097872148	0.116913969	0.100371883	0.108510128	0.121421051	SR6
SR7	0.178632291	0.159311929	0.179882168	0.152146653	0.161979852	0.179882168	SR7
SR8	0.086490449	0.083425949	0.091308041	0.086408648	0.113624929	0.113624929	SR8
SR9	0.135373633	0.112563689	0.123491143	0.126846082	0.127732214	0.135373633	SR9
SR10	0.102640832	0.131823056	0.1417165	0.112409378	0.126544173	0.1417165	SR10
SR11	0.105889648	0.134557893	0.112305796	0.102459128	0.118367286	0.134557893	SR11
SR12	0.11595775	0.107859163	0.111612617	0.124807628	0.109309459	0.124807628	SR12
SR13	0.061677296	0.067439821	0.066191306	0.062331546	0.063406556	0.067439821	SR13
SR14	0.034920219	0.046015117	0.046741337	0.038895679	0.043099582	0.046741337	SR14

Maximum : 0.179882168 SR7

2019 - Existing Conditions

Benzene

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.048663034	0.046764899	0.048440179	0.043943702	0.051892218	0.051892218	SR1
SR2	0.105915933	0.100009383	0.103981482	0.094840762	0.111107032	0.111107032	SR2
SR3	0.099780062	0.109617059	0.109658476	0.087461109	0.133148214	0.133148214	SR3
SR4	0.069173279	0.059671033	0.060143232	0.062618706	0.065232096	0.069173279	SR4
SR5	0.037415414	0.03608761	0.043138546	0.037117896	0.044056741	0.044056741	SR5
SR6	0.096909968	0.076978107	0.092494172	0.081844249	0.086657148	0.096909968	SR6
SR7	0.139855935	0.124730816	0.143557937	0.121775721	0.130414021	0.143557937	SR7
SR8	0.06291638	0.063140871	0.068905036	0.06571205	0.080031659	0.080031659	SR8
SR9	0.10132146	0.08577712	0.094762672	0.091194725	0.091944246	0.10132146	SR9
SR10	0.079267186	0.097393941	0.101650332	0.08102239	0.095110721	0.101650332	SR10
SR11	0.086115332	0.100071169	0.084731408	0.080394295	0.085243719	0.100071169	SR11
SR12	0.091303388	0.086909884	0.088963761	0.098284449	0.087240649	0.098284449	SR12
SR13	0.049075387	0.053582381	0.052134936	0.050627392	0.049728539	0.053582381	SR13
SR14	0.027768101	0.036341966	0.036679172	0.029480316	0.034193213	0.036679172	SR14

Maximum : 0.143557937 SR7

First Highest Annual Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.010990672	0.010476593	0.011215868	0.011160866	0.010027243	0.011215868	SR1
SR2	0.027831232	0.025931932	0.029180653	0.028539209	0.026481548	0.029180653	SR2
SR3	0.025493752	0.026647596	0.024356924	0.023930464	0.026030251	0.026647596	SR3
SR4	0.016975655	0.015976741	0.0173897	0.017116191	0.015994179	0.0173897	SR4
SR5	0.008085787	0.007487775	0.008163886	0.007851741	0.007248314	0.008163886	SR5
SR6	0.020725654	0.020648767	0.020686762	0.022893824	0.020337627	0.022893824	SR6
SR7	0.041930947	0.041515652	0.042886059	0.040889588	0.040111675	0.042886059	SR7
SR8	0.017318165	0.01645837	0.017430368	0.016866921	0.016220328	0.017430368	SR8
SR9	0.023363727	0.023243188	0.023605659	0.025367317	0.023092977	0.025367317	SR9
SR10	0.027861389	0.029088285	0.027510455	0.027073418	0.028934377	0.029088285	SR10
SR11	0.023440654	0.024880521	0.022774861	0.024920544	0.024864348	0.024920544	SR11
SR12	0.019573839	0.021429466	0.019492621	0.020288925	0.020991849	0.021429466	SR12
SR13	0.016456959	0.016613488	0.016296311	0.015643647	0.016234214	0.016613488	SR13
SR14	0.008652273	0.009203835	0.008284662	0.008361961	0.008946401	0.009203835	SR14

Maximum : 0.042886059 SR7

2019 - Existing Conditions

1,3-Butadiene

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.004499254	0.004330119	0.004481001	0.004066484	0.004811718	0.004811718	SR1
SR2	0.00979133	0.009254033	0.009613069	0.008772583	0.010281619	0.010281619	SR2
SR3	0.009272357	0.010198053	0.010203738	0.008131203	0.012376576	0.012376576	SR3
SR4	0.006468857	0.005528762	0.005588424	0.005872339	0.006044826	0.006468857	SR4
SR5	0.003520164	0.003450745	0.004109923	0.003560156	0.004325792	0.004325792	SR5
SR6	0.009182814	0.007376168	0.008840708	0.007661389	0.008221819	0.009182814	SR6
SR7	0.013440175	0.012027027	0.013632282	0.011548097	0.012288263	0.013632282	SR7
SR8	0.006321547	0.006174424	0.006725549	0.006443048	0.008292477	0.008292477	SR8
SR9	0.010038174	0.008377037	0.009216662	0.009221994	0.009346518	0.010038174	SR9
SR10	0.007569102	0.009706438	0.010380741	0.008237353	0.009383582	0.010380741	SR10
SR11	0.008056351	0.009976869	0.008362648	0.007732172	0.008700931	0.009976869	SR11
SR12	0.008753549	0.008179723	0.008438876	0.009396416	0.008298888	0.009396416	SR12
SR13	0.004667098	0.005103546	0.004985714	0.004750925	0.004769454	0.005103546	SR13
SR14	0.002628396	0.003460891	0.003502194	0.002887386	0.00323434	0.003502194	SR14

Maximum : 0.013632282 SR7

First Highest Annual Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.001020096	0.000972883	0.001040573	0.001035418	0.000930399	0.001040573	SR1
SR2	0.002577625	0.002401761	0.002702114	0.002642371	0.002452369	0.002702114	SR2
SR3	0.002362348	0.002468772	0.002257058	0.002216825	0.002411525	0.002468772	SR3
SR4	0.001576717	0.00148407	0.001614734	0.001588722	0.001485431	0.001614734	SR4
SR5	0.000769169	0.000710638	0.000775198	0.000744042	0.000689228	0.000775198	SR5
SR6	0.001951353	0.0019452	0.001947914	0.002155432	0.001912413	0.002155432	SR6
SR7	0.003956491	0.003919823	0.004051105	0.003865763	0.003780505	0.004051105	SR7
SR8	0.001657373	0.001572396	0.00167	0.001608597	0.001555438	0.00167	SR8
SR9	0.002245238	0.002232697	0.002268141	0.002441754	0.00221653	0.002441754	SR9
SR10	0.002664881	0.002793743	0.002635186	0.002594781	0.002772638	0.002793743	SR10
SR11	0.002242925	0.002391642	0.002180865	0.002389635	0.002386275	0.002391642	SR11
SR12	0.001838904	0.002014317	0.001831382	0.001904567	0.00197111	0.002014317	SR12
SR13	0.001548795	0.001564825	0.001533669	0.001473536	0.001529285	0.001564825	SR13
SR14	0.000810567	0.00086378	0.000777539	0.000784031	0.000839101	0.00086378	SR14

Maximum : 0.004051105 SR7

2019 - Existing Conditions

Sulphur Dioxide

First Highest 1-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.411061443	0.415160119	0.374492055	0.386696654	0.368695393	0.415160119	SR1
SR2	0.766951412	0.854206979	0.711207847	0.685894799	0.943361679	0.943361679	SR2
SR3	1.255292103	1.509464891	1.358600167	1.88040685	1.828375343	1.88040685	SR3
SR4	0.731022034	0.750290254	0.537119903	0.750290254	0.597142391	0.750290254	SR4
SR5	0.360351753	0.410444944	0.381874375	0.368546493	0.327089519	0.410444944	SR5
SR6	0.95242631	1.023049454	0.831579361	1.103931045	0.968755708	1.103931045	SR6
SR7	1.63544237	1.198414807	1.142974267	1.043247647	1.257650997	1.63544237	SR7
SR8	0.538833562	0.709303491	0.530607474	0.557085602	0.545173579	0.709303491	SR8
SR9	1.058594826	1.097306288	1.028819993	1.443152018	0.82232142	1.443152018	SR9
SR10	0.797737199	0.829857864	0.680657166	0.657614193	0.724875326	0.829857864	SR10
SR11	1.106237693	1.286657818	0.951326538	0.757387834	0.929041128	1.286657818	SR11
SR12	0.980372543	1.269884331	1.388863497	1.103426873	1.673623538	1.673623538	SR12
SR13	0.42222374	0.437795575	0.422965629	0.437795575	0.356571775	0.437795575	SR13
SR14	0.335414873	0.367258636	0.277819198	0.295190898	0.285938182	0.367258636	SR14

Maximum : 1.88040685 SR3

First Highest Annual Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.019644389	0.018703966	0.020010109	0.01993174	0.017894157	0.020010109	SR1
SR2	0.049659551	0.046237457	0.052010609	0.050861203	0.047204003	0.052010609	SR2
SR3	0.045379273	0.04744249	0.043359942	0.042612545	0.046334386	0.04744249	SR3
SR4	0.030302514	0.028500037	0.031007831	0.03053762	0.02852616	0.031007831	SR4
SR5	0.01443123	0.013346378	0.014542398	0.013988104	0.012920693	0.014542398	SR5
SR6	0.036727211	0.036553064	0.036621564	0.040535573	0.035999905	0.040535573	SR6
SR7	0.074215037	0.073431351	0.075834654	0.072334191	0.070923557	0.075834654	SR7
SR8	0.030877217	0.029309846	0.031060077	0.030041286	0.02889188	0.031060077	SR8
SR9	0.041611273	0.041342207	0.04199742	0.045139414	0.041078878	0.045139414	SR9
SR10	0.04957514	0.051799249	0.04896592	0.048198678	0.05151334	0.051799249	SR10
SR11	0.041645034	0.044216432	0.040469117	0.04429378	0.044200914	0.04429378	SR11
SR12	0.034603977	0.037886092	0.03445485	0.035876369	0.037110964	0.037886092	SR12
SR13	0.029153109	0.02944046	0.028865757	0.027716351	0.028761266	0.02944046	SR13
SR14	0.015386363	0.016379031	0.014733291	0.014890029	0.01590882	0.016379031	SR14

Maximum : 0.075834654 SR7

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.086676075	0.083235804	0.085976418	0.078292815	0.092009819	0.092009819	SR1
SR2	0.188325228	0.177921256	0.184526856	0.168150219	0.196940764	0.196940764	SR2
SR3	0.1766974	0.194393895	0.193704795	0.155373094	0.236239773	0.236239773	SR3
SR4	0.121981988	0.106116161	0.106766729	0.111190309	0.115574268	0.121981988	SR4
SR5	0.0665224	0.064179942	0.076384867	0.065606141	0.078464682	0.078464682	SR5
SR6	0.171536068	0.135449844	0.16311112	0.143696939	0.152859858	0.171536068	SR6
SR7	0.247923656	0.219599731	0.253143656	0.214244871	0.230458893	0.253143656	SR7
SR8	0.112053125	0.112534983	0.122099976	0.116408785	0.143311083	0.143311083	SR8
SR9	0.180526467	0.15142789	0.16860541	0.161370902	0.165394693	0.180526467	SR9
SR10	0.139581392	0.172736087	0.181819984	0.145123356	0.169220386	0.181819984	SR10
SR11	0.151976034	0.177958155	0.150267055	0.141697779	0.151863815	0.177958155	SR11
SR12	0.161382549	0.153762729	0.156650067	0.17467375	0.153201741	0.17467375	SR12
SR13	0.086383499	0.094255187	0.092304463	0.089111052	0.087943143	0.094255187	SR13
SR14	0.049176387	0.06419801	0.065141263	0.052601312	0.060722581	0.065141263	SR14

Maximum : 0.253143656 SR7

2019 - Existing Conditions

Sulphur Dioxide

First Highest 10-minute Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.67887387	0.685642892	0.618479001	0.638635071	0.608905731	0.685642892	SR1
SR2	1.266631258	1.410735079	1.174569961	1.132765098	1.557975344	1.557975344	SR2
SR3	2.073132915	2.49290292	2.243747663	3.105518886	3.019588106	3.105518886	SR3
SR4	1.207293376	1.239115116	0.887061224	1.239115116	0.986189225	1.239115116	SR4
SR5	0.595126089	0.677855712	0.630671008	0.60865982	0.540193032	0.677855712	SR5
SR6	1.572945713	1.689580849	1.373365242	1.823157955	1.599913948	1.823157955	SR6
SR7	2.700956533	1.979199243	1.887638397	1.722938454	2.077028662	2.700956533	SR7
SR8	0.889891357	1.17142489	0.876305855	0.920034863	0.900361987	1.17142489	SR8
SR9	1.74828454	1.812217075	1.699110977	2.383386259	1.358075621	2.383386259	SR9
SR10	1.317474427	1.370522167	1.124115073	1.086059273	1.197141999	1.370522167	SR10
SR11	1.826967418	2.124933843	1.571129423	1.250836872	1.53432475	2.124933843	SR11
SR12	1.619099317	2.097232189	2.293727987	1.822325309	2.764013279	2.764013279	SR12
SR13	0.697308563	0.723025672	0.698533804	0.723025672	0.588883402	0.723025672	SR13
SR14	0.553942475	0.606532906	0.458822391	0.487512002	0.472231009	0.606532906	SR14

Maximum : 3.105518886 SR3

Benzo(a)Pyrene

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	4.17006E-05	4.0226E-05	4.14402E-05	3.77471E-05	4.45799E-05	4.45799E-05	SR1
SR2	9.05214E-05	8.57225E-05	8.87159E-05	8.10472E-05	9.49107E-05	9.49107E-05	SR2
SR3	8.57274E-05	9.45669E-05	9.42953E-05	7.54842E-05	0.000114725	0.000114725	SR3
SR4	6.00596E-05	5.1355E-05	5.1834E-05	5.49883E-05	5.59813E-05	6.00596E-05	SR4
SR5	3.34963E-05	3.36576E-05	3.94052E-05	3.41072E-05	4.2329E-05	4.2329E-05	SR5
SR6	8.88302E-05	7.19214E-05	8.56925E-05	7.32509E-05	7.93921E-05	8.88302E-05	SR6
SR7	0.000131112	0.000116944	0.000131781	0.000111228	0.000118512	0.000131781	SR7
SR8	6.32736E-05	6.07235E-05	6.64391E-05	6.25363E-05	8.33232E-05	8.33232E-05	SR8
SR9	9.87421E-05	8.21962E-05	8.98627E-05	9.39741E-05	9.35217E-05	9.87421E-05	SR9
SR10	7.45476E-05	9.58428E-05	0.000103163	8.1798E-05	9.12491E-05	0.000103163	SR10
SR11	7.72743E-05	9.84844E-05	8.19003E-05	7.50285E-05	8.66044E-05	9.84844E-05	SR11
SR12	8.53644E-05	7.89505E-05	8.18106E-05	9.18644E-05	7.99878E-05	9.18644E-05	SR12
SR13	4.46826E-05	4.89103E-05	4.82549E-05	4.57411E-05	4.59411E-05	4.89103E-05	SR13
SR14	2.49218E-05	3.27872E-05	3.34112E-05	2.81212E-05	3.0539E-05	3.34112E-05	SR14

Maximum : 1.32E-04 SR7

First Highest Annual Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	9.52948E-06	9.08005E-06	9.69883E-06	9.64802E-06	8.67793E-06	9.69883E-06	SR1
SR2	2.39583E-05	2.23067E-05	2.50813E-05	2.45227E-05	2.27712E-05	2.50813E-05	SR2
SR3	2.19168E-05	2.2901E-05	2.09402E-05	2.05653E-05	2.2366E-05	2.2901E-05	SR3
SR4	1.47163E-05	1.38412E-05	1.50502E-05	1.48004E-05	1.38513E-05	1.50502E-05	SR4
SR5	7.40368E-06	6.82014E-06	7.43744E-06	7.122E-06	6.62042E-06	7.43744E-06	SR5
SR6	1.88932E-05	1.88259E-05	1.88386E-05	2.08573E-05	1.84976E-05	2.08573E-05	SR6
SR7	3.83605E-05	3.80093E-05	3.92605E-05	3.74732E-05	3.66108E-05	3.92605E-05	SR7
SR8	1.60021E-05	1.51603E-05	1.61103E-05	1.5465E-05	1.5022E-05	1.61103E-05	SR8
SR9	2.18149E-05	2.16846E-05	2.2002E-05	2.37363E-05	2.15199E-05	2.37363E-05	SR9
SR10	2.55987E-05	2.68874E-05	2.5343E-05	2.49465E-05	2.6639E-05	2.68874E-05	SR10
SR11	2.1644E-05	2.31166E-05	2.10463E-05	2.31088E-05	2.30572E-05	2.31166E-05	SR11
SR12	1.76931E-05	1.93819E-05	1.76183E-05	1.83226E-05	1.89588E-05	1.93819E-05	SR12
SR13	1.49225E-05	1.50676E-05	1.47725E-05	1.41869E-05	1.47264E-05	1.50676E-05	SR13
SR14	7.66967E-06	8.17645E-06	7.36501E-06	7.41453E-06	7.94169E-06	8.17645E-06	SR14

Maximum : 3.93E-05 SR7

2041 - Future No Build

Carbon Monoxide (CO)

First Highest 1-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	93.72925714	99.76537143	89.99028571	88.01485714	88.74765714	99.76537143	SR1
SR2	184.2974857	205.3130286	169.656	164.8764571	226.8085714	226.8085714	SR2
SR3	295.9552	358.0413714	323.2956571	447.1921143	435.3532571	447.1921143	SR3
SR4	173.7785143	177.5314286	129.2721143	177.5314286	136.4949714	177.5314286	SR4
SR5	85.79828571	88.47257143	79.04514286	75.2856	78.92365714	88.47257143	SR5
SR6	223.8086857	236.7216	187.8628571	265.6278857	216.0494857	265.6278857	SR6
SR7	362.9286857	264.2088	266.5331429	237.7353143	272.7322286	362.9286857	SR7
SR8	129.8716571	139.7780571	125.5104	120.4738286	119.8134857	139.7780571	SR8
SR9	221.0181714	215.2321143	212.7969143	298.7875429	168.1481143	298.7875429	SR9
SR10	155.8796571	164.9644571	161.8090286	136.832	141.6187429	164.9644571	SR10
SR11	268.5	312.2909714	193.4009143	175.5172571	192.2363429	312.2909714	SR11
SR12	202.6997714	295.0274286	317.6442286	240.9392	387.2605714	387.2605714	SR12
SR13	102.4697143	94.45737143	102.6594286	91.95074286	85.97634286	102.6594286	SR13
SR14	79.5824	77.68171429	66.90811429	71.17885714	68.768	79.5824	SR14

Maximum : 447.1921143 SR3

First Highest 8-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	34.28571429	34.28571429	34.28571429	45.71428571	34.28571429	45.71428571	SR1
SR2	68.57142857	68.57142857	68.57142857	80	68.57142857	80	SR2
SR3	91.42857143	91.42857143	102.8571429	80	114.2857143	114.2857143	SR3
SR4	57.14285714	45.71428571	45.71428571	57.14285714	45.71428571	57.14285714	SR4
SR5	22.85714286	34.28571429	34.28571429	34.28571429	34.28571429	34.28571429	SR5
SR6	68.57142857	80	80	68.57142857	68.57142857	80	SR6
SR7	80	91.42857143	91.42857143	102.8571429	102.8571429	102.8571429	SR7
SR8	45.71428571	45.71428571	57.14285714	57.14285714	45.71428571	57.14285714	SR8
SR9	57.14285714	80	68.57142857	68.57142857	68.57142857	80	SR9
SR10	68.57142857	80	68.57142857	57.14285714	57.14285714	80	SR10
SR11	57.14285714	68.57142857	68.57142857	68.57142857	68.57142857	68.57142857	SR11
SR12	68.57142857	80	91.42857143	68.57142857	91.42857143	91.42857143	SR12
SR13	34.28571429	45.71428571	34.28571429	34.28571429	34.28571429	45.71428571	SR13
SR14	22.85714286	22.85714286	22.85714286	22.85714286	22.85714286	22.85714286	SR14

Maximum : 114.2857143 SR3

2041 - Future No Build

Nitrogen Oxides (NOx)

First Highest 1-Hour Average (ppm)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum ppm	5-year Maximum ppb	
SR1	0.01008643	0.00952737	0.00804349	0.00952737	0.00809456	0.01008643	10.08643	SR1
SR2	0.01647283	0.01840281	0.01539414	0.01479778	0.02040125	0.02040125	20.40125	SR2
SR3	0.02782657	0.03358742	0.02998854	0.04157685	0.04032903	0.04157685	41.57685	SR3
SR4	0.01638625	0.01697578	0.01177311	0.01697578	0.01424668	0.01697578	16.97578	SR4
SR5	0.0092451	0.01149161	0.01140802	0.01107586	0.0092451	0.01149161	11.49161	SR5
SR6	0.02380784	0.02630661	0.02197058	0.02766115	0.02644153	0.02766115	27.66115	SR6
SR7	0.04545283	0.03326385	0.03169306	0.02937943	0.03581152	0.04545283	45.45283	SR7
SR8	0.01728463	0.02234363	0.01742882	0.01889987	0.01579605	0.02234363	22.34363	SR8
SR9	0.0332262	0.03574893	0.03100394	0.04392934	0.0280495	0.04392934	43.92934	SR9
SR10	0.02608285	0.02620816	0.02145395	0.02158996	0.02336084	0.02620816	26.20816	SR10
SR11	0.02687629	0.03125967	0.02927373	0.02242047	0.02794157	0.03125967	31.25967	SR11
SR12	0.02649053	0.03295009	0.03657137	0.02945061	0.04369396	0.04369396	43.69396	SR12
SR13	0.0102459	0.01281135	0.010982	0.01281135	0.00957854	0.01281135	12.81135	SR13
SR14	0.00878811	0.01043579	0.00631475	0.00746319	0.00711099	0.01043579	10.43579	SR14

Maximum : 45.45283 SR7

First Highest 24-Hour Average (ppm)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum ppm	5-year Maximum ppb	
SR1	0.001868248	0.001810986	0.001860177	0.001694725	0.002012057	0.002012057	2.012057	SR1
SR2	0.004051005	0.003845763	0.003971076	0.003638001	0.00425907	0.00425907	4.25907	SR2
SR3	0.00387167	0.004281494	0.00427182	0.00341309	0.00518536	0.00518536	5.18536	SR3
SR4	0.002751112	0.002315069	0.002342685	0.002529691	0.002526186	0.002751112	2.751112	SR4
SR5	0.00157107	0.001661835	0.001888123	0.001673859	0.002098787	0.002098787	2.098787	SR5
SR6	0.004283493	0.003538179	0.004181321	0.003489963	0.003839617	0.004283493	4.283493	SR6
SR7	0.006425545	0.005768018	0.0063852	0.005415828	0.005684798	0.006425545	6.425545	SR7
SR8	0.003273793	0.003046868	0.003357766	0.003090238	0.004348852	0.004348852	4.348852	SR8
SR9	0.004947534	0.004139825	0.004486868	0.004980929	0.004792237	0.004980929	4.980929	SR9
SR10	0.003781311	0.004864535	0.005290718	0.004181452	0.004514868	0.005290718	5.290718	SR10
SR11	0.003810792	0.004983406	0.004096668	0.003899811	0.004466696	0.004983406	4.983406	SR11
SR12	0.004190687	0.003783406	0.003972372	0.004486602	0.003884438	0.004486602	4.486602	SR12
SR13	0.002149469	0.002359627	0.002341214	0.002193951	0.002225587	0.002359627	2.359627	SR13
SR14	0.001174297	0.001554098	0.001589261	0.001383378	0.001426638	0.001589261	1.589261	SR14

Maximum : 6.425545 SR7

First Highest Annual Average (ppm)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum ppm	5-year Maximum ppb	
SR1	0.000430377	0.000410322	0.000437605	0.000435124	0.000391725	0.000437605	0.437605	SR1
SR2	0.001076207	0.001001989	0.001126122	0.001100663	0.001022634	0.001126122	1.126122	SR2
SR3	0.000985441	0.00102914	0.000941468	0.000923975	0.001005076	0.00102914	1.02914	SR3
SR4	0.000665401	0.000625841	0.000680015	0.000668054	0.000626189	0.000680015	0.680015	SR4
SR5	0.000352886	0.000323976	0.000353547	0.000337184	0.000315166	0.000353547	0.353547	SR5
SR6	0.000907069	0.00090476	0.00090439	0.001001632	0.000887437	0.001001632	1.001632	SR6
SR7	0.001849479	0.001834508	0.001894975	0.001809459	0.001763322	0.001894975	1.894975	SR7
SR8	0.000769075	0.000727353	0.000774944	0.000739141	0.000723686	0.000774944	0.774944	SR8
SR9	0.001059388	0.001053805	0.001067719	0.001155562	0.001044814	0.001155562	1.155562	SR9
SR10	0.001225683	0.001292357	0.001215704	0.00119643	0.001276573	0.001292357	1.292357	SR10
SR11	0.001043529	0.001119425	0.001015111	0.001117757	0.001114643	0.001119425	1.119425	SR11
SR12	0.000844619	0.000925584	0.000841119	0.000873862	0.00090442	0.000925584	0.925584	SR12
SR13	0.000712632	0.000719142	0.000705496	0.000677305	0.000703172	0.000719142	0.719142	SR13
SR14	0.000356393	0.000380206	0.000342861	0.000344148	0.000369189	0.000380206	0.380206	SR14

Maximum : 1.894975 SR7

2041 - Future No Build

Particulate Matter (PM_{10})

First Highest 24-Hour Average (µg/m³ x ER Factor)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m³)	
SR1	1.844947285	1.77411528	1.831395627	1.666059104	1.957060882	1.814715635	SR1
SR2	4.004247379	3.782619044	3.923996814	3.582645283	4.187119648	3.896125634	SR2
SR3	3.72942	4.10091694	4.087629701	3.280959039	4.987537205	4.037292577	SR3
SR4	2.56743895	2.260689173	2.25763398	2.330273781	2.464011169	2.376009411	SR4
SR5	1.42126	1.333270479	1.610223094	1.358763198	1.561435179	1.45699039	SR5
SR6	3.73767	2.937801658	3.507892384	3.211397411	3.328805967	3.344713484	SR6
SR7	5.268254622	4.650788503	5.51480953	4.676056343	5.085045635	5.038990926	SR7
SR8	2.343403219	2.224340685	2.569477377	2.31047428	2.592307172	2.408000547	SR8
SR9	3.53366	3.165818488	3.433787878	3.194811321	3.04478099	3.274571736	SR9
SR10	2.91041	3.31553228	3.279396915	2.64427092	3.279357233	3.08579347	SR10
SR11	3.39116	3.457124683	2.974611715	3.003181893	2.8214921	3.129514078	SR11
SR12	3.46851	3.400471823	3.400075744	3.764445178	3.325757203	3.471851989	SR12
SR13	1.845455643	2.01096596	1.961485451	1.995605789	1.988037334	1.960310035	SR13
SR14	1.033115309	1.32903682	1.343766947	1.040908669	1.261150387	1.201595626	SR14

Maximum : 5.038990926 SR7

Fine Particulate Matter ($PM_{2.5}$)

First Highest 24-Hour Average (µg/m³)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m³)	
SR1	0.443407389	0.42661279	0.440247728	0.400504852	0.470711357	0.436296823	SR1
SR2	0.962236678	0.909214354	0.942978072	0.861233446	1.006470424	0.936426595	SR2
SR3	0.896945149	0.986574979	0.98345648	0.789219549	1.199667017	0.971172635	SR3
SR4	0.618461765	0.54369292	0.543041652	0.561562018	0.592660523	0.571883776	SR4
SR5	0.343370833	0.322843217	0.390015189	0.329299377	0.379942774	0.353094278	SR5
SR6	0.906289848	0.713194091	0.85179801	0.777664103	0.80740543	0.811270296	SR6
SR7	1.280016338	1.130864789	1.337987529	1.132772205	1.232292496	1.222786671	SR7
SR8	0.565394306	0.540251319	0.622135564	0.561849057	0.632063439	0.584338737	SR8
SR9	0.861210814	0.768034286	0.834527803	0.778646686	0.745063764	0.79749667	SR9
SR10	0.704811275	0.807494898	0.802662858	0.646674343	0.797587579	0.751846191	SR10
SR11	0.820942595	0.843817072	0.724721704	0.729747926	0.689131894	0.761672238	SR11
SR12	0.842914778	0.823956054	0.824635257	0.914254912	0.807110313	0.842574263	SR12
SR13	0.447239866	0.487523204	0.475922522	0.483644255	0.48165412	0.475196794	SR13
SR14	0.249685609	0.321397057	0.325106314	0.252957448	0.304451323	0.29071955	SR14

Maximum : 1.222786671 SR7

First Highest Annual Average (µg/m³)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m³)	
SR1	0.100305138	0.095401976	0.102180638	0.101629837	0.091416687	0.098186855	SR1
SR2	0.253413979	0.235913828	0.265388173	0.259550407	0.240908579	0.251034993	SR2
SR3	0.231460226	0.241957833	0.221109722	0.217339561	0.236327414	0.229638951	SR3
SR4	0.154568495	0.145316274	0.158159772	0.155664276	0.145508602	0.151843484	SR4
SR5	0.073474656	0.068135139	0.074182039	0.071390355	0.065722827	0.070581003	SR5
SR6	0.197303718	0.196309209	0.196610675	0.217874185	0.194047432	0.200429044	SR6
SR7	0.398473868	0.394139709	0.406307371	0.386597221	0.381733057	0.393450245	SR7
SR8	0.155921876	0.148560612	0.156294326	0.152122737	0.145405226	0.151660955	SR8
SR9	0.211000836	0.210257305	0.212754278	0.228508529	0.209173446	0.214338879	SR9
SR10	0.248973588	0.257756934	0.245355311	0.240852356	0.257173696	0.250022377	SR10
SR11	0.211638178	0.222481905	0.205193886	0.224599862	0.223120189	0.217406804	SR11
SR12	0.185444112	0.202748594	0.184620496	0.192529883	0.199015447	0.192871706	SR12
SR13	0.155324835	0.156200016	0.153770956	0.147081251	0.152645772	0.153004566	SR13
SR14	0.079417548	0.084066319	0.075790584	0.076421222	0.081850093	0.079509153	SR14

Maximum : 0.393450245 SR7

2041 - Future No Build

Acetaldehyde

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.009397936	0.009100128	0.009357513	0.008521041	0.010110497	0.010110497	SR1
SR2	0.020388597	0.019343193	0.019990113	0.018303993	0.021433073	0.021433073	SR2
SR3	0.019454615	0.021497996	0.021456488	0.017140761	0.026048509	0.026048509	SR3
SR4	0.013784003	0.011631093	0.011767171	0.012652844	0.012695706	0.013784003	SR4
SR5	0.007819818	0.00818171	0.00935749	0.008231779	0.010332629	0.010332629	SR5
SR6	0.021193476	0.017429073	0.020632872	0.017316252	0.01897702	0.021193476	SR6
SR7	0.031676887	0.028388029	0.031548299	0.026581178	0.028154014	0.031676887	SR7
SR8	0.015951175	0.01495872	0.01645181	0.01520441	0.021169253	0.021169253	SR8
SR9	0.024290439	0.020286005	0.02197339	0.024186493	0.023436361	0.024290439	SR9
SR10	0.01849772	0.02379957	0.025826189	0.020444435	0.022235063	0.025826189	SR10
SR11	0.01870232	0.02439809	0.020113986	0.018936313	0.021793439	0.02439809	SR11
SR12	0.020647299	0.018739727	0.019618799	0.022127645	0.019195344	0.022127645	SR12
SR13	0.010638594	0.011672459	0.011573422	0.010865194	0.010997546	0.011672459	SR13
SR14	0.005838396	0.007720152	0.007887786	0.006815473	0.007113573	0.007887786	SR14

Maximum : 0.031676887 SR7

First Highest 0.5-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.027783057	0.026902649	0.027663555	0.025190699	0.029889595	0.029889595	SR1
SR2	0.060274677	0.057184156	0.059096641	0.054111974	0.063362455	0.063362455	SR2
SR3	0.057513551	0.063554385	0.063431675	0.050673121	0.077007037	0.077007037	SR3
SR4	0.040749557	0.034384925	0.034787212	0.037405519	0.037532233	0.040749557	SR4
SR5	0.023117676	0.024187537	0.027663488	0.024335554	0.030546285	0.030546285	SR5
SR6	0.062654134	0.051525456	0.060996825	0.051191924	0.056101642	0.062654134	SR6
SR7	0.093646175	0.083923346	0.093266032	0.078581764	0.083231527	0.093646175	SR7
SR8	0.047156354	0.044222368	0.048636377	0.044948697	0.062582525	0.062582525	SR8
SR9	0.071809668	0.059971386	0.064959791	0.071502372	0.06928476	0.071809668	SR9
SR10	0.054684688	0.070358514	0.076349795	0.060439751	0.065733373	0.076349795	SR10
SR11	0.055289546	0.072127914	0.059462847	0.055981299	0.064427803	0.072127914	SR11
SR12	0.061039476	0.055400133	0.057998929	0.065415812	0.056747071	0.065415812	SR12
SR13	0.031450806	0.034507215	0.034214431	0.032120702	0.032511972	0.034507215	SR13
SR14	0.017260012	0.022823034	0.02331861	0.020148538	0.021029809	0.02331861	SR14

Maximum : 0.093646175 SR7

2041 - Future No Build

Acrolein

First Highest 1-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.002280574	0.002158926	0.001947049	0.002149797	0.001939369	0.002280574	SR1
SR2	0.003987497	0.004448304	0.00371112	0.00357451	0.004922526	0.004922526	SR2
SR3	0.006622926	0.007981003	0.007155931	0.009912423	0.009627451	0.009912423	SR3
SR4	0.003881378	0.004001111	0.002822846	0.004001111	0.003264907	0.004001111	SR4
SR5	0.001972151	0.002440823	0.002351493	0.00227635	0.001868686	0.002440823	SR5
SR6	0.005360802	0.005840027	0.004804562	0.006118432	0.005699602	0.006118432	SR6
SR7	0.009713609	0.007111774	0.006780075	0.006085966	0.007564101	0.009713609	SR7
SR8	0.003425662	0.004491657	0.003430478	0.003678576	0.003174706	0.004491657	SR8
SR9	0.006583488	0.007097264	0.006368069	0.008990727	0.005457106	0.008990727	SR9
SR10	0.005154418	0.005261881	0.00414688	0.004205093	0.004645504	0.005261881	SR10
SR11	0.006150151	0.007153211	0.005954896	0.004465666	0.005743735	0.007153211	SR11
SR12	0.005721127	0.007285712	0.008025689	0.006410114	0.009631243	0.009631243	SR12
SR13	0.002345815	0.002666162	0.002351419	0.002666162	0.002005099	0.002666162	SR13
SR14	0.001915205	0.002198981	0.001488482	0.001577042	0.001569669	0.002198981	SR14

Maximum : 0.009912423 SR3

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.000448952	0.000433253	0.000446675	0.000406418	0.00048075	0.00048075	SR1
SR2	0.000974975	0.000923183	0.00095605	0.000873939	0.001023459	0.001023459	SR2
SR3	0.000924142	0.001018986	0.001017201	0.000812996	0.001236233	0.001236233	SR3
SR4	0.000648036	0.000553241	0.000558497	0.000592172	0.000603897	0.000648036	SR4
SR5	0.000361093	0.000361572	0.000425011	0.00036756	0.000454678	0.000454678	SR5
SR6	0.000960475	0.000776609	0.00092645	0.000794779	0.000858888	0.000960475	SR6
SR7	0.001414503	0.001263348	0.001425677	0.001203949	0.001282783	0.001425677	SR7
SR8	0.000674543	0.000649944	0.000710788	0.000671674	0.000888336	0.000888336	SR8
SR9	0.001059414	0.000882905	0.000966241	0.001002173	0.000999041	0.001059414	SR9
SR10	0.000796389	0.001023828	0.001100073	0.000873696	0.000978605	0.001100073	SR10
SR11	0.00083743	0.001056549	0.00087991	0.000810446	0.000925898	0.001056549	SR11
SR12	0.00092241	0.000854602	0.000883878	0.000991615	0.000866224	0.000991615	SR12
SR13	0.000482951	0.000528742	0.000520916	0.000496075	0.000495337	0.000528742	SR13
SR14	0.000268559	0.000353271	0.00035948	0.000301596	0.000328749	0.00035948	SR14

Maximum : 0.001425677 SR7

Formaldehyde

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.011429638	0.011043163	0.011373495	0.010352439	0.012257214	0.012257214	SR1
SR2	0.024810872	0.023509444	0.024326648	0.022249964	0.026054653	0.026054653	SR2
SR3	0.02356773	0.026007071	0.025956679	0.020746469	0.031538255	0.031538255	SR3
SR4	0.016584429	0.014105638	0.014248439	0.01518173	0.015395107	0.016584429	SR4
SR5	0.009304929	0.009462505	0.01101498	0.009541949	0.011917898	0.011917898	SR5
SR6	0.024921138	0.020270179	0.024113949	0.02052776	0.022293316	0.024921138	SR6
SR7	0.036893969	0.03298423	0.037025505	0.031239469	0.033221485	0.037025505	SR7
SR8	0.017935449	0.017114286	0.018752321	0.017576092	0.023686423	0.023686423	SR8
SR9	0.027856903	0.023183791	0.025252015	0.026855653	0.026491781	0.027856903	SR9
SR10	0.021032862	0.02704877	0.029167913	0.023140837	0.025641934	0.029167913	SR10
SR11	0.021623281	0.027852888	0.023110714	0.021133418	0.024575398	0.027852888	SR11
SR12	0.024055429	0.022126526	0.022981852	0.025834929	0.02250451	0.025834929	SR12
SR13	0.012518138	0.013715449	0.013546633	0.012838413	0.012875372	0.013715449	SR13
SR14	0.006927755	0.009128087	0.009303628	0.007888684	0.008466041	0.009303628	SR14

Maximum : 0.037025505 SR7

2041 - Future No Build

Benzene

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.013844549	0.013260716	0.013750405	0.012488477	0.014669877	0.014669877	SR1
SR2	0.030130617	0.028408489	0.029555619	0.026916911	0.031525982	0.031525982	SR2
SR3	0.028129718	0.030865621	0.030821196	0.024661769	0.037555567	0.037555567	SR3
SR4	0.019259314	0.016897771	0.01697609	0.017411762	0.018444533	0.019259314	SR4
SR5	0.010285348	0.009695029	0.011598865	0.009886115	0.011338321	0.011598865	SR5
SR6	0.026092048	0.020475305	0.024529382	0.022329118	0.023243854	0.026092048	SR6
SR7	0.036876039	0.032606215	0.038428796	0.032648333	0.035353301	0.038428796	SR7
SR8	0.016834032	0.016421746	0.018566892	0.016933243	0.019183914	0.019183914	SR8
SR9	0.025698586	0.022734413	0.024709312	0.023124957	0.022469717	0.025698586	SR9
SR10	0.021235195	0.024662857	0.024642097	0.019803696	0.024389088	0.024662857	SR10
SR11	0.023587863	0.025052804	0.02154807	0.021128781	0.020570829	0.025052804	SR11
SR12	0.024083893	0.023609671	0.023823322	0.026120728	0.023259109	0.026120728	SR12
SR13	0.013164874	0.014330444	0.013880272	0.013751373	0.013452095	0.014330444	SR13
SR14	0.007630576	0.009821102	0.009890015	0.007643085	0.009373159	0.009890015	SR14

Maximum : 0.038428796 SR7

First Highest Annual Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.003111346	0.002962725	0.003175402	0.003160628	0.002838612	0.003175402	SR1
SR2	0.007903681	0.007362342	0.008286484	0.008106605	0.007519676	0.008286484	SR2
SR3	0.007228346	0.007559	0.006906353	0.006789514	0.007383351	0.007559	SR3
SR4	0.004797926	0.00451413	0.004915891	0.004842412	0.004520055	0.004915891	SR4
SR5	0.002188088	0.002032737	0.002214088	0.00213745	0.001962569	0.002214088	SR5
SR6	0.005623055	0.005594627	0.005610131	0.006209042	0.005523668	0.006209042	SR6
SR7	0.011326397	0.01120023	0.011563839	0.011016533	0.010847664	0.011563839	SR7
SR8	0.004640811	0.004419721	0.004662761	0.00454467	0.004332693	0.004662761	SR8
SR9	0.006201039	0.006166304	0.00626603	0.006712114	0.006134239	0.006712114	SR9
SR10	0.007479217	0.007767117	0.0073692	0.007249802	0.007752814	0.007767117	SR10
SR11	0.006264704	0.006608236	0.006081747	0.006637415	0.006619652	0.006637415	SR11
SR12	0.005331284	0.005833432	0.005308709	0.005532705	0.005721816	0.005833432	SR12
SR13	0.004478378	0.004519836	0.004433964	0.00425451	0.004414684	0.004519836	SR13
SR14	0.002397036	0.002546183	0.002290316	0.002316912	0.00247625	0.002546183	SR14

Maximum : 0.011563839 SR7

2041 - Future No Build

1,3-Butadiene

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	--	--	--	--	--	0	SR1
SR2	--	--	--	--	--	0	SR2
SR3	--	--	--	--	--	0	
SR4	--	--	--	--	--	0	SR3
SR5	--	--	--	--	--	0	
SR6	--	--	--	--	--	0	
SR7	--	--	--	--	--	0	SR4
SR8	--	--	--	--	--	0	SR5
SR9	--	--	--	--	--	0	
SR10	--	--	--	--	--	0	
SR11	--	--	--	--	--	0	
SR12	--	--	--	--	--	0	
SR13	--	--	--	--	--	0	SR6
SR14	--	--	--	--	--	0	SR7
					Maximum :	**0**	**n/a**

First Highest Annual Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	--	--	--	--	--	0	SR1
SR2	--	--	--	--	--	0	SR2
SR3	--	--	--	--	--	0	
SR4	--	--	--	--	--	0	SR3
SR5	--	--	--	--	--	0	
SR6	--	--	--	--	--	0	
SR7	--	--	--	--	--	0	SR4
SR8	--	--	--	--	--	0	SR5
SR9	--	--	--	--	--	0	
SR10	--	--	--	--	--	0	
SR11	--	--	--	--	--	0	
SR12	--	--	--	--	--	0	
SR13	--	--	--	--	--	0	SR6
SR14	--	--	--	--	--	0	SR7
					Maximum :	**0**	**n/a**

2041 - Future No Build

Sulphur Dioxide

First Highest 1-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.112428859	0.113301101	0.102194446	0.105772232	0.101085269	0.113301101	SR1
SR2	0.209291107	0.23325282	0.194047375	0.187349735	0.257807261	0.257807261	SR2
SR3	0.34211826	0.412149983	0.370943004	0.513431173	0.499278332	0.513431173	SR3
SR4	0.200058505	0.205262962	0.147210398	0.205262962	0.162802348	0.205262962	SR4
SR5	0.099743338	0.11284369	0.104893459	0.100935063	0.090363926	0.11284369	SR5
SR6	0.265265598	0.284657378	0.228912246	0.308232212	0.268740983	0.308232212	SR6
SR7	0.454134116	0.332091001	0.317353791	0.289638223	0.348150289	0.454134116	SR7
SR8	0.149240405	0.193996174	0.146171492	0.151940725	0.149666992	0.193996174	SR8
SR9	0.291756004	0.301827932	0.283280704	0.398264378	0.219836121	0.398264378	SR9
SR10	0.217395201	0.226502935	0.187359923	0.179917521	0.197615235	0.226502935	SR10
SR11	0.310271885	0.360875777	0.261567385	0.210259742	0.255720567	0.360875777	SR11
SR12	0.266635219	0.35414444	0.386407213	0.303856895	0.466541428	0.466541428	SR12
SR13	0.118390878	0.120368379	0.118629903	0.120368379	0.098838181	0.120368379	SR13
SR14	0.09234221	0.100562028	0.076672414	0.081382104	0.078807174	0.100562028	SR14

Maximum : 0.513431173 SR3

First Highest Annual Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.005228246	0.004984727	0.005336826	0.005310477	0.004771736	0.005336826	SR1
SR2	0.013238788	0.012336973	0.013883345	0.013578113	0.012599788	0.013883345	SR2
SR3	0.012133981	0.012682459	0.011592457	0.011387784	0.012388799	0.012682459	SR3
SR4	0.008078044	0.007603605	0.008276453	0.00814551	0.007613456	0.008276453	SR4
SR5	0.003865174	0.003580274	0.003904855	0.003754352	0.003465477	0.003904855	SR5
SR6	0.009974062	0.009940194	0.009957516	0.011022435	0.009793352	0.011022435	SR6
SR7	0.020193836	0.019999372	0.020658019	0.019691037	0.019325451	0.020658019	SR7
SR8	0.008282038	0.007873837	0.008338093	0.008069682	0.007759525	0.008338093	SR8
SR9	0.011182434	0.011133489	0.011301496	0.012148629	0.011062167	0.012148629	SR9
SR10	0.01332484	0.013900702	0.013151715	0.012938424	0.013827571	0.013900702	SR10
SR11	0.011230859	0.011915711	0.010910437	0.011940596	0.011906818	0.011940596	SR11
SR12	0.009420297	0.010313577	0.009382959	0.009764485	0.010102527	0.010313577	SR12
SR13	0.007914741	0.007985314	0.007837095	0.007519281	0.007803394	0.007985314	SR13
SR14	0.004135808	0.004396836	0.003958386	0.003993555	0.004274352	0.004396836	SR14

Maximum : 0.020658019 SR7

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.023156345	0.022268342	0.023078771	0.020928621	0.024751407	0.024751407	SR1
SR2	0.050405871	0.047600385	0.049497894	0.045209338	0.052958868	0.052958868	SR2
SR3	0.047550414	0.052259886	0.052326586	0.041656422	0.063470619	0.063470619	SR3
SR4	0.033041561	0.028421244	0.028658472	0.029891841	0.031114935	0.033041561	SR4
SR5	0.017893994	0.017238756	0.020681825	0.017793192	0.021045858	0.021045858	SR5
SR6	0.046609991	0.037211934	0.044583913	0.039469395	0.041793981	0.046609991	SR6
SR7	0.067192854	0.060198677	0.069225463	0.058712852	0.062815022	0.069225463	SR7
SR8	0.03005081	0.030125858	0.033022894	0.031541108	0.038202066	0.038202066	SR8
SR9	0.048495931	0.041238489	0.045396279	0.043896076	0.043721761	0.048495931	SR9
SR10	0.038067131	0.046754069	0.048608248	0.038620761	0.045392557	0.048608248	SR10
SR11	0.04152079	0.048028288	0.04061473	0.03868658	0.040783897	0.048028288	SR11
SR12	0.043988497	0.041873481	0.042865519	0.047291569	0.042079047	0.047291569	SR12
SR13	0.023645746	0.025822586	0.025026655	0.024434363	0.023902414	0.025822586	SR13
SR14	0.013308975	0.017421551	0.017545602	0.014082571	0.016311112	0.017545602	SR14

Maximum : 0.069225463 SR7

2041 - Future No Build

Sulphur Dioxide

First Highest 10-minute Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.185677873	0.187118393	0.168775593	0.174684359	0.166943772	0.187118393	SR1
SR2	0.345647265	0.385220378	0.320472023	0.309410775	0.425772389	0.425772389	SR2
SR3	0.565013213	0.680671608	0.612617692	0.847938947	0.824565327	0.847938947	SR3
SR4	0.330399491	0.338994727	0.243120084	0.338994727	0.268870413	0.338994727	SR4
SR5	0.164727554	0.186362972	0.173233053	0.166695704	0.14923732	0.186362972	SR5
SR6	0.43808994	0.470115743	0.378051858	0.509049919	0.443829588	0.509049919	SR6
SR7	0.750009007	0.548453052	0.524114338	0.478341681	0.574975196	0.750009007	SR7
SR8	0.24647267	0.320387464	0.241404316	0.250932287	0.247177183	0.320387464	SR8
SR9	0.481839225	0.49847316	0.467842146	0.657739333	0.363062507	0.657739333	SR9
SR10	0.359031293	0.374072846	0.309427601	0.297136367	0.326364395	0.374072846	SR10
SR11	0.512418468	0.595991523	0.431982288	0.347246981	0.422326185	0.595991523	SR11
SR12	0.440351889	0.584874622	0.638157055	0.50182402	0.770499861	0.770499861	SR12
SR13	0.195524234	0.198790104	0.195918986	0.198790104	0.163232674	0.198790104	SR13
SR14	0.152504485	0.166079632	0.126625592	0.134403712	0.130151179	0.166079632	SR14

Maximum : 0.847938947 SR3

Benzo(a)Pyrene

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	6.66768E-06	6.41245E-06	6.61872E-06	6.02287E-06	7.0797E-06	7.0797E-06	SR1
SR2	1.44743E-05	1.36769E-05	1.41841E-05	1.29471E-05	1.51401E-05	1.51401E-05	SR2
SR3	1.35215E-05	1.48745E-05	1.48266E-05	1.18956E-05	1.80831E-05	1.80831E-05	SR3
SR4	9.33088E-06	8.17351E-06	8.18162E-06	8.48268E-06	8.90783E-06	9.33088E-06	SR4
SR5	5.15686E-06	4.88838E-06	5.88011E-06	4.99085E-06	5.82664E-06	5.88011E-06	SR5
SR6	1.35324E-05	1.06488E-05	1.27668E-05	1.15292E-05	1.20584E-05	1.35324E-05	SR6
SR7	1.92512E-05	1.70253E-05	1.998E-05	1.6913E-05	1.83347E-05	1.998E-05	SR7
SR8	8.47118E-06	8.30344E-06	9.3846E-06	8.6245E-06	9.8721E-06	9.8721E-06	SR8
SR9	1.32737E-05	1.16072E-05	1.27098E-05	1.19603E-05	1.17028E-05	1.32737E-05	SR9
SR10	1.06613E-05	1.25234E-05	1.26934E-05	1.01921E-05	1.23327E-05	1.26934E-05	SR10
SR11	1.21759E-05	1.30351E-05	1.11319E-05	1.09839E-05	1.07052E-05	1.30351E-05	SR11
SR12	1.26354E-05	1.22511E-05	1.23178E-05	1.36938E-05	1.20648E-05	1.36938E-05	SR12
SR13	6.71694E-06	7.32459E-06	7.15797E-06	7.16595E-06	7.07335E-06	7.32459E-06	SR13
SR14	3.7686E-06	4.87216E-06	4.93335E-06	3.88626E-06	4.61092E-06	4.93335E-06	SR14

Maximum : 1.998E-05 SR7

First Highest Annual Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	1.50955E-06	1.43625E-06	1.53775E-06	1.52968E-06	1.37565E-06	1.53775E-06	SR1
SR2	3.8136E-06	3.55038E-06	3.99386E-06	3.90603E-06	3.62541E-06	3.99386E-06	SR2
SR3	3.48389E-06	3.64195E-06	3.32831E-06	3.27131E-06	3.55711E-06	3.64195E-06	SR3
SR4	2.32684E-06	2.18781E-06	2.38098E-06	2.34346E-06	2.19045E-06	2.38098E-06	SR4
SR5	1.10844E-06	1.02697E-06	1.1184E-06	1.07601E-06	9.91733E-07	1.1184E-06	SR5
SR6	2.93172E-06	2.91731E-06	2.92197E-06	3.23695E-06	2.88056E-06	3.23695E-06	SR6
SR7	5.92261E-06	5.85924E-06	6.04316E-06	5.75403E-06	5.66987E-06	6.04316E-06	SR7
SR8	2.35863E-06	2.24491E-06	2.36653E-06	2.29877E-06	2.20209E-06	2.36653E-06	SR8
SR9	3.18907E-06	3.17517E-06	3.21643E-06	3.45572E-06	3.15755E-06	3.45572E-06	SR9
SR10	3.7719E-06	3.91618E-06	3.71981E-06	3.65447E-06	3.9031E-06	3.91618E-06	SR10
SR11	3.19585E-06	3.36998E-06	3.10066E-06	3.39416E-06	3.37623E-06	3.39416E-06	SR11
SR12	2.75694E-06	3.01544E-06	2.74481E-06	2.86108E-06	2.95806E-06	3.01544E-06	SR12
SR13	2.31305E-06	2.32885E-06	2.28984E-06	2.19269E-06	2.27566E-06	2.32885E-06	SR13
SR14	1.19229E-06	1.26423E-06	1.13919E-06	1.14902E-06	1.2302E-06	1.26423E-06	SR14

Maximum : 6.04316E-06 SR7

2041 - Future Build Out

Carbon Monoxide (CO)

First Highest 1-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	222.4051429	248.9249143	218.0275429	204.7083429	214.7156571	248.9249143	SR1
SR2	448.9070857	526.2056	391.1402286	394.6957714	529.4957714	529.4957714	SR2
SR3	738.4762286	894.7198857	814.0053714	1129.035086	1108.410857	1129.035086	SR3
SR4	417.4747429	424.0436571	332.3870857	424.0436571	331.7984	424.0436571	SR4
SR5	144.7910857	166.5741714	193.7366857	148.5044571	155.1091429	193.7366857	SR5
SR6	262.1540571	260.2750857	314.4873143	322.6755429	290.9342857	322.6755429	SR6
SR7	417.5166857	371.5002286	389.1483429	316.8733714	311.5154286	417.5166857	SR7
SR8	219.8787429	302.6834286	219.2021714	219.1410286	266.3835429	302.6834286	SR8
SR9	251.2989714	365.6692571	277.1005714	278.4294857	364.708	365.6692571	SR9
SR10	388.9508571	450.5093714	268.2936	264.0730286	374.2793143	450.5093714	SR10
SR11	322.9450286	396.2624	260.7469714	236.0468571	297.4516571	396.2624	SR11
SR12	137.1802286	194.0496	213.8156571	164.1012571	272.0363429	272.0363429	SR12
SR13	149.8845714	173.6717714	168.4798857	133.1517714	143.3930286	173.6717714	SR13
SR14	156.1043429	171.0865143	168.5685714	158.6208	176.6892571	176.6892571	SR14

Maximum : 1129.035086 SR3

First Highest 8-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	80	91.42857143	91.42857143	102.8571429	91.42857143	102.8571429	SR1
SR2	160	171.4285714	182.8571429	182.8571429	182.8571429	182.8571429	SR2
SR3	240	228.5714286	262.8571429	194.2857143	285.7142857	285.7142857	SR3
SR4	137.1428571	114.2857143	125.7142857	137.1428571	114.2857143	137.1428571	SR4
SR5	57.14285714	68.57142857	68.57142857	57.14285714	68.57142857	68.57142857	SR5
SR6	91.42857143	102.8571429	114.2857143	80	91.42857143	114.2857143	SR6
SR7	114.2857143	125.7142857	125.7142857	137.1428571	125.7142857	137.1428571	SR7
SR8	68.57142857	102.8571429	80	91.42857143	80	102.8571429	SR8
SR9	91.42857143	137.1428571	102.8571429	102.8571429	114.2857143	137.1428571	SR9
SR10	125.7142857	125.7142857	114.2857143	91.42857143	125.7142857	125.7142857	SR10
SR11	91.42857143	91.42857143	91.42857143	68.57142857	91.42857143	91.42857143	SR11
SR12	57.14285714	68.57142857	80	68.57142857	80	80	SR12
SR13	45.71428571	57.14285714	57.14285714	57.14285714	68.57142857	68.57142857	SR13
SR14	57.14285714	68.57142857	68.57142857	68.57142857	68.57142857	68.57142857	SR14

Maximum : 285.7142857 SR3

2041 - Future Build Out

Nitrogen Oxides (NOx)

First Highest 1-Hour Average (ppm)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum ppm	5-year Maximum ppb	
SR1	0.02263396	0.0247295	0.02167956	0.02141256	0.02340085	0.0247295	24.7295	SR1
SR2	0.04412204	0.05191937	0.03961285	0.03897514	0.05274777	0.05274777	52.74777	SR2
SR3	0.0740177	0.08924619	0.08044623	0.11173158	0.10974197	0.11173158	111.7316	SR3
SR4	0.04225163	0.04301909	0.03402888	0.04301909	0.03454533	0.04301909	43.01909	SR4
SR5	0.01627506	0.01785024	0.02148419	0.01533096	0.01689889	0.02148419	21.48419	SR5
SR6	0.0286805	0.02921664	0.03400994	0.03479943	0.03019508	0.03479943	34.79943	SR6
SR7	0.051978	0.051978	0.05257897	0.03974936	0.03791626	0.05257897	52.57897	SR7
SR8	0.02118874	0.03222657	0.02354555	0.02321883	0.02917545	0.03222657	32.22657	SR8
SR9	0.02466395	0.03767981	0.02883309	0.02883863	0.03773821	0.03773821	37.73821	SR9
SR10	0.03905217	0.04480717	0.02571566	0.02689978	0.03723253	0.04480717	44.80717	SR10
SR11	0.03257462	0.03960489	0.02623762	0.02403309	0.029817	0.03960489	39.60489	SR11
SR12	0.02045534	0.01959865	0.02162457	0.01974469	0.02753869	0.02753869	27.53869	SR12
SR13	0.01581123	0.01903692	0.01897737	0.01357147	0.0153891	0.01903692	19.03692	SR13
SR14	0.01646259	0.01745438	0.0186573	0.01652175	0.01997022	0.01997022	19.97022	SR14

Maximum : 111.7316 SR3

First Highest 24-Hour Average (ppm)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum ppm	5-year Maximum ppb	
SR1	0.00521761	0.005043375	0.005147763	0.004664063	0.005537914	0.005537914	5.537914	SR1
SR2	0.01082264	0.010276418	0.010609091	0.009636532	0.01136614	0.01136614	11.36614	SR2
SR3	0.010805677	0.012339681	0.011985209	0.009953234	0.014614333	0.014614333	14.61433	SR3
SR4	0.00745534	0.006737825	0.006554562	0.007095237	0.007571666	0.007571666	7.571666	SR4
SR5	0.004130135	0.003819441	0.003665076	0.003276899	0.003770405	0.004130135	4.130135	SR5
SR6	0.005869858	0.004723738	0.0059663	0.004935558	0.004947149	0.0059663	5.9663	SR6
SR7	0.00967356	0.009248073	0.010208494	0.008918565	0.009256925	0.010208494	10.20849	SR7
SR8	0.00460978	0.005162545	0.005486045	0.004255062	0.004748605	0.005486045	5.486045	SR8
SR9	0.00558899	0.005809544	0.005827623	0.005434685	0.004875065	0.005827623	5.827623	SR9
SR10	0.0058228	0.006151818	0.006180425	0.005375753	0.006771852	0.006771852	6.771852	SR10
SR11	0.004320689	0.005147164	0.004689529	0.004584078	0.004574358	0.005147164	5.147164	SR11
SR12	0.003352721	0.004138779	0.003848418	0.003608865	0.003808094	0.004138779	4.138779	SR12
SR13	0.003770233	0.003575608	0.003441208	0.003191898	0.003745517	0.003770233	3.770233	SR13
SR14	0.004394949	0.00393076	0.003849882	0.003609195	0.004394688	0.004394949	4.394949	SR14

Maximum : 14.61433 SR3

First Highest Annual Average (ppm)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum ppm	5-year Maximum ppb	
SR1	0.001157025	0.001099911	0.001181002	0.001172384	0.001056483	0.001181002	1.181002	SR1
SR2	0.002839956	0.002647344	0.002967607	0.002908584	0.002697572	0.002967607	2.967607	SR2
SR3	0.002910949	0.003040566	0.002765573	0.002739372	0.002962651	0.003040566	3.040566	SR3
SR4	0.001835878	0.001717579	0.001873548	0.001833046	0.001725401	0.001873548	1.873548	SR4
SR5	0.000731903	0.000685504	0.000742482	0.000753628	0.000663256	0.000753628	0.753628	SR5
SR6	0.00113124	0.001115288	0.001127395	0.001244221	0.00109967	0.001244221	1.244221	SR6
SR7	0.002621931	0.002539633	0.002687079	0.0026178	0.002477686	0.002687079	2.687079	SR7
SR8	0.001912159	0.001900692	0.0018983	0.001912184	0.001896668	0.001912184	1.912184	SR8
SR9	0.001571268	0.001543095	0.001591795	0.001685779	0.001553995	0.001685779	1.685779	SR9
SR10	0.002003671	0.002118968	0.001986321	0.001998101	0.002138033	0.002138033	2.138033	SR10
SR11	0.001347529	0.001453742	0.001333047	0.001404887	0.001455626	0.001455626	1.455626	SR11
SR12	0.00110655	0.001170529	0.001129624	0.001163234	0.001168593	0.001170529	1.170529	SR12
SR13	0.001009996	0.00107755	0.000986556	0.000994519	0.001048077	0.00107755	1.07755	SR13
SR14	0.000976037	0.001072636	0.000948844	0.000979373	0.001033686	0.001072636	1.072636	SR14

Maximum : 3.040566 SR3

2041 - Future Build Out

Particulate Matter (PM_{10})

First Highest 24-Hour Average (µg/m³ x ER Factor)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m³)	
SR1	4.029727935	4.01724621	4.039869303	3.648981584	4.412027105	4.029570428	SR1
SR2	7.855712414	7.572175573	7.755269583	7.167462152	8.43231322	7.756586589	SR2
SR3	8.699578818	10.45596326	9.810742098	8.496371679	12.01461213	9.895453598	SR3
SR4	6.193152166	5.422478418	5.371457701	5.950563918	6.081562428	5.803842926	SR4
SR5	4.294941783	3.832737379	3.502077039	3.290164514	3.58454743	3.700893629	SR5
SR6	5.294824743	4.695028761	5.83247776	4.633871813	4.351789323	4.96159848	SR6
SR7	8.076396513	6.579513509	8.059052769	6.337673254	6.50928665	7.112384539	SR7
SR8	4.345504593	5.286392089	5.395163027	4.569337488	5.000011834	4.919281806	SR8
SR9	4.461541628	5.005578067	4.50533048	4.305099653	3.899824128	4.435474791	SR9
SR10	4.23259436	4.654520408	4.685044741	4.282201617	4.781845696	4.527241365	SR10
SR11	3.668412239	4.388480536	4.1079965	3.803816041	3.749940163	3.943729096	SR11
SR12	2.955987176	3.817254969	3.506475601	3.227700992	3.481843141	3.397852376	SR12
SR13	3.271112989	3.119043006	3.194904282	2.988833733	3.14463865	3.143706532	SR13
SR14	4.275202045	3.57883081	3.863732115	3.445478281	4.180520673	3.868752785	SR14

Maximum : 9.895453598 SR3

Fine Particulate Matter ($PM_{2.5}$)

First Highest 24-Hour Average (µg/m³)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m³)	
SR1	0.959727469	0.957113735	0.96267874	0.869374812	1.051127791	0.960004509	SR1
SR2	1.873178852	1.805275878	1.849151673	1.709782591	2.010688967	1.849615592	SR2
SR3	2.071205784	2.487223573	2.33665835	2.021483117	2.860412903	2.355396746	SR3
SR4	1.479258058	1.293956505	1.281075332	1.421265701	1.45210838	1.385532795	SR4
SR5	1.025134349	0.917589717	0.837407583	0.787054048	0.859079641	0.885253067	SR5
SR6	1.274675745	1.128249852	1.401823226	1.113398232	1.048788384	1.193387088	SR6
SR7	1.953538016	1.601023358	1.938910615	1.540886748	1.582656434	1.723403034	SR7
SR8	1.04252938	1.262310865	1.292564263	1.095131169	1.199400613	1.178387258	SR8
SR9	1.07460597	1.201155518	1.08234922	1.036501885	0.93496458	1.065915435	SR9
SR10	1.017822054	1.11341988	1.118372935	1.025785583	1.149617065	1.085003503	SR10
SR11	0.880811478	1.05453962	0.983484369	0.913701713	0.898300092	0.946167455	SR11
SR12	0.712087174	0.915542271	0.839604944	0.777262336	0.836443637	0.816188072	SR12
SR13	0.77708917	0.740563803	0.756601288	0.707907941	0.745867238	0.745605888	SR13
SR14	1.01691386	0.850451989	0.91805589	0.818991818	0.992460394	0.91937479	SR14

Maximum : 2.355396746 SR3

First Highest Annual Average (µg/m³)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m³)	
SR1	0.215535525	0.20451191	0.218554838	0.216199543	0.196347075	0.210229778	SR1
SR2	0.491520866	0.458649341	0.510237514	0.500103566	0.464406327	0.484983523	SR2
SR3	0.586661288	0.611702166	0.55514544	0.551699473	0.594101891	0.579862051	SR3
SR4	0.349369038	0.325351742	0.353315879	0.343378873	0.325616603	0.339406427	SR4
SR5	0.165890831	0.154416138	0.16708193	0.171572256	0.148996454	0.161591522	SR5
SR6	0.240764973	0.237996078	0.238569316	0.265860765	0.236656689	0.243969564	SR6
SR7	0.556916437	0.546239255	0.569931445	0.566406055	0.534197025	0.554738043	SR7
SR8	0.51343723	0.524230825	0.505151198	0.513258908	0.524476649	0.516110962	SR8
SR9	0.297997775	0.294886795	0.303609657	0.322400483	0.30163755	0.304106452	SR9
SR10	0.36474147	0.38249831	0.363057806	0.364223413	0.386702493	0.372244698	SR10
SR11	0.252405386	0.269575422	0.25008795	0.266315746	0.271999576	0.262076816	SR11
SR12	0.241197579	0.255940747	0.244737959	0.253339119	0.252899293	0.24962294	SR12
SR13	0.219520974	0.233118212	0.215430024	0.217374016	0.225465322	0.22218171	SR13
SR14	0.209808825	0.22941608	0.204145498	0.208778365	0.221362133	0.21470218	SR14

Maximum : 0.579862051 SR3

2041 - Future Build Out

Acetaldehyde

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.025663673	0.024765714	0.025326041	0.022942857	0.027190204	0.027190204	SR1
SR2	0.053457306	0.050689796	0.052417469	0.047564898	0.056124245	0.056124245	SR2
SR3	0.053126857	0.060424751	0.058884624	0.048790358	0.071806952	0.071806952	SR3
SR4	0.036570286	0.033071837	0.032218776	0.034693551	0.037049796	0.037049796	SR4
SR5	0.019949061	0.018533346	0.017845547	0.015948646	0.018425142	0.019949061	SR5
SR6	0.028878367	0.023118902	0.029213531	0.024268215	0.024346083	0.029213531	SR6
SR7	0.047241633	0.044994939	0.049786449	0.043461224	0.04524098	0.049786449	SR7
SR8	0.02269502	0.025178776	0.026857959	0.020663837	0.023366694	0.026857959	SR8
SR9	0.027743347	0.028560378	0.028825193	0.0267476	0.024216485	0.028825193	SR9
SR10	0.02887298	0.030634985	0.030609565	0.026522616	0.03361927	0.03361927	SR10
SR11	0.021373224	0.025403647	0.023056412	0.022652622	0.022700565	0.025403647	SR11
SR12	0.016605061	0.020159558	0.018448332	0.017307363	0.018671684	0.020159558	SR12
SR13	0.018271673	0.017316245	0.016554776	0.015364082	0.018199837	0.018271673	SR13
SR14	0.021184653	0.019085224	0.018546449	0.017368327	0.021231347	0.021231347	SR14

Maximum : 0.071806952 SR3

First Highest 0.5-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.075869351	0.07321472	0.074871209	0.067825819	0.080382223	0.080382223	SR1
SR2	0.158035486	0.149853913	0.154961423	0.140615798	0.16591974	0.16591974	SR2
SR3	0.157058582	0.178633298	0.17408023	0.144238617	0.212282426	0.212282426	SR3
SR4	0.108112497	0.097770056	0.095248156	0.102564319	0.10953007	0.10953007	SR4
SR5	0.05897528	0.054790011	0.052756674	0.047148877	0.054470128	0.05897528	SR5
SR6	0.085372929	0.06834626	0.08636377	0.071743966	0.071974167	0.08636377	SR6
SR7	0.139660131	0.133018244	0.147183355	0.128484135	0.133745613	0.147183355	SR7
SR8	0.067093141	0.07443585	0.07940001	0.061088366	0.069078805	0.07940001	SR8
SR9	0.082017476	0.084432858	0.085215731	0.079073756	0.071591037	0.085215731	SR9
SR10	0.085357001	0.090566007	0.090490859	0.078408638	0.099388429	0.099388429	SR10
SR11	0.063185524	0.075100636	0.068161519	0.066967798	0.067109533	0.075100636	SR11
SR12	0.049089434	0.059597569	0.054538684	0.051165643	0.055198979	0.059597569	SR12
SR13	0.054016429	0.051191902	0.048940775	0.045420734	0.053804059	0.054016429	SR13
SR14	0.062628052	0.056421525	0.054828746	0.051345871	0.062766093	0.062766093	SR14

Maximum : 0.212282426 SR3

2041 - Future Build Out

Acrolein

First Highest 1-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.00510472	0.005614293	0.004913705	0.004786555	0.005113835	0.005614293	SR1
SR2	0.010099161	0.011852528	0.008963593	0.008897785	0.011983559	0.011983559	SR2
SR3	0.016857282	0.020293854	0.018398517	0.025531392	0.025066985	0.025531392	SR3
SR4	0.009568373	0.009734286	0.007699735	0.009734286	0.007721259	0.009734286	SR4
SR5	0.003507849	0.003896395	0.004640215	0.003410354	0.003757042	0.004640215	SR5
SR6	0.006309177	0.006411152	0.007470501	0.007740213	0.006742105	0.007740213	SR6
SR7	0.010735954	0.010735954	0.010956846	0.008273287	0.007820901	0.010956846	SR7
SR8	0.004938251	0.00709957	0.005105163	0.005134203	0.006373899	0.00709957	SR8
SR9	0.00567837	0.008453051	0.006453694	0.006471536	0.00844293	0.008453051	SR9
SR10	0.008904306	0.010219413	0.006009013	0.006078866	0.00849811	0.010219413	SR10
SR11	0.007409227	0.009018359	0.006000064	0.005444535	0.006779687	0.009018359	SR11
SR12	0.003648203	0.004478306	0.004934366	0.004064071	0.006284142	0.006284142	SR12
SR13	0.00349741	0.004128784	0.004091179	0.003037417	0.003324576	0.004128784	SR13
SR14	0.003614192	0.003885577	0.003971003	0.003680418	0.004254843	0.004254843	SR14

Maximum : 0.025531392 SR3

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.001173785	0.001130692	0.001159419	0.001051243	0.001241392	0.001241392	SR1
SR2	0.002458527	0.002327138	0.002412338	0.00218591	0.002582961	0.002582961	SR2
SR3	0.002436697	0.002755871	0.002697451	0.002228783	0.003291415	0.003291415	SR3
SR4	0.00167433	0.001508477	0.001476233	0.001578438	0.001677869	0.001677869	SR4
SR5	0.000901673	0.000838892	0.000809456	0.000726359	0.000840318	0.000901673	SR5
SR6	0.001318512	0.001053312	0.00133187	0.001104684	0.001108199	0.00133187	SR6
SR7	0.002091107	0.001938434	0.002166726	0.001884255	0.001974119	0.002166726	SR7
SR8	0.001041281	0.001141709	0.001226494	0.000946463	0.001063687	0.001226494	SR8
SR9	0.001281191	0.001305754	0.001325441	0.001216329	0.001118726	0.001325441	SR9
SR10	0.001332377	0.001420974	0.001414592	0.001222602	0.001552156	0.001552156	SR10
SR11	0.000983856	0.001165477	0.001058	0.00104289	0.001049908	0.001165477	SR11
SR12	0.000767187	0.000899267	0.000795365	0.000771621	0.000844459	0.000899267	SR12
SR13	0.000821856	0.000775014	0.000736433	0.000690041	0.000814893	0.000821856	SR13
SR14	0.000949038	0.000861352	0.000837985	0.000768606	0.000960458	0.000960458	SR14

Maximum : 0.003291415 SR3

Formaldehyde

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.030637204	0.029530372	0.030236663	0.027404413	0.032416398	0.032416398	SR1
SR2	0.063924709	0.060565852	0.062705469	0.056834107	0.067129719	0.067129719	SR2
SR3	0.063526393	0.072121112	0.070343796	0.058285566	0.085855408	0.085855408	SR3
SR4	0.04353325	0.039357837	0.038460235	0.041170321	0.043875051	0.043875051	SR4
SR5	0.02361901	0.021911388	0.021146964	0.018943852	0.021874495	0.02361901	SR5
SR6	0.034238378	0.027408556	0.034642265	0.028702811	0.028796337	0.034642265	SR6
SR7	0.054851776	0.05128498	0.057124765	0.049735776	0.051971755	0.057124765	SR7
SR8	0.027015342	0.029779291	0.031912367	0.024515306	0.027632638	0.031912367	SR8
SR9	0.033118061	0.033912311	0.034320026	0.031636515	0.028897372	0.034320026	SR9
SR10	0.034404077	0.03660273	0.036528296	0.031646224	0.040079286	0.040079286	SR10
SR11	0.025459867	0.030212643	0.027471781	0.026993087	0.027090459	0.030212643	SR11
SR12	0.019805092	0.023661372	0.021109372	0.020048827	0.022040148	0.023661372	SR12
SR13	0.02166777	0.020471847	0.019500454	0.018240648	0.021516561	0.02166777	SR13
SR14	0.025030985	0.022652842	0.022028847	0.02036875	0.025247148	0.025247148	SR14

Maximum : 0.085855408 SR3

2041 - Future Build Out

Benzene

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.033939604	0.032544014	0.033548888	0.03045445	0.035726772	0.035726772	SR1
SR2	0.071512443	0.067489779	0.070292486	0.063425421	0.075235139	0.075235139	SR2
SR3	0.070942698	0.07971921	0.07827686	0.064663446	0.095805808	0.095805808	SR3
SR4	0.04792068	0.043086577	0.042682449	0.044604526	0.047477526	0.04792068	SR4
SR5	0.025260114	0.023347469	0.022756885	0.020605013	0.023768457	0.025260114	SR5
SR6	0.037080762	0.029636909	0.037491682	0.030775152	0.030864826	0.037491682	SR6
SR7	0.053793071	0.045609253	0.052708062	0.045257033	0.048294416	0.053793071	SR7
SR8	0.029748577	0.031818853	0.034823869	0.027294588	0.030467092	0.034823869	SR8
SR9	0.036979959	0.036973685	0.038260817	0.033886967	0.032229136	0.038260817	SR9
SR10	0.038198908	0.041160136	0.041025771	0.035246144	0.044580064	0.044580064	SR10
SR11	0.02818274	0.033174249	0.0303381	0.029897307	0.030276151	0.033174249	SR11
SR12	0.022068919	0.024277659	0.022798034	0.021996424	0.023348146	0.024277659	SR12
SR13	0.023192849	0.021778927	0.020419392	0.019578252	0.022709143	0.023192849	SR13
SR14	0.026394059	0.024399886	0.023809168	0.020711852	0.027419441	0.027419441	SR14

Maximum : 0.095805808 SR3

First Highest Annual Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.007525887	0.00716377	0.007689104	0.007656182	0.006874783	0.007689104	SR1
SR2	0.018783083	0.017525921	0.019667723	0.019292339	0.017873128	0.019667723	SR2
SR3	0.018825897	0.019678272	0.017914812	0.017727434	0.019190574	0.019678272	SR3
SR4	0.011888287	0.011140863	0.012145973	0.01192185	0.011176532	0.012145973	SR4
SR5	0.004575611	0.004292276	0.004654166	0.004712069	0.004155273	0.004712069	SR5
SR6	0.007142432	0.007030024	0.007124164	0.007849626	0.00694813	0.007849626	SR6
SR7	0.015143132	0.014807281	0.015509438	0.015200502	0.014467203	0.015509438	SR7
SR8	0.011892697	0.011819419	0.011836552	0.011948583	0.011770213	0.011948583	SR8
SR9	0.009702579	0.009474983	0.009909838	0.010385913	0.009578685	0.010385913	SR9
SR10	0.013026085	0.013796294	0.012855118	0.012943512	0.013925834	0.013925834	SR10
SR11	0.008779293	0.009504738	0.00868959	0.009137152	0.009503191	0.009504738	SR11
SR12	0.006494902	0.006964721	0.006565437	0.006787481	0.006851953	0.006964721	SR12
SR13	0.005885041	0.006317733	0.005781135	0.005868464	0.006102865	0.006317733	SR13
SR14	0.00585437	0.006418031	0.005680465	0.005861019	0.006190202	0.006418031	SR14

Maximum : 0.019678272 SR3

2041 - Future Build Out

1,3-Butadiene

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	--	--	--	--	--	0	R_1669-R1
SR2	--	--	--	--	--	0	R_1673-R2
SR3	--	--	--	--	--	0	
SR4	--	--	--	--	--	0	R_1452-R4
SR5	--	--	--	--	--	0	
SR6	--	--	--	--	--	0	
SR7	--	--	--	--	--	0	R_645-R7
SR8	--	--	--	--	--	0	R_781-R8
SR9	--	--	--	--	--	0	
SR10	--	--	--	--	--	0	
SR11	--	--	--	--	--	0	
SR12	--	--	--	--	--	0	
SR13	--	--	--	--	--	0	R_1071-R13
SR14	--	--	--	--	--	0	R_1291-R14
					Maximum :	**0**	**n/a**

First Highest Annual Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	--	--	--	--	--	0	R_1669-R1
SR2	--	--	--	--	--	0	R_1673-R2
SR3	--	--	--	--	--	0	
SR4	--	--	--	--	--	0	R_1452-R4
SR5	--	--	--	--	--	0	
SR6	--	--	--	--	--	0	
SR7	--	--	--	--	--	0	R_645-R7
SR8	--	--	--	--	--	0	R_781-R8
SR9	--	--	--	--	--	0	
SR10	--	--	--	--	--	0	
SR11	--	--	--	--	--	0	
SR12	--	--	--	--	--	0	
SR13	--	--	--	--	--	0	R_1071-R13
SR14	--	--	--	--	--	0	R_1291-R14
					Maximum :	**0**	**n/a**

2041 - Future Build Out

Sulphur Dioxide

First Highest 1-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.254894562	0.282756418	0.247773994	0.23712475	0.249226686	0.282756418	SR1
SR2	0.511004882	0.598768017	0.449227982	0.449413455	0.603231368	0.603231368	SR2
SR3	0.84843644	1.021536418	0.929527013	1.289187294	1.265467479	1.289187294	SR3
SR4	0.479214933	0.487197555	0.384783416	0.487197555	0.383317663	0.487197555	SR4
SR5	0.168936778	0.193926687	0.224227373	0.169415872	0.1840209	0.224227373	SR5
SR6	0.305968928	0.309993937	0.36517351	0.380355069	0.334792366	0.380355069	SR6
SR7	0.489222599	0.484683491	0.500176436	0.387224597	0.366315079	0.500176436	SR7
SR8	0.25224257	0.349061193	0.25147508	0.253181425	0.309682292	0.349061193	SR8
SR9	0.287981512	0.420467762	0.320442558	0.321743999	0.419527861	0.420467762	SR9
SR10	0.447783127	0.514745675	0.307472298	0.303982284	0.42818785	0.514745675	SR10
SR11	0.372088491	0.453710142	0.301949926	0.272646611	0.34075961	0.453710142	SR11
SR12	0.171260145	0.225222131	0.247958421	0.190778099	0.315748542	0.315748542	SR12
SR13	0.172435935	0.200434152	0.197058034	0.151508131	0.164292918	0.200434152	SR13
SR14	0.177898747	0.193447594	0.193143263	0.182397625	0.203432534	0.203432534	SR14

Maximum : 1.289187294 SR3

First Highest Annual Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.012829275	0.012219773	0.013124204	0.01306001	0.01173143	0.013124204	SR1
SR2	0.032085735	0.029944434	0.033613537	0.03296525	0.030546953	0.033613537	SR2
SR3	0.031961551	0.033399594	0.030413855	0.030081073	0.032578506	0.033399594	SR3
SR4	0.020335145	0.019057723	0.020792021	0.020391422	0.019136511	0.020792021	SR4
SR5	0.007879719	0.007398269	0.008026388	0.008114206	0.007164344	0.008114206	SR5
SR6	0.01249797	0.012317989	0.012477074	0.013746957	0.012163369	0.013746957	SR6
SR7	0.027282132	0.026604769	0.027977237	0.02731609	0.025980453	0.027977237	SR7
SR8	0.020470444	0.020319026	0.020375677	0.020530332	0.020247953	0.020530332	SR8
SR9	0.017084709	0.016728899	0.017413383	0.018307191	0.016876096	0.018307191	SR9
SR10	0.02251252	0.0238431	0.022229631	0.022368259	0.024054395	0.024054395	SR10
SR11	0.015185014	0.016432663	0.015014268	0.015795251	0.016422944	0.016432663	SR11
SR12	0.011207671	0.012016446	0.011349727	0.011726092	0.011860863	0.012016446	SR12
SR13	0.010223614	0.010947437	0.010031522	0.010149123	0.010598825	0.010947437	SR13
SR14	0.010059078	0.011043432	0.009766449	0.010087159	0.010645619	0.011043432	SR14

Maximum : 0.033613537 SR2

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.057935327	0.055639977	0.057402813	0.051951702	0.061270661	0.061270661	SR1
SR2	0.122286341	0.115434925	0.120237481	0.108761275	0.128823118	0.128823118	SR2
SR3	0.121053973	0.135915452	0.133967416	0.109995906	0.163254251	0.163254251	SR3
SR4	0.082826992	0.074060292	0.073067678	0.077171807	0.081994217	0.082826992	SR4
SR5	0.04340144	0.040390182	0.039380904	0.035447585	0.04103534	0.04340144	SR5
SR6	0.064791576	0.051629879	0.065168833	0.054219231	0.054320958	0.065168833	SR6
SR7	0.098203918	0.087772125	0.099555754	0.086390498	0.091108972	0.099555754	SR7
SR8	0.05142476	0.055381742	0.060201147	0.047228928	0.052711028	0.060201147	SR8
SR9	0.064033795	0.064407472	0.066309564	0.059467944	0.055726563	0.066309564	SR9
SR10	0.066506041	0.071547262	0.071034568	0.060654531	0.07752722	0.07752722	SR10
SR11	0.048940618	0.057598081	0.052057499	0.051642037	0.052550416	0.057598081	SR11
SR12	0.038251841	0.042841453	0.039752491	0.038233523	0.041063129	0.042841453	SR12
SR13	0.039748659	0.037543041	0.0351928	0.033137802	0.039306943	0.039748659	SR13
SR14	0.045375174	0.041872458	0.040413899	0.036103432	0.046607727	0.046607727	SR14

Maximum : 0.163254251 SR3

2041 - Future Build Out

Sulphur Dioxide

First Highest 10-minute Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	0.420962026	0.46697628	0.409202305	0.391614926	0.411601447	0.46697628	SR1
SR2	0.843931893	0.988873969	0.741906457	0.742212767	0.996245257	0.996245257	SR2
SR3	1.401204951	1.687082048	1.535127196	2.129111309	2.089937693	2.129111309	SR3
SR4	0.791430335	0.804613751	0.635475331	0.804613751	0.633054618	0.804613751	SR4
SR5	0.279001513	0.320272706	0.370314723	0.279792742	0.303913156	0.370314723	SR5
SR6	0.505312073	0.511959434	0.60308929	0.628161853	0.552914394	0.628161853	SR6
SR7	0.80795814	0.800461739	0.826048558	0.639506977	0.604974607	0.826048558	SR7
SR8	0.416582222	0.576479567	0.415314702	0.418132756	0.511444747	0.576479567	SR8
SR9	0.475605598	0.694408539	0.529215481	0.531364829	0.69285628	0.694408539	SR9
SR10	0.739520258	0.850109867	0.507794911	0.502031103	0.707158375	0.850109867	SR10
SR11	0.614509481	0.749308808	0.498674634	0.450279789	0.562769384	0.749308808	SR11
SR12	0.282838587	0.37195758	0.409506889	0.315072767	0.521463246	0.521463246	SR12
SR13	0.28478042	0.331019877	0.32544417	0.250217851	0.271332111	0.331019877	SR13
SR14	0.293802332	0.319481476	0.318978869	0.301232295	0.335971747	0.335971747	SR14

Maximum : 2.129111309 SR3

Benzo(a)Pyrene

First Highest 24-Hour Average (µg/m^3)

Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	1.61574E-05	1.54935E-05	1.59552E-05	1.44939E-05	1.69573E-05	1.69573E-05	SR1
SR2	3.40874E-05	3.21744E-05	3.34479E-05	3.01822E-05	3.57547E-05	3.57547E-05	SR2
SR3	3.35535E-05	3.76676E-05	3.69843E-05	3.05814E-05	4.53393E-05	4.53393E-05	SR3
SR4	2.27129E-05	2.05379E-05	2.02817E-05	2.12367E-05	2.25533E-05	2.27129E-05	SR4
SR5	1.20448E-05	1.13513E-05	1.09299E-05	9.95492E-06	1.1607E-05	1.20448E-05	SR5
SR6	1.86507E-05	1.48236E-05	1.87864E-05	1.55267E-05	1.55747E-05	1.87864E-05	SR6
SR7	2.75386E-05	2.36957E-05	2.72445E-05	2.33485E-05	2.49635E-05	2.75386E-05	SR7
SR8	1.45665E-05	1.55496E-05	1.67935E-05	1.33652E-05	1.48748E-05	1.67935E-05	SR8
SR9	1.82062E-05	1.80814E-05	1.87562E-05	1.6684E-05	1.58028E-05	1.87562E-05	SR9
SR10	1.86346E-05	2.00516E-05	2.00272E-05	1.69733E-05	2.17315E-05	2.17315E-05	SR10
SR11	1.36928E-05	1.62947E-05	1.46668E-05	1.46579E-05	1.48495E-05	1.62947E-05	SR11
SR12	1.08698E-05	1.19745E-05	1.12916E-05	1.0914E-05	1.14742E-05	1.19745E-05	SR12
SR13	3.35535E-05	3.76676E-05	3.69843E-05	3.05814E-05	4.53393E-05	4.53393E-05	SR13
SR14	1.2435E-05	1.15718E-05	1.11989E-05	9.78898E-06	1.28737E-05	1.28737E-05	SR14

Maximum : 4.53393E-05 SR3

First Highest Annual Average (µg/m^3)

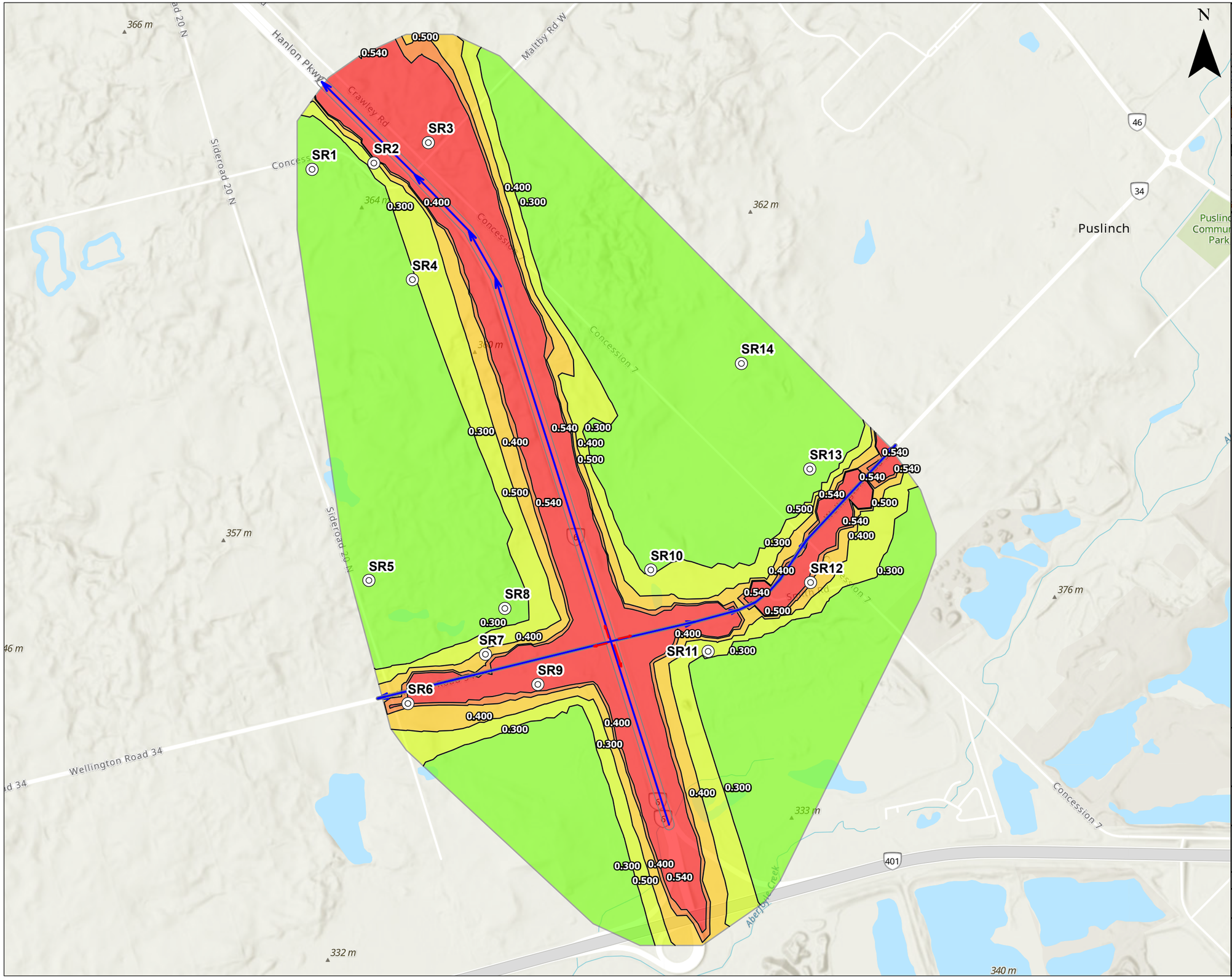
Receptor ID	2016	2017	2018	2019	2020	5-year Maximum (µg/m^3)	
SR1	3.59906E-06	3.42321E-06	3.67346E-06	3.65649E-06	3.28486E-06	3.67346E-06	SR1
SR2	8.98673E-06	8.37968E-06	9.40307E-06	9.22185E-06	8.54682E-06	9.40307E-06	SR2
SR3	8.91679E-06	9.31934E-06	8.4869E-06	8.39609E-06	9.09038E-06	9.31934E-06	SR3
SR4	5.68482E-06	5.32261E-06	5.80454E-06	5.69434E-06	5.34255E-06	5.80454E-06	SR4
SR5	2.23851E-06	2.09757E-06	2.27484E-06	2.29553E-06	2.03101E-06	2.29553E-06	SR5
SR6	3.64068E-06	3.58392E-06	3.62726E-06	4.00071E-06	3.54413E-06	4.00071E-06	SR6
SR7	7.80238E-06	7.62475E-06	7.98239E-06	7.80232E-06	7.44561E-06	7.98239E-06	SR7
SR8	5.87282E-06	5.83774E-06	5.83869E-06	5.88385E-06	5.81404E-06	5.88385E-06	SR8
SR9	4.84356E-06	4.73769E-06	4.93586E-06	5.18465E-06	4.78759E-06	5.18465E-06	SR9
SR10	6.32178E-06	6.69579E-06	6.24025E-06	6.27888E-06	6.75523E-06	6.75523E-06	SR10
SR11	4.28253E-06	4.63538E-06	4.2356E-06	4.46019E-06	4.63392E-06	4.63538E-06	SR11
SR12	3.13751E-06	3.37179E-06	3.16879E-06	3.2782E-06	3.31841E-06	3.37179E-06	SR12
SR13	2.84923E-06	3.0503E-06	2.7993E-06	2.83347E-06	2.95011E-06	3.0503E-06	SR13
SR14	2.7843E-06	3.0536E-06	2.7014E-06	2.78938E-06	2.94592E-06	3.0536E-06	SR14

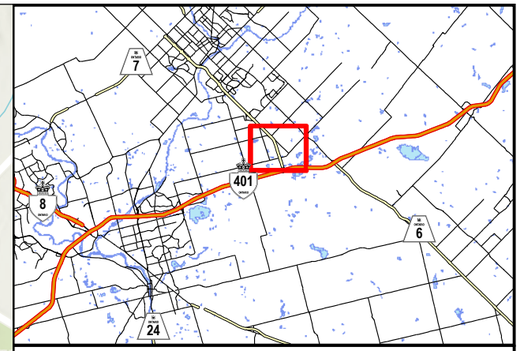
Maximum : 9.40307E-06 SR2

AECOM Imagine it. Delivered.

Appendix H

Isopleth Figures





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

CO ppm/1-Hour

- 0.1
- 0.3
- 0.4
- 0.5
- 0.54

CO concentrations are presented with a multiplier of 1 x

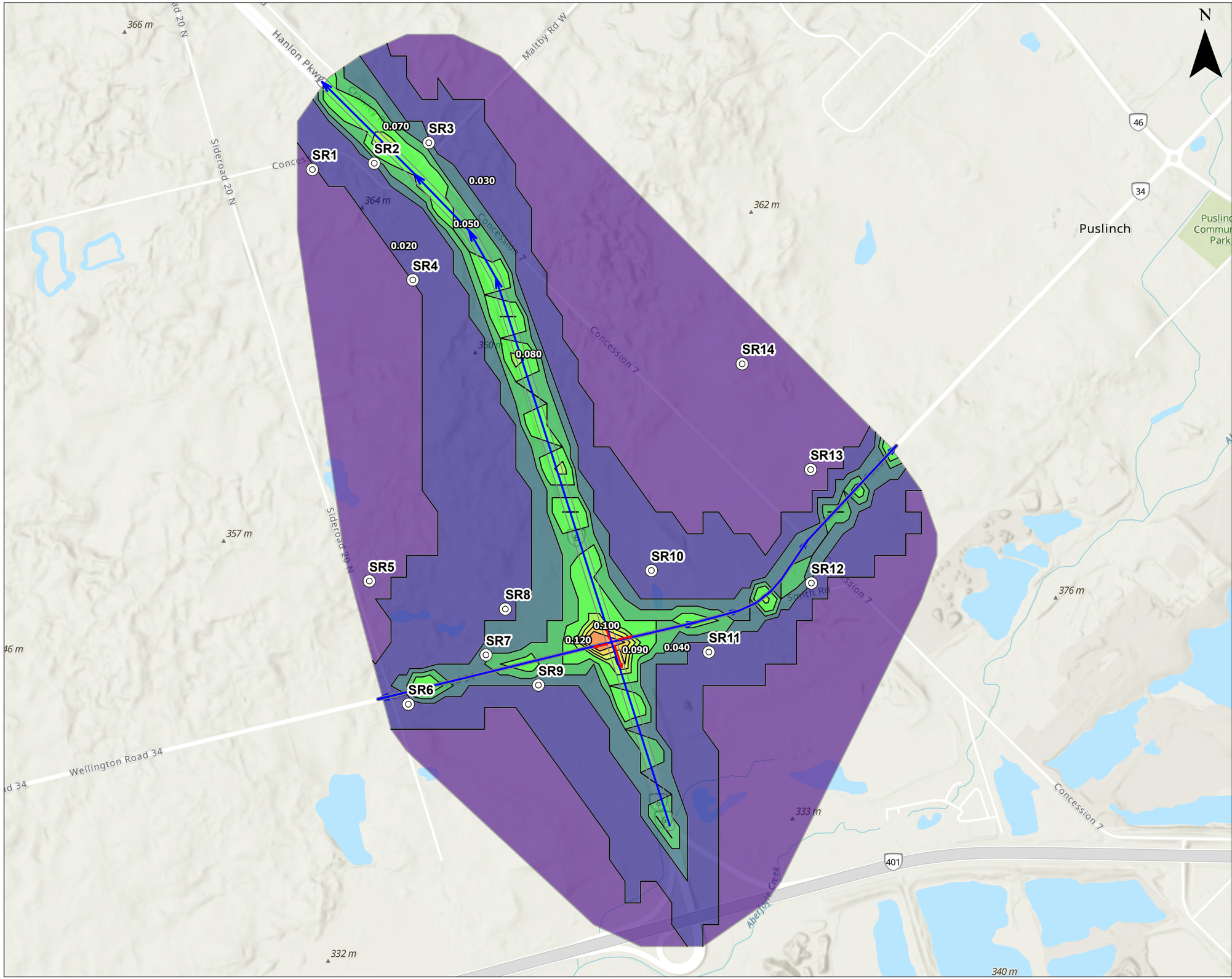
0 0.25 0.5 1
Kilometers

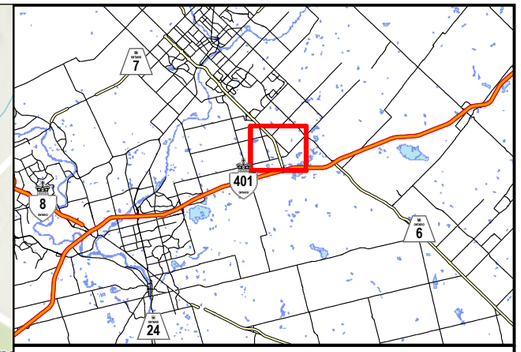
Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Existing Conditions 2019 CO 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	**Figure H1**

AECOM





N

Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

NOx ppm/-Hour

- 0.01
- 0.02
- 0.03
- 0.04
- 0.05
- 0.07
- 0.08
- 0.09
- 0.1
- 0.12

NOx concentrations are presented with a multiplier of 1 x

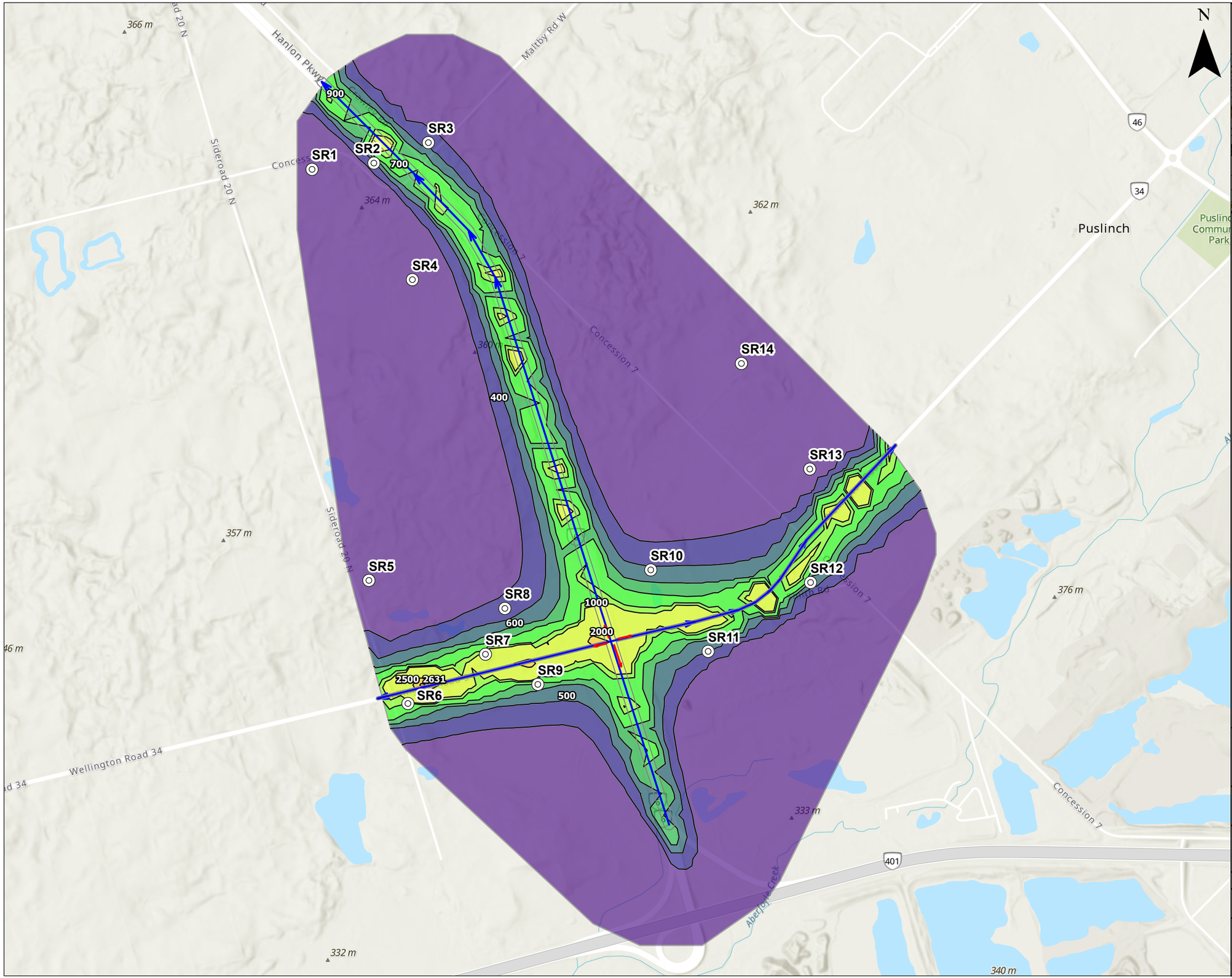
0 0.25 0.5 1
Kilometers

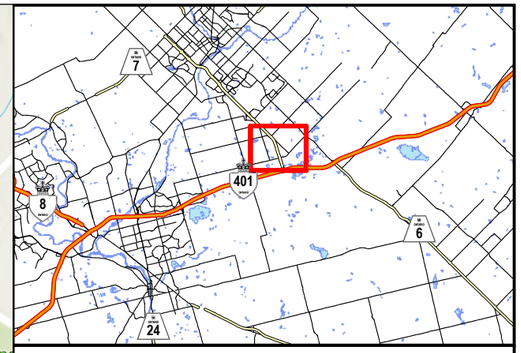
Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Existing Conditions 2019 NOx 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	**Figure H2**

AECOM





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

PM10 µg/m3/24-Hour

- 138.1054
- 400
- 500
- 600
- 700
- 900
- 1000
- 2000
- 2500
- 2630.60

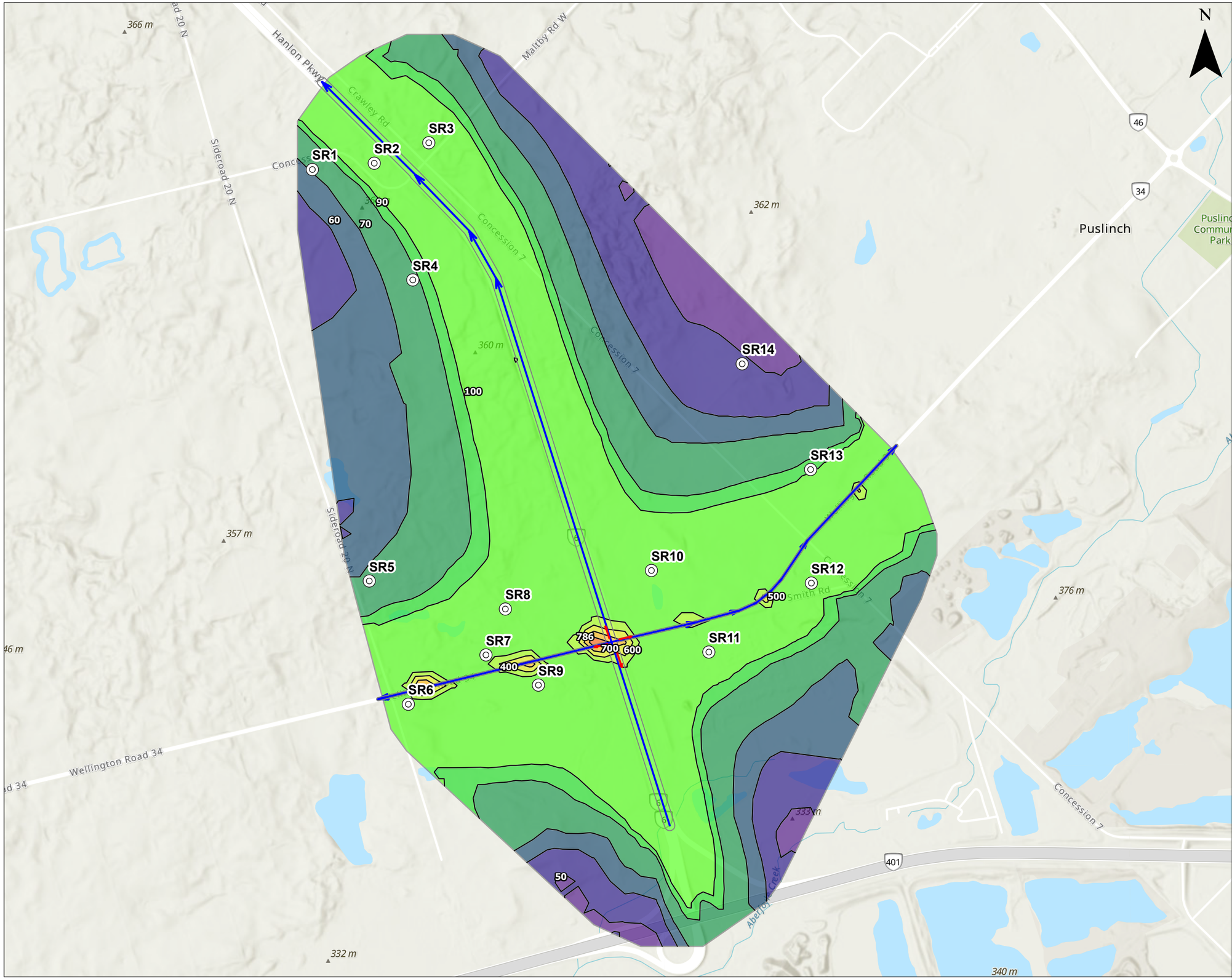
PM10 concentrations are presented with a multiplier of 100 x

0 0.25 0.5 1
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Existing Conditions 2016 PM10 24-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H3**



Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

PM25 µg/m3/24-Hour

- 44.8511
- 50
- 60
- 70
- 90
- 100
- 400
- 500
- 600
- 700
- 785.9084

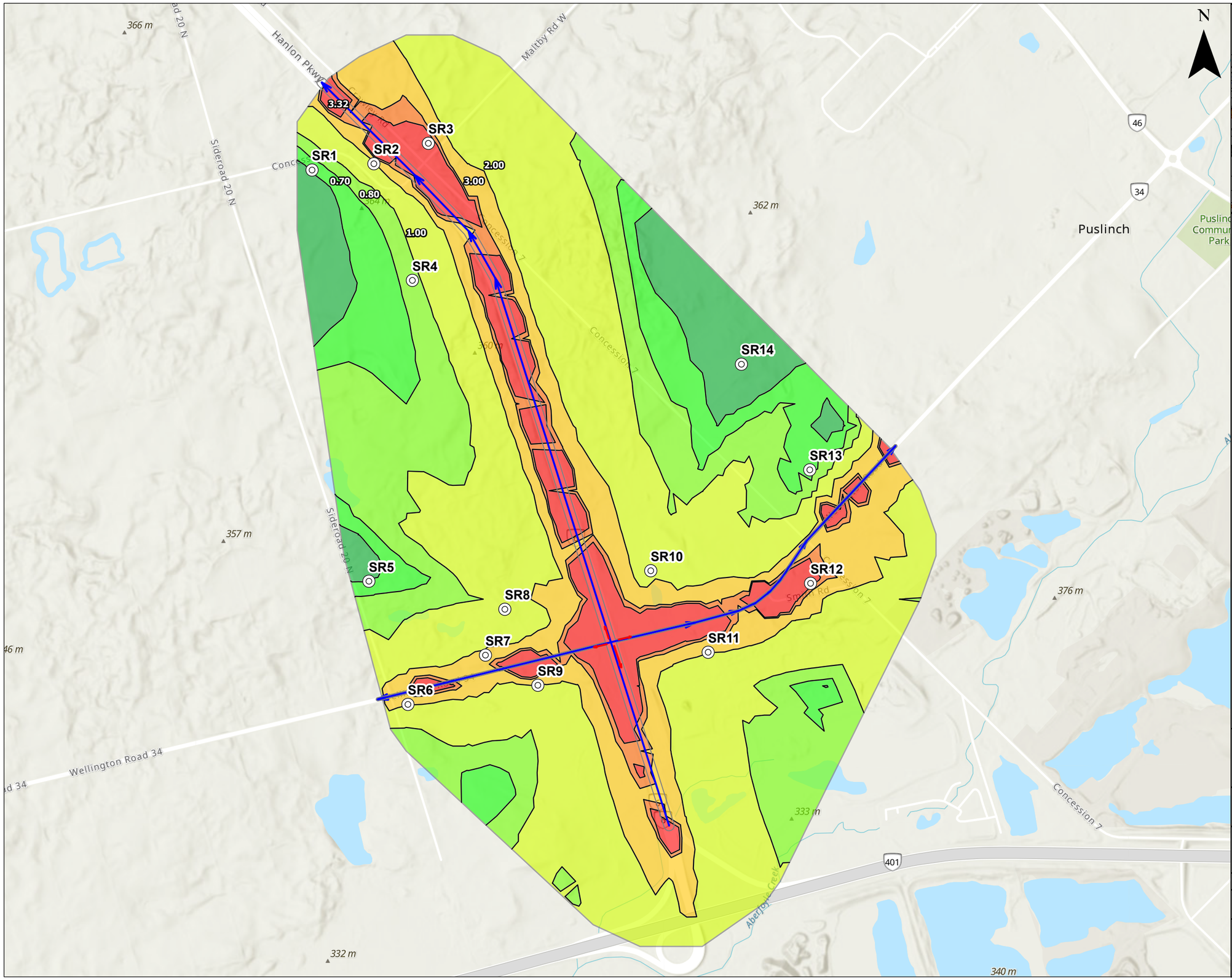
PM2.5 concentrations are presented with a multiplier of 100 x

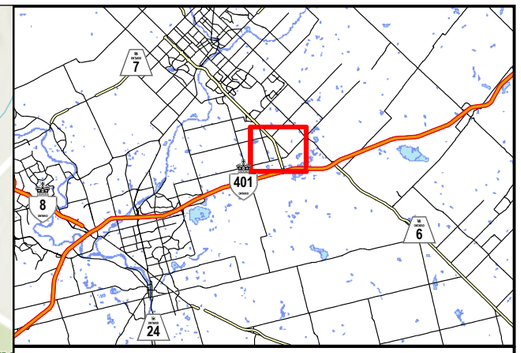
0 0.25 0.5 1
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Existing Conditions 2016 PM25 24-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H4**





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

Acetaldehyde ppm/1-Hour

- 0.5
- 0.7
- 0.8
- 1
- 2
- 3
- 3.32

Acetaldehyde concentrations are presented with a multiplier of 10,000 x

0 0.25 0.5 1
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Existing Conditions 2020 Acetaldehyde 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H5**

Path: N:\Active\...\Projects\60541071 - HWY 401 EIS\Design\01 - Reports\MxD\mxds\MXD\60541071-HR_EA-Modelling-20210503.mxd
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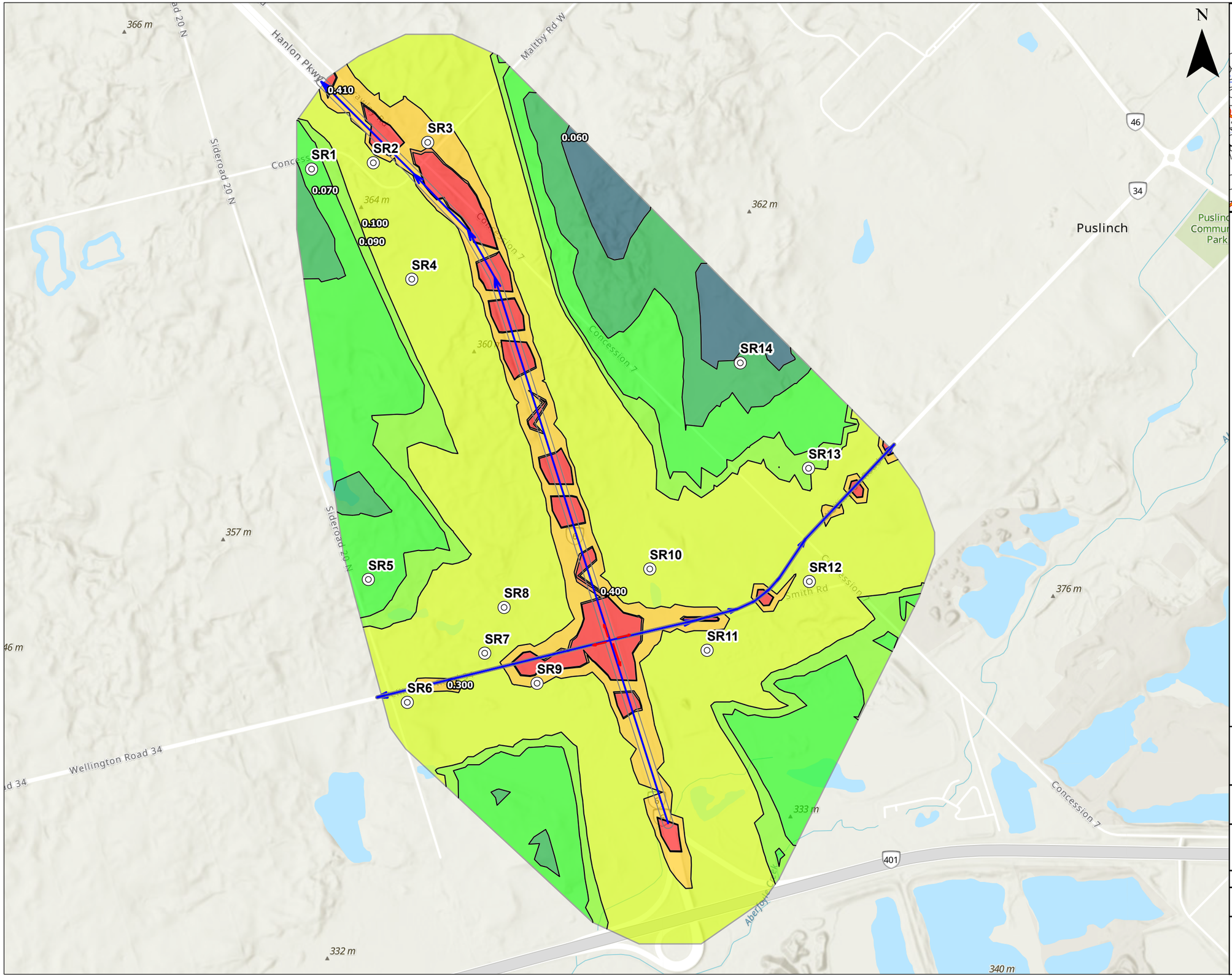
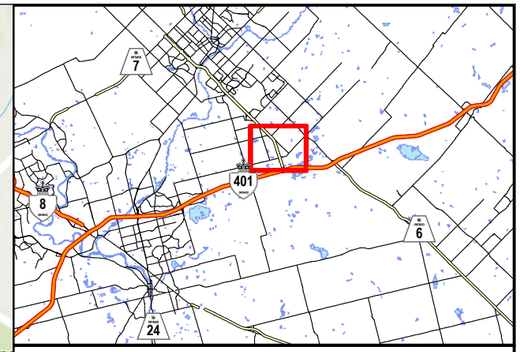




Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

Acrolein ppm/1-Hour

- 0.05
- 0.06
- 0.07
- 0.09
- 0.1
- 0.3
- 0.4
- 0.41

Acrolein concentrations are presented with a multiplier of 10,000 x

0 0.25 0.5 1
Kilometers

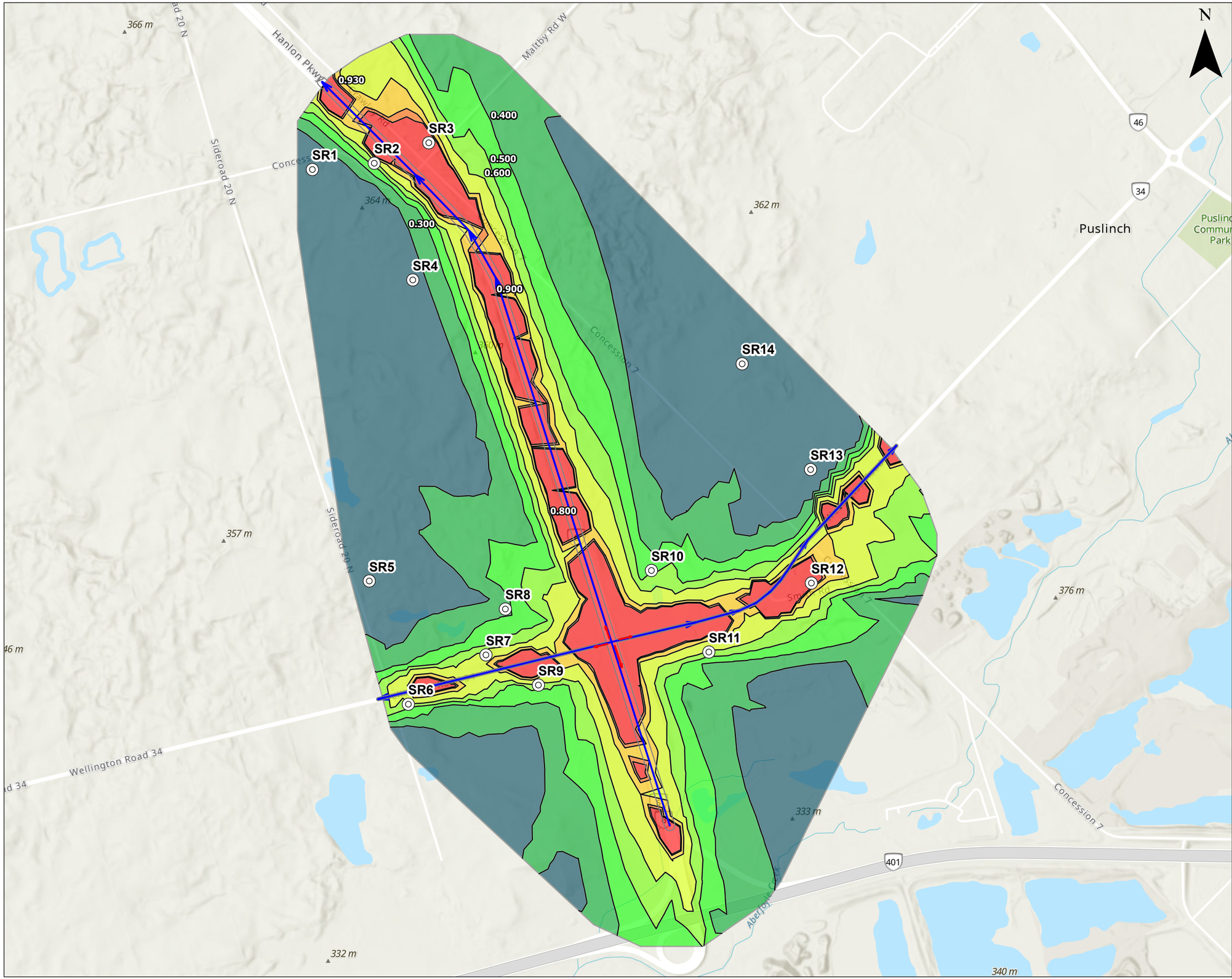
Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Existing Conditions 2019 Acrolein 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	**Figure H6**

AECOM

Map Location: G:\AECOM Projects\60541071 HWY401 EDwright\1 Reports\Acrolein\MXD\60541071ENTR_EAMeeting-20210520.mxd
Date Saved: 5/20/2021 12:00:53 PM User Name: cairmichaeli



Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

Formaldehyde ppm/1-Hour

- 0.1
- 0.3
- 0.4
- 0.5
- 0.6
- 0.8
- 0.9
- 0.93

Formaldehyde concentrations are presented with a multiplier of 1000 x

0 0.25 0.5 1
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

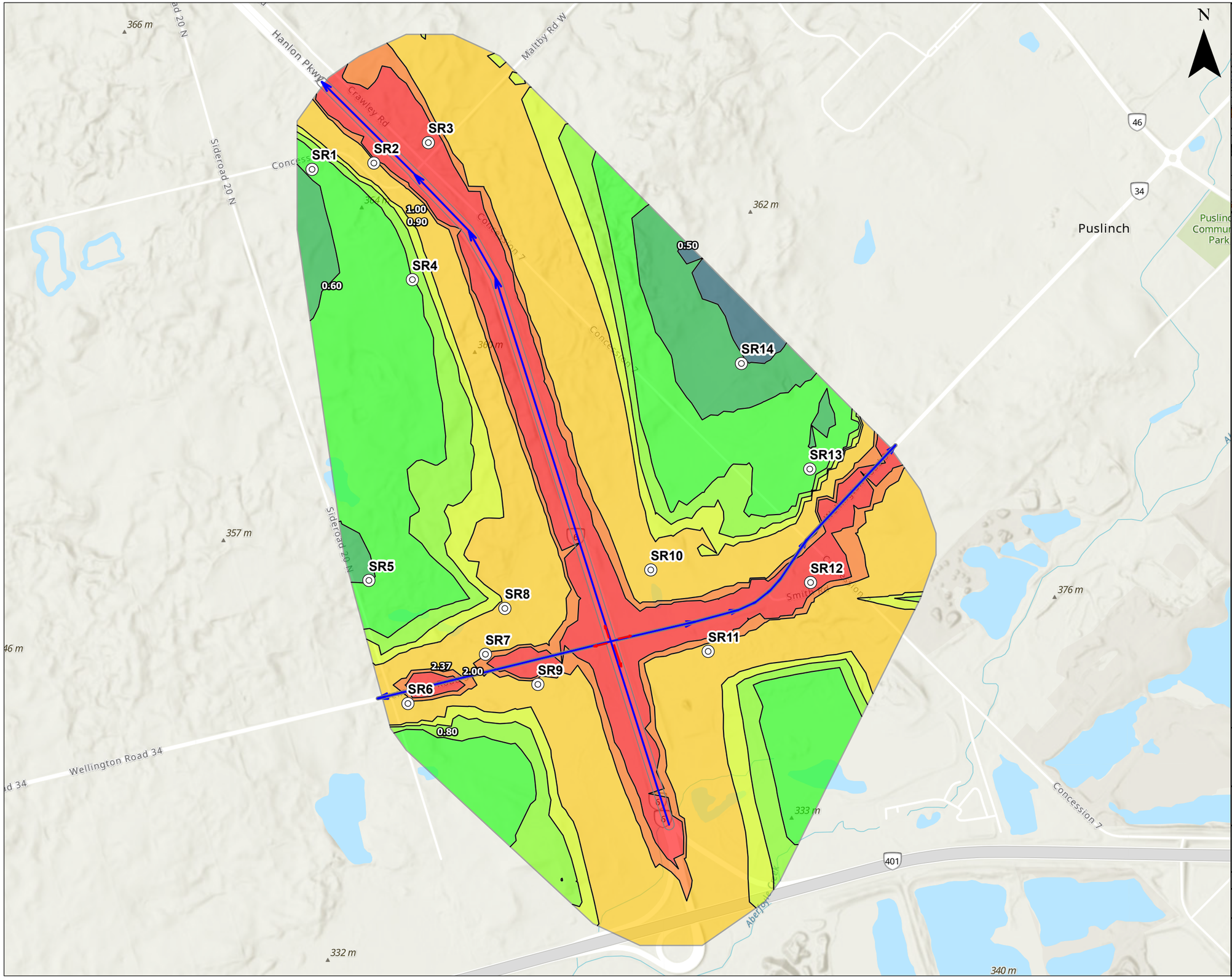
Existing Conditions 2020 Formaldehyde 1-Hour Isoconcentration Contours

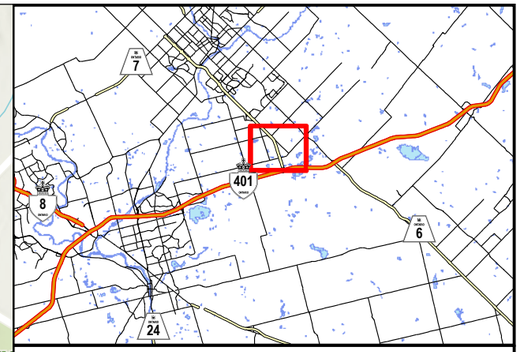
May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	

AECOM

Figure H7

Plot Scale: 1:14,000 | Plot Size: 17 x 11 Inches | File Name: C:\AECOM Projects\60541071 - HWY 401 EDS\Design\01 - Reports\Air\Quality\MOE\60541071-AIR_EC-Modelling-20210521.mxd | Date Saved: 5/20/2021 12:00:55 PM | User Name: cammchale





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

Benzene ppm/1-Hour

- 0.4
- 0.5
- 0.6
- 0.8
- 0.9
- 1
- 2
- 2.37

Benzene concentrations are presented with a multiplier of 10,000 x

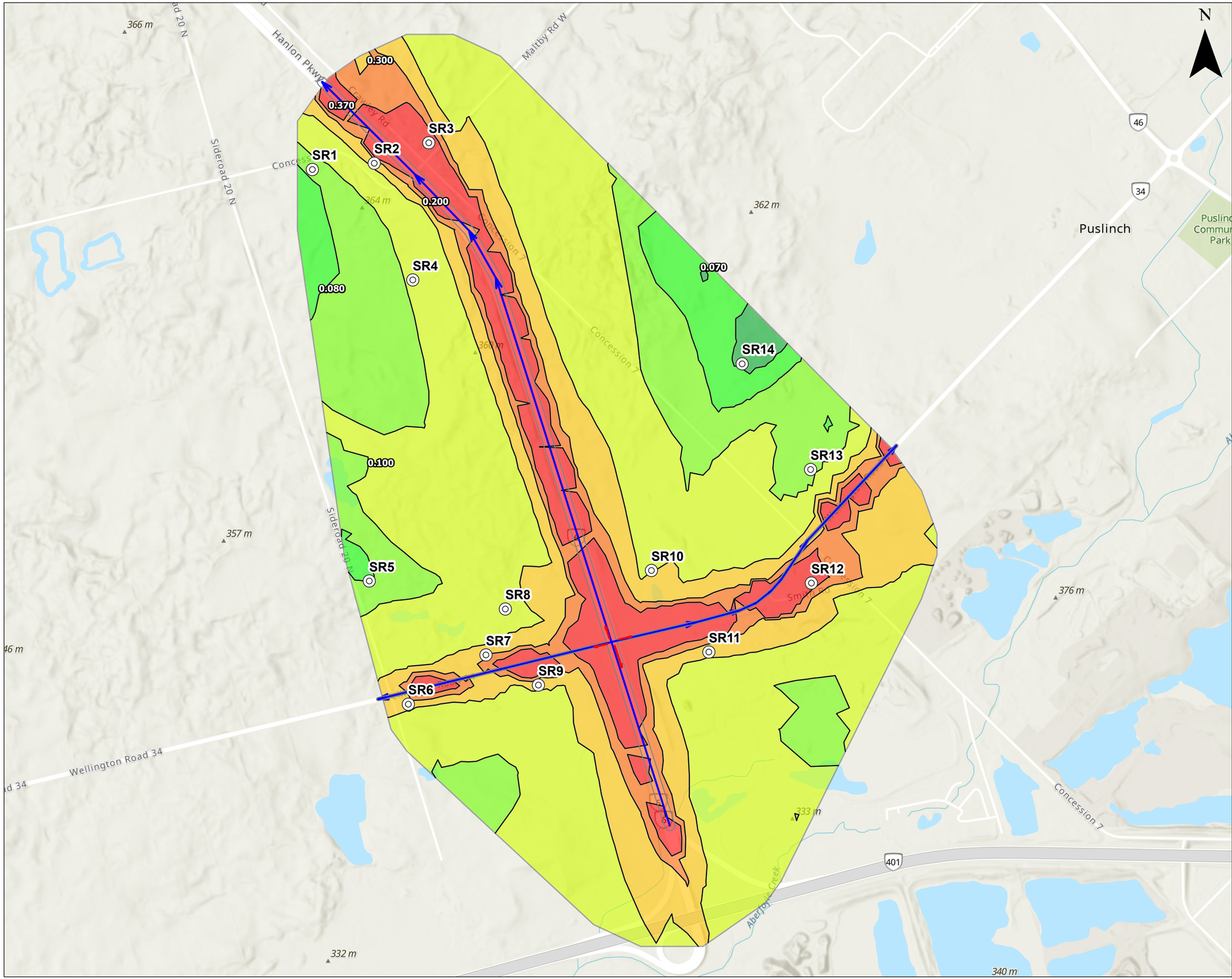
0 0.25 0.5 1
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Existing Conditions 2020 Benzene 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	**Figure H8**

AECOM



Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

1,3-Butadiene ppm/1-Hour

- 0.05
- 0.07
- 0.08
- 0.1
- 0.2
- 0.3
- 0.37

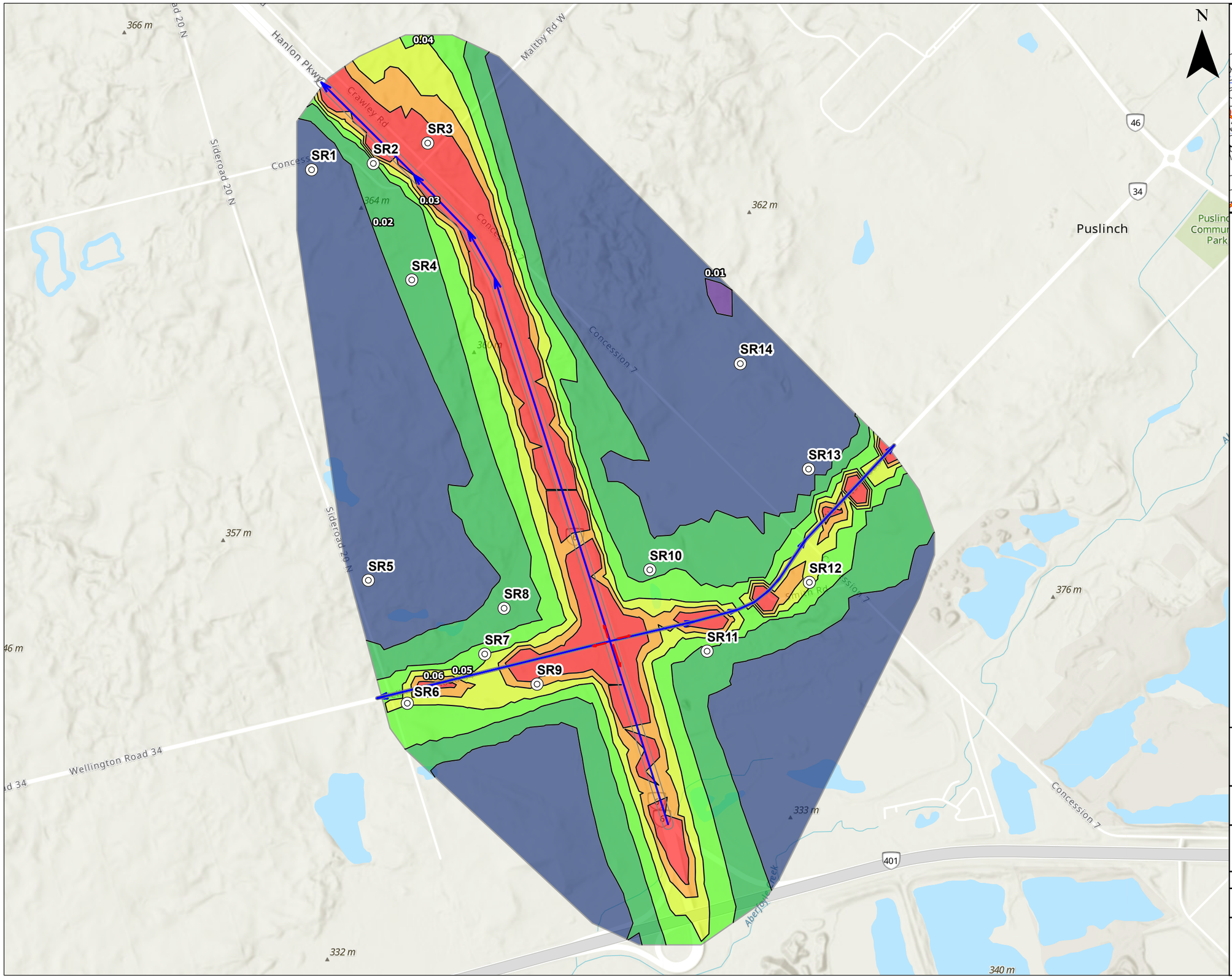
1,3-Butadiene concentrations are presented with a multiplier of 10,000 x

0 0.25 0.5 1
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Existing Conditions 2020 1,3-Butadiene 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H9**



Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

Sulfur Dioxide ppm/1-Hour

- 0
- 0.01
- 0.02
- 0.03
- 0.04
- 0.05
- 0.06

Sulphur Dioxide concentrations are presented with a multiplier of 100 x

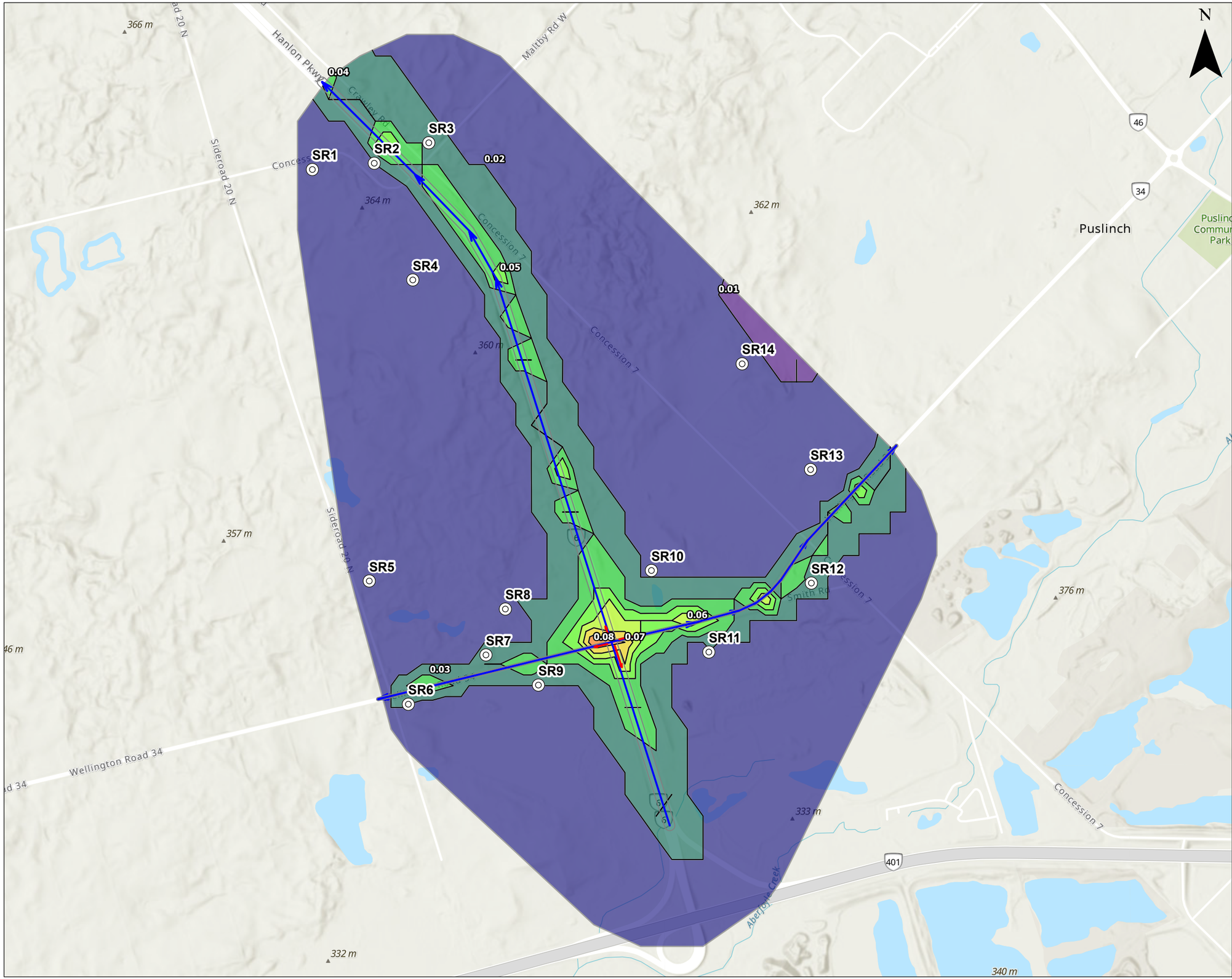
0 0.25 0.5 1

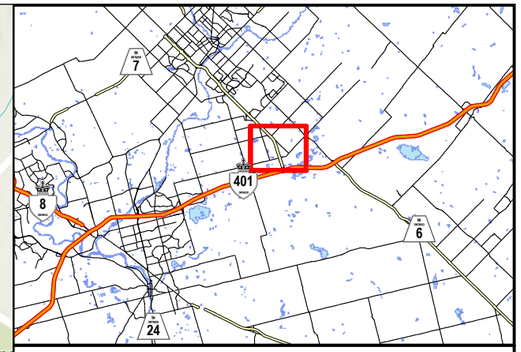
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Existing Conditions 2019 Sulfur Dioxide 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H10**





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

BaP ppm/1-Hour

- 0
- 0.01
- 0.02
- 0.03
- 0.04
- 0.05
- 0.06
- 0.07
- 0.08

Benzo(a)pyrene concentrations are presented with a multiplier of 10^6 x

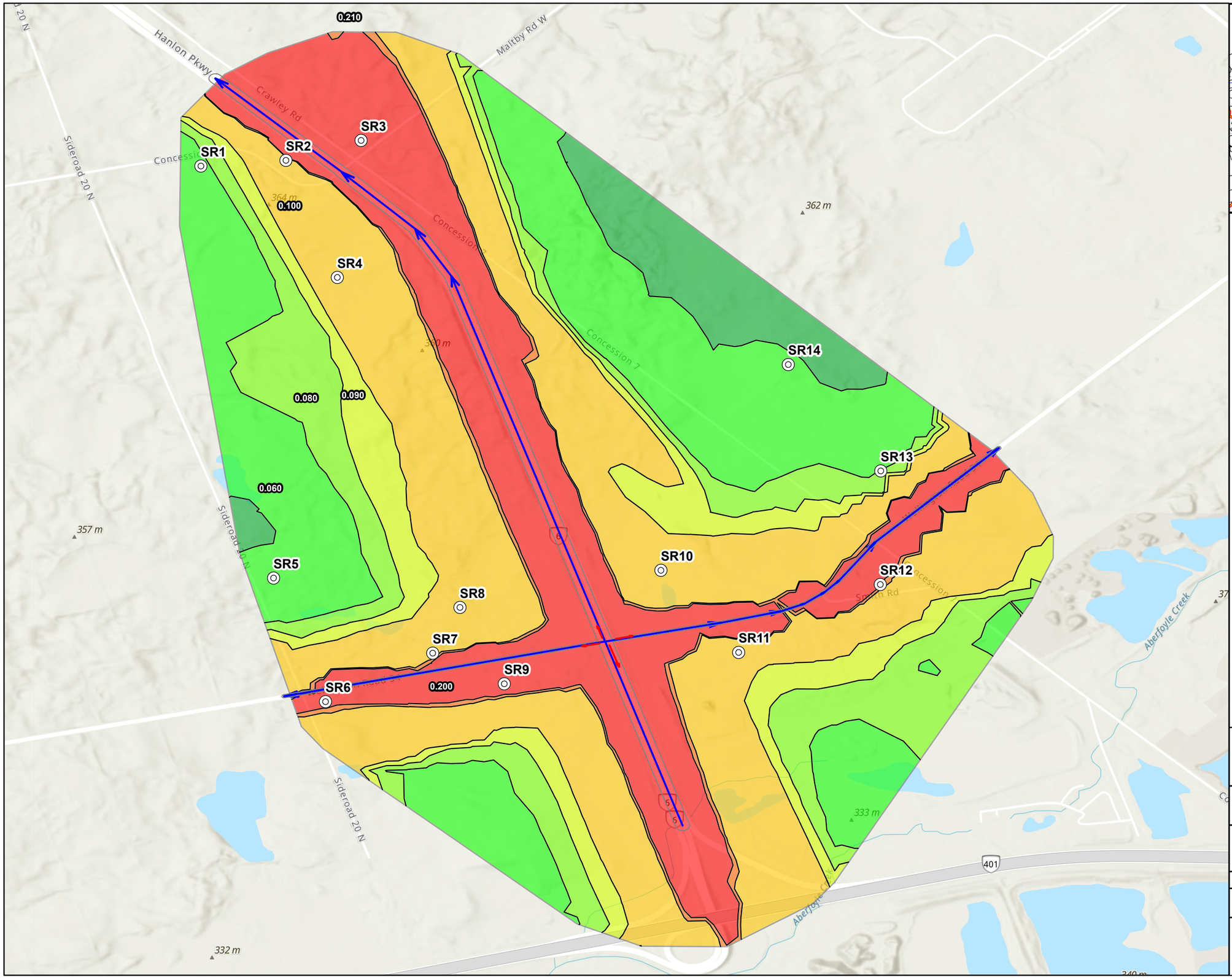
0 0.25 0.5 1
Kilometers

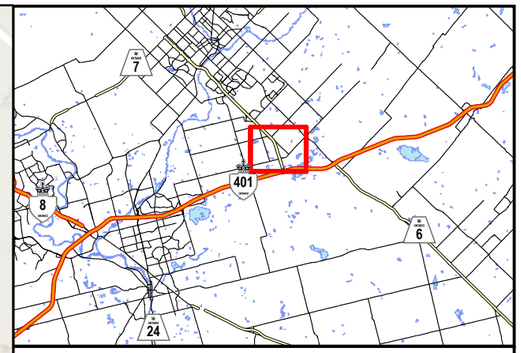
Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Existing Conditions 2020 BaP 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	**Figure H11**

AECOM





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contour

CO ppm/1-Hour

- 0.05
- 0.06
- 0.08
- 0.09
- 0.1
- 0.2
- 0.21

Carbon Monoxide concentrations are presented with a multiplier of 1x

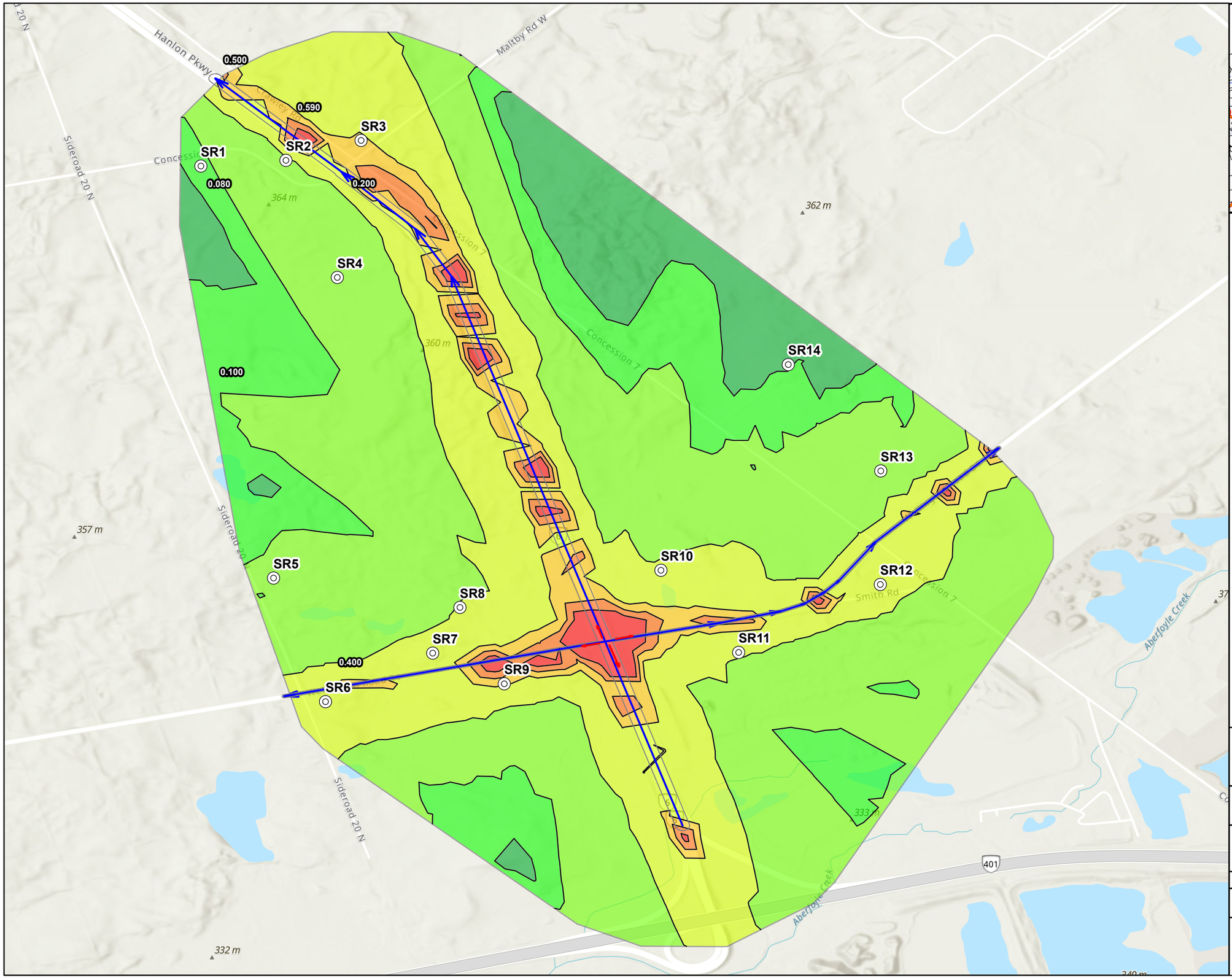
0 0.26 0.52 1.04

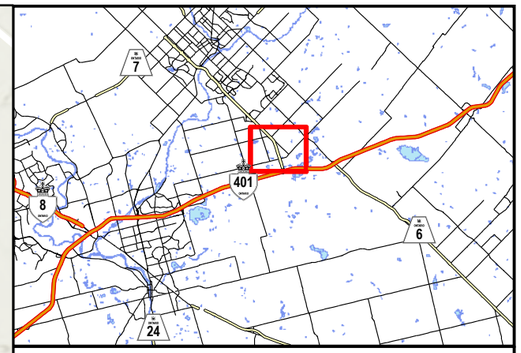
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future No Build 2019 CO 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H12**





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contour

NOx ppm/-Hour

- 0.06
- 0.08
- 0.1
- 0.2
- 0.4
- 0.5
- 0.59

NOx concentrations are presented with a multiplier of 10x

0 0.26 0.52 1.04

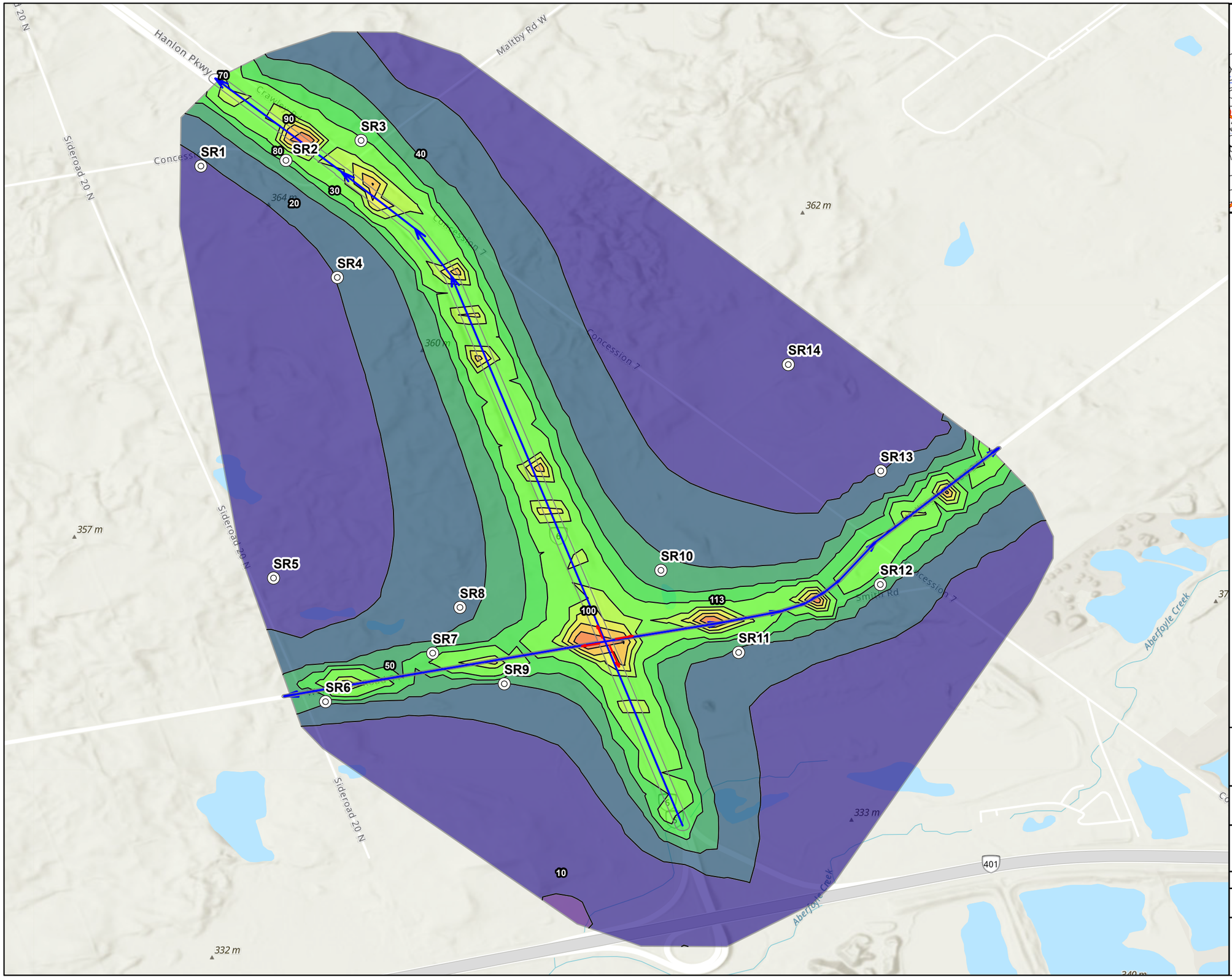
Kilometers

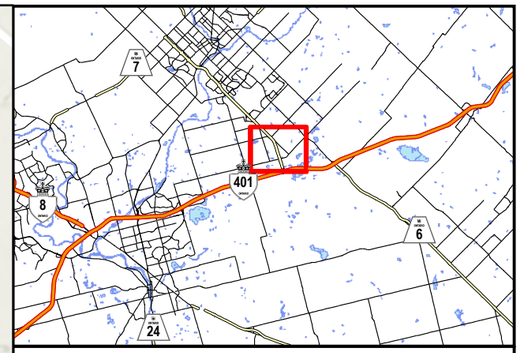
Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future No Build 2019 NOx 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	**Figure H13**

AECOM





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contour

PM10 µg/m3/24-Hour

- 9.2861
- 10
- 20
- 30
- 40
- 50
- 70
- 80
- 90
- 100
- 113.2915

PM10 concentrations are presented with a multiplier of 10x

0 0.26 0.52 1.04

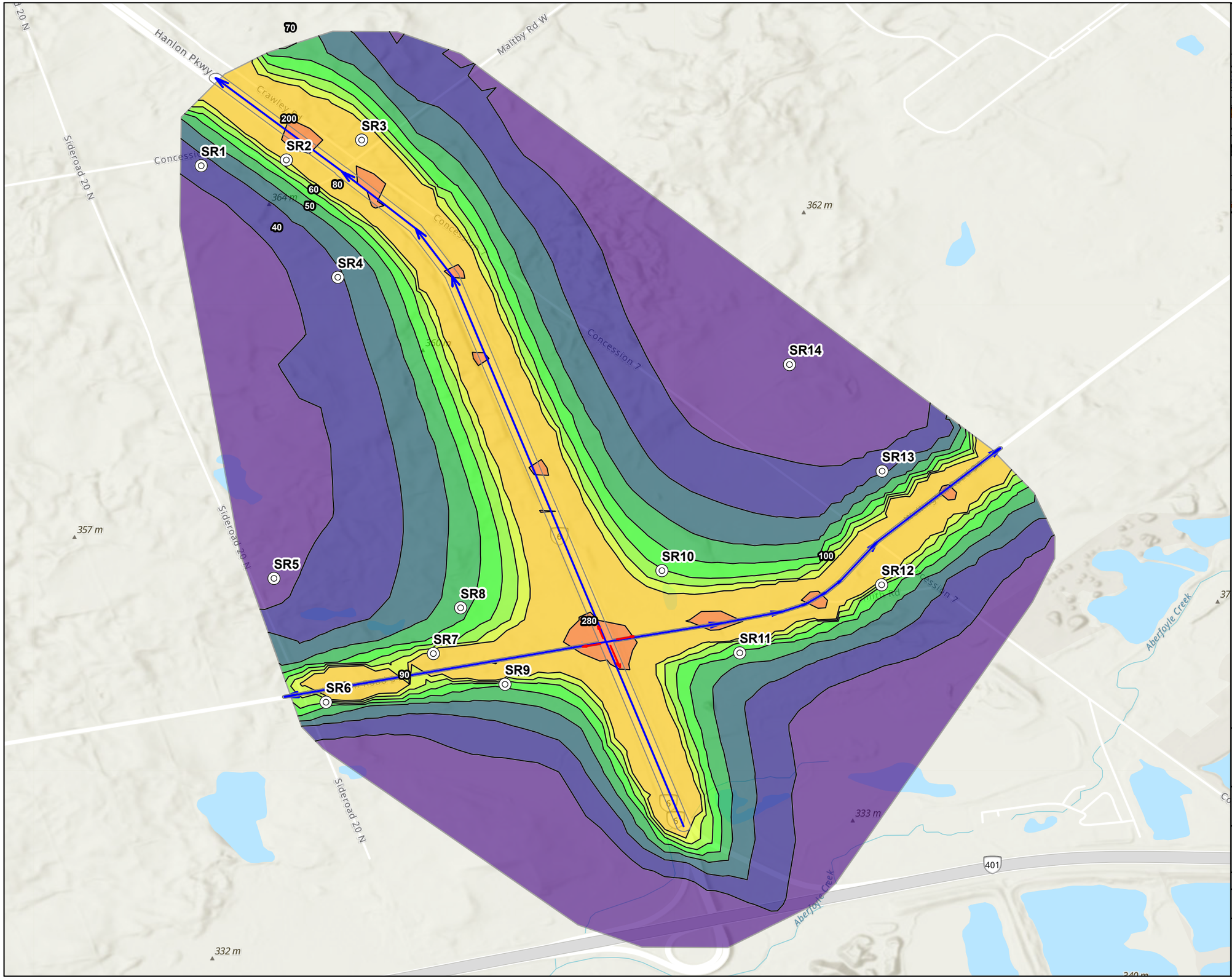
Kilometers

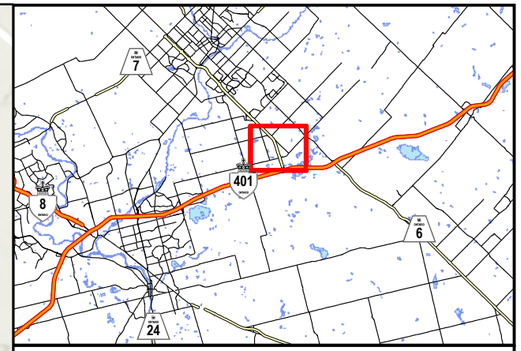
Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future No Build 2020 PM10 24-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	**Figure H14**

AECOM





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contour

PM25 µg/m3/24-Hour

- 22.4366
- 40
- 50
- 60
- 70
- 80
- 90
- 100
- 200
- 280.1256

PM2.5 concentrations are presented with a multiplier of 100x

0 0.26 0.52 1.04

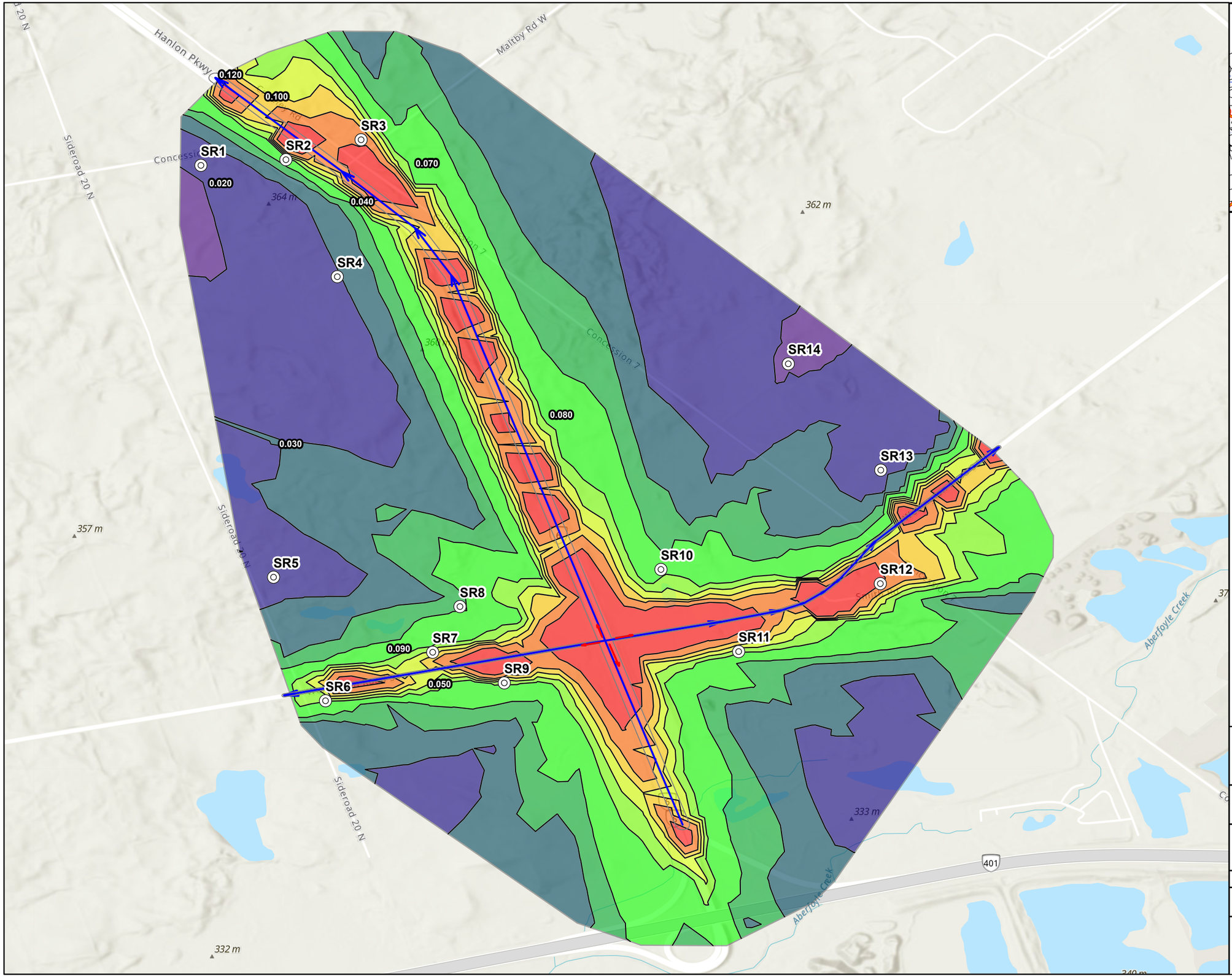
Kilometers

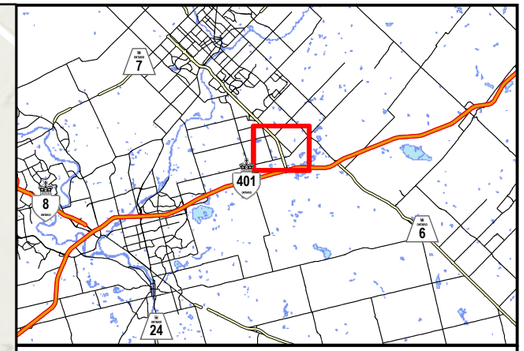
Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future No Build 2020 PM25 24-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	**Figure H15**

AECOM





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contour

Acetaldehyde ppm/1-Hour

- 0.01
- 0.02
- 0.03
- 0.04
- 0.05
- 0.07
- 0.08
- 0.09
- 0.1
- 0.12

Acetaldehyde concentrations are presented with a multiplier of 1000x

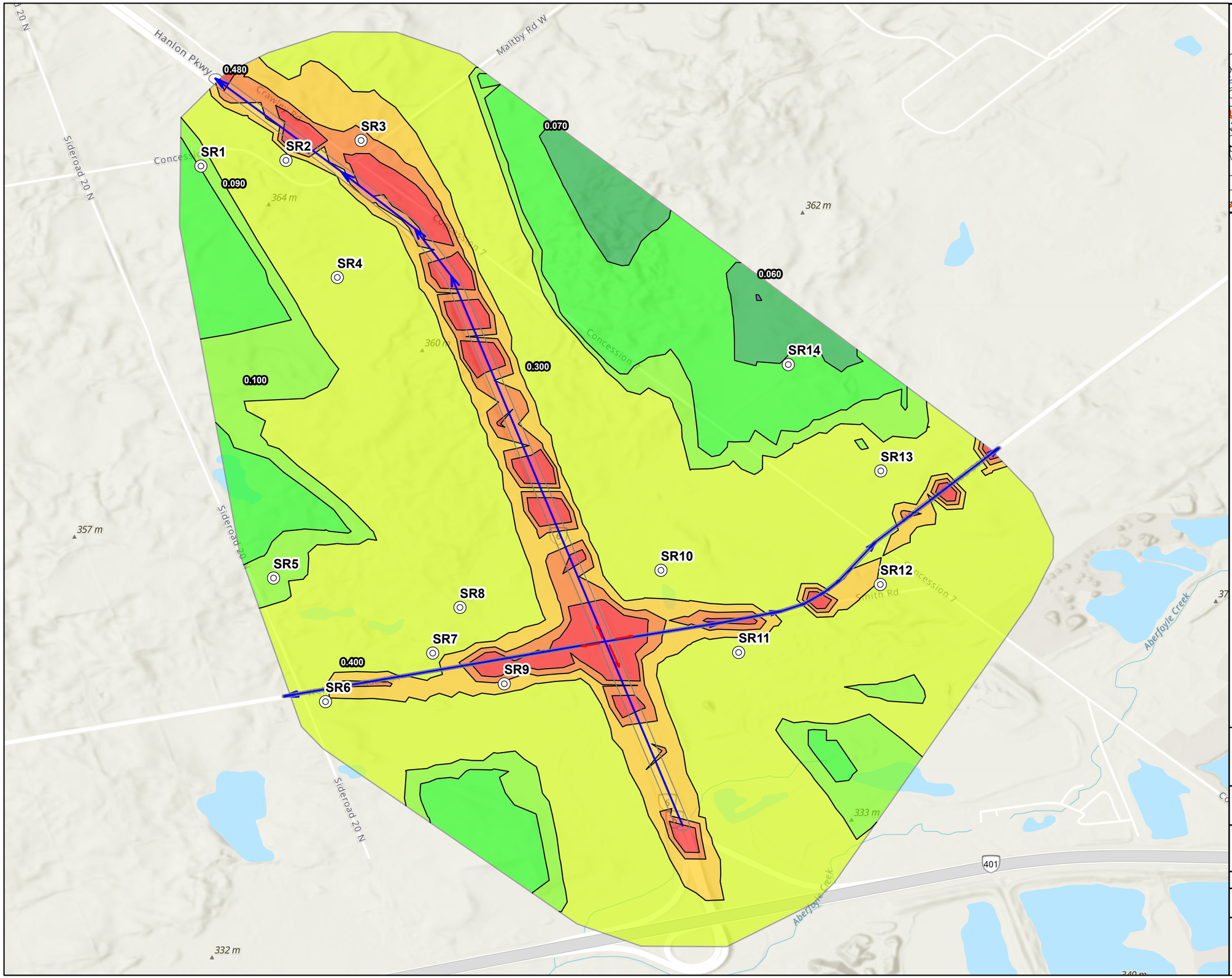
0 0.26 0.52 1.04

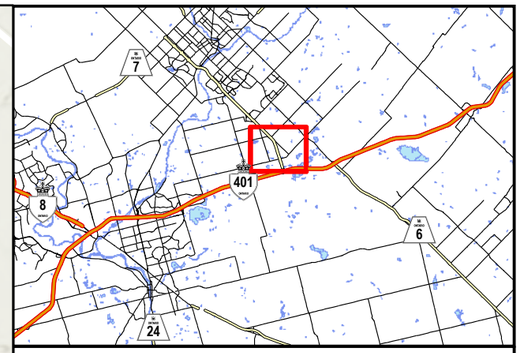
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future No Build 2020 Acetaldehyde 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H16**





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contour

Acrolein ppm/1-Hour

- 0.05
- 0.06
- 0.07
- 0.09
- 0.1
- 0.3
- 0.4
- 0.48

Acrolein concentrations are presented with a multiplier of 10,000x

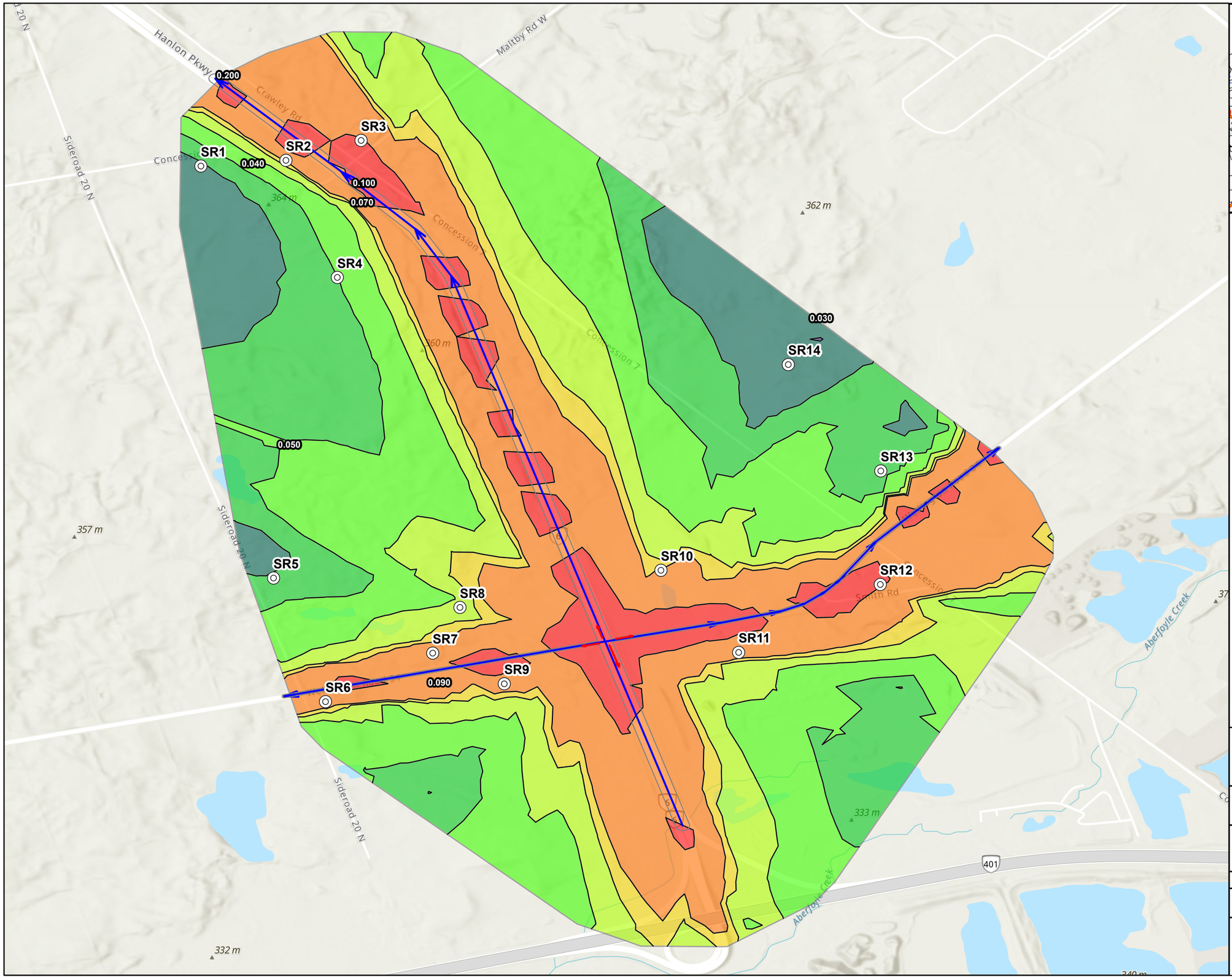
0 0.26 0.52 1.04

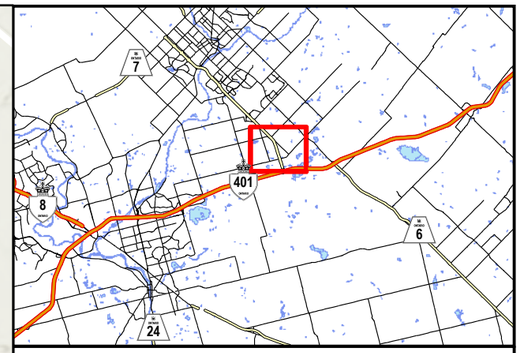
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future No Build 2019 Acrolein 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H17**





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contour

Formaldehyde ppm/1-Hour

- 0.02
- 0.03
- 0.04
- 0.05
- 0.07
- 0.09
- 0.1
- 0.2

Formaldehyde concentrations are presented with a multiplier of 1000x

0 0.26 0.52 1.04

Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future No Build 2020 Formaldehyde 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H18**

Map location: D:\AECOM Projects\60541071 - HWY400 4D\Design\01 - Reports\Air\Quality\MOD\60541071ART_EC Modelling-2021\001.mxd
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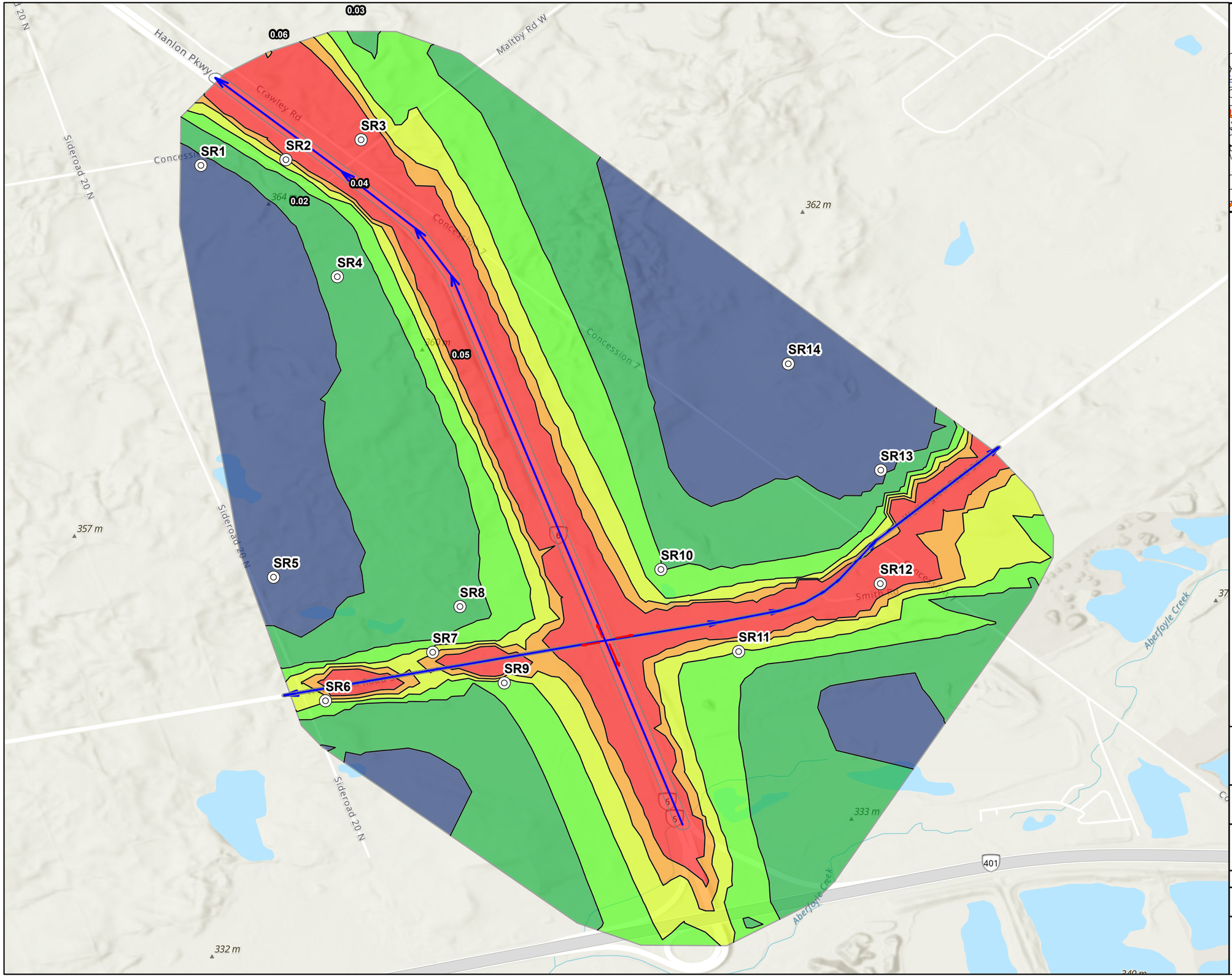
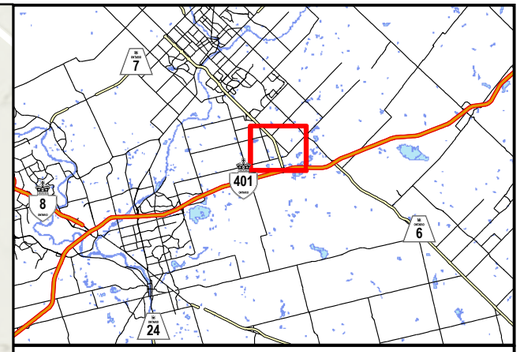




Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contour

Benzene ppm/1-Hour

- 0.01
- 0.02
- 0.03
- 0.04
- 0.05
- 0.06

Benzene concentrations are presented with a multiplier of 1000x

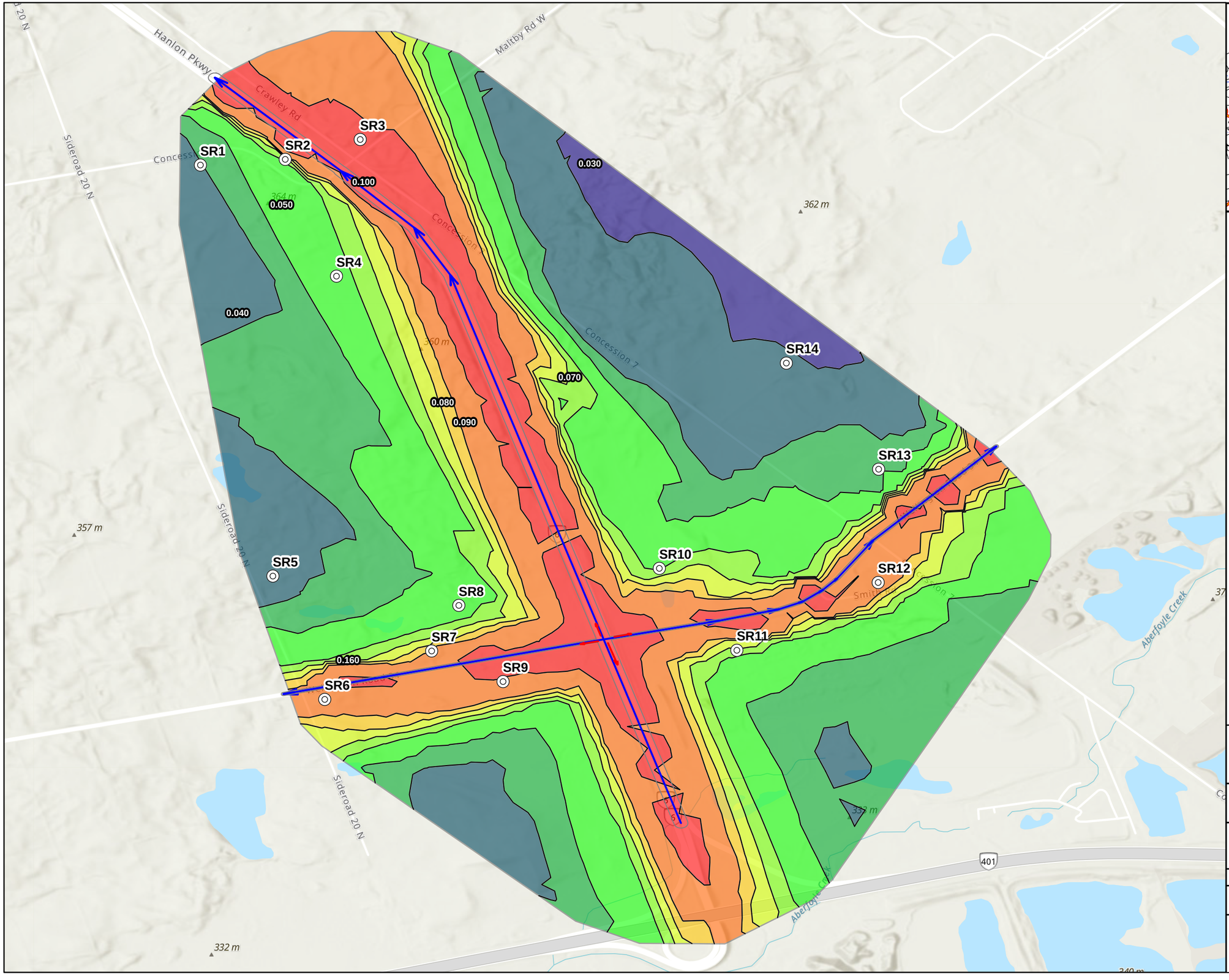
0 0.26 0.52 1.04

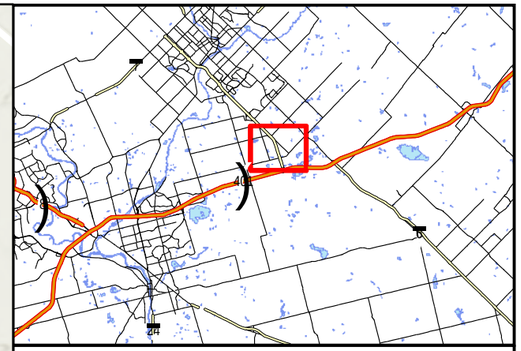
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future No Build 2020 Benzene 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H19**





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

Sulfur Dioxide ppm/1-Hour

- 0.02
- 0.03
- 0.04
- 0.05
- 0.07
- 0.08
- 0.09
- 0.1
- 0.16

Sulfur Dioxide concentrations are presented with a multiplier of 1000 x

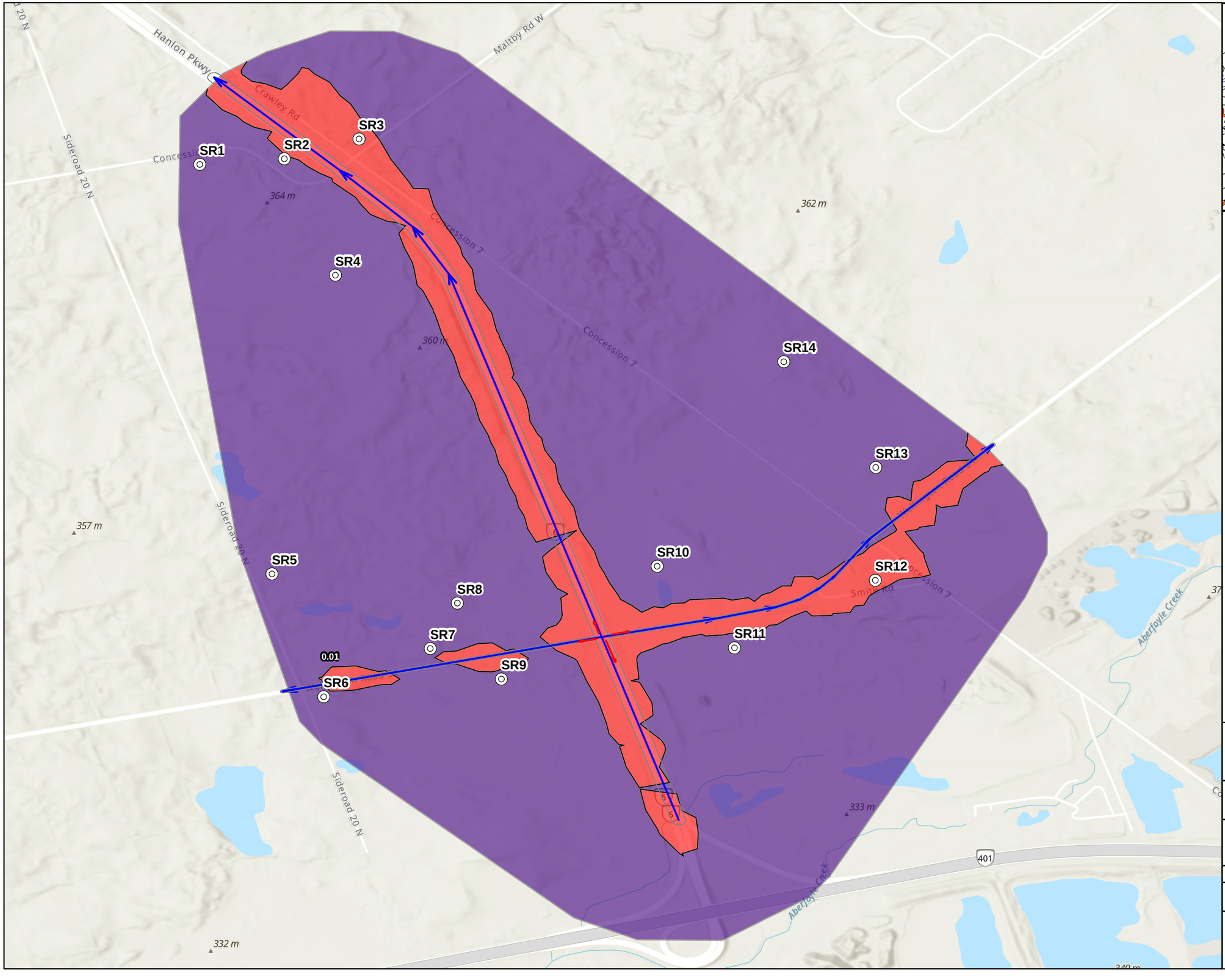
0 0.26 0.52 1.03

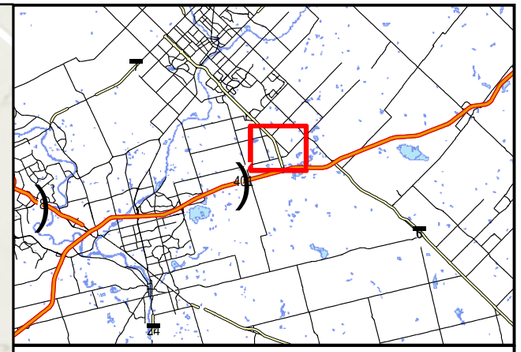
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future No Build 2020 Sulfur Dioxide 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		Figure H20





Legend

- Sensitive Receptors
- Isoconcentration Contour
- Free Flow Links
- Free Flow Link Mixing Zone
- Queue Links

Isoconcentration Contours

BaP ppm/1-Hour

- 0
- 0.01

Benzo(a)pyrene concentrations are presented with a multiplier of 10^6 x

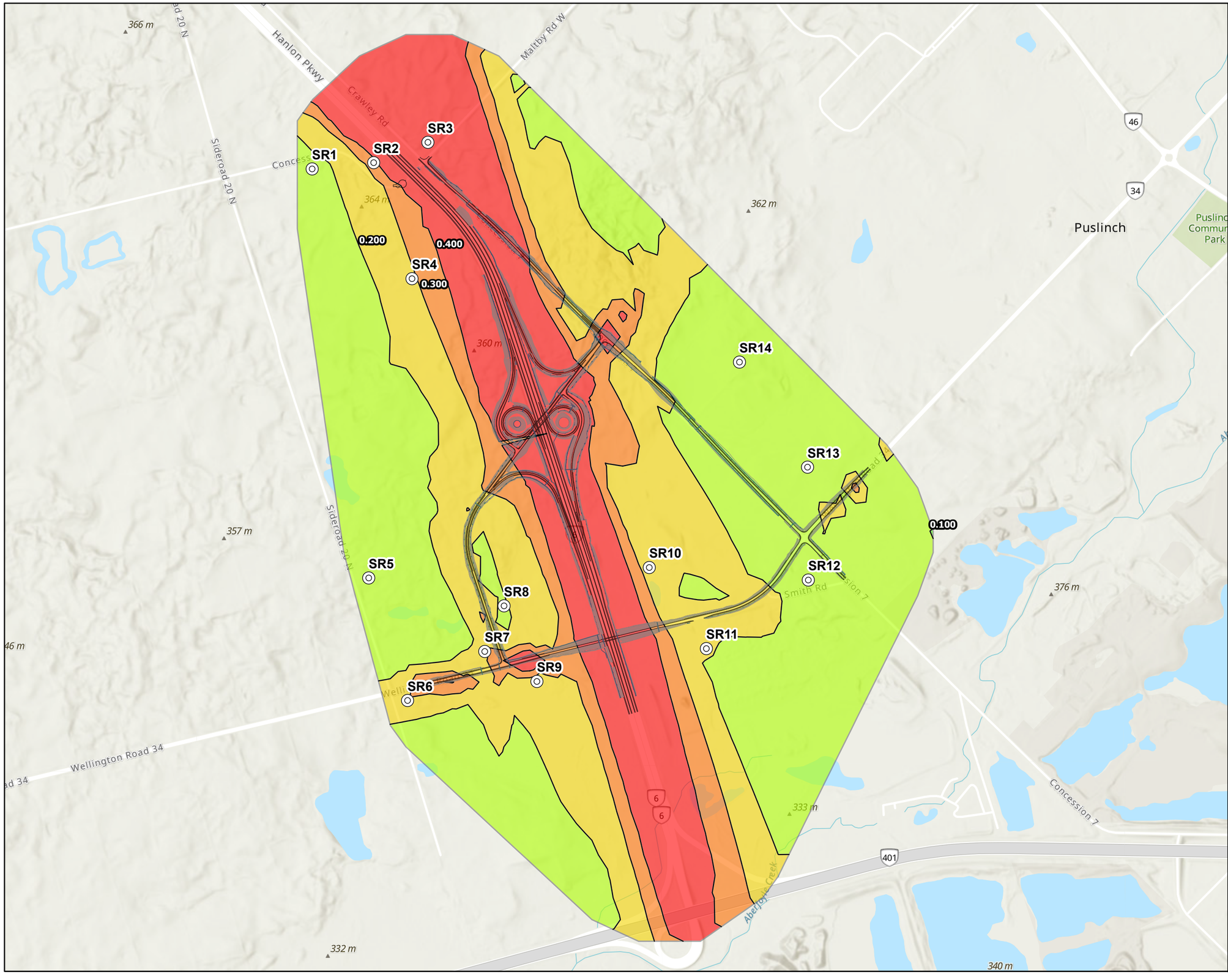
0 0.26 0.52 1.03

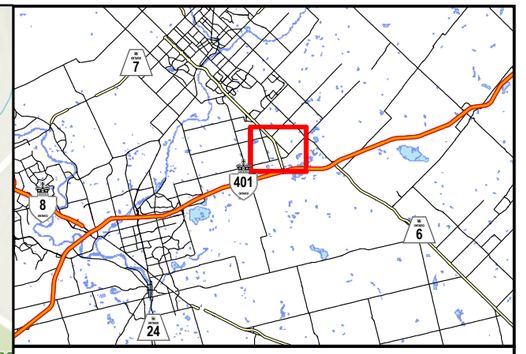
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future No Build 2020 BaP 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		Figure H21





Legend

- Sensitive Receptors

Midblock Design Plan

- Alignment
- Culvert / Drainage
- Grading Limits
- Isoconcentration Contour

Isoconcentration Contour

CO ppm/1-Hour

- 0.09
- 0.1
- 0.2
- 0.3
- 0.4

CO concentrations are presented with a multiplier of 1 x

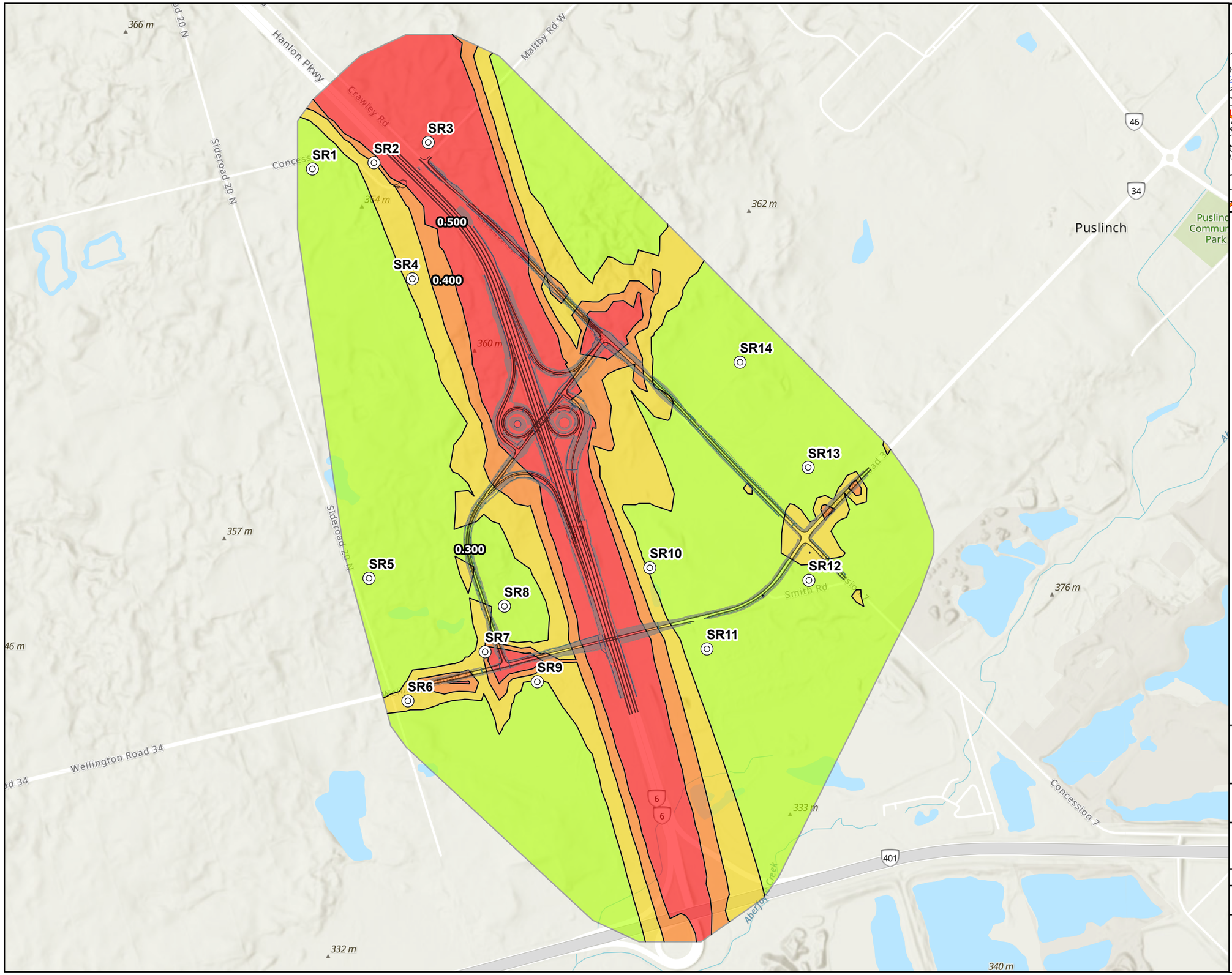
0 0.25 0.5 1
Kilometers

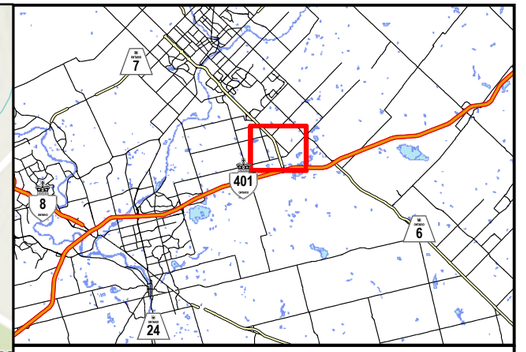
Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future Build 2019 CO 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H22**

Plot location: I:\AECOM Projects\60541071 - HWY401-ElmDesign\01 - Reports\AA\Quality\MXD-60541071-AR-EC-Modeling-20210503.mxd
Date Saved: 5/20/2021 12:00:53 PM User Name: cammcdwell





Legend

- Sensitive Receptors

Midblock Design Plan

- Alignment
- Culvert / Drainage
- Grading Limits
- Isoconcentration Contour

Isoconcentration Contour

NOx ppm/-Hour

- 0.1
- 0.3
- 0.4
- 0.5

NOx concentrations are presented with a multiplier of 10 x

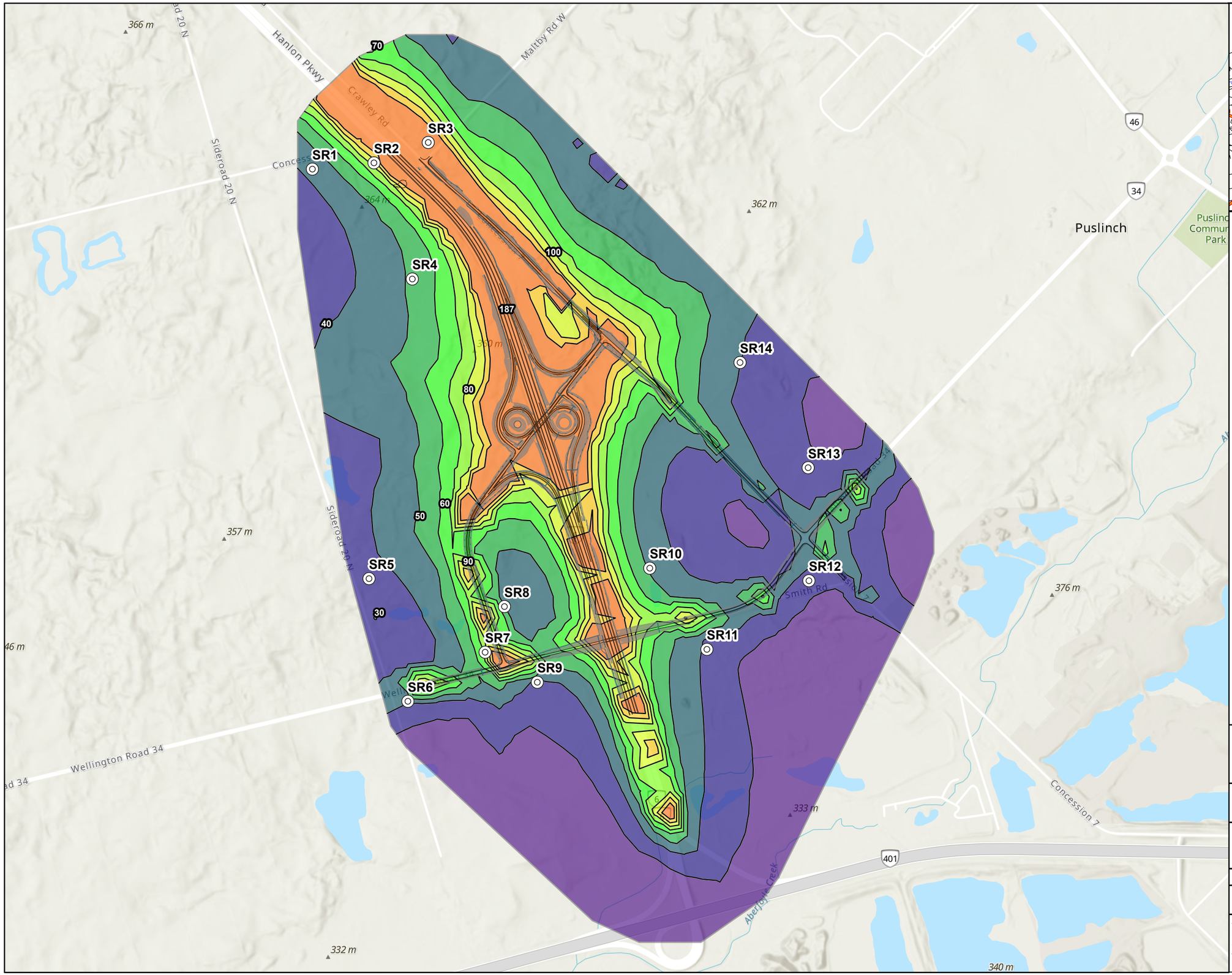
0 0.25 0.5 1
Kilometers

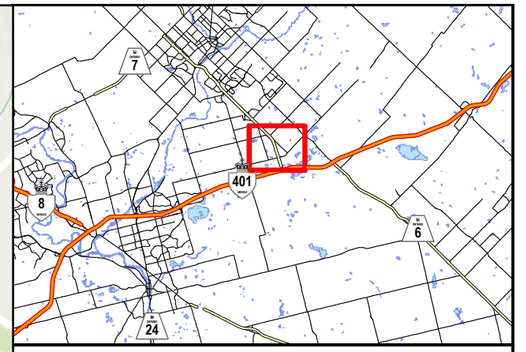
Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future Build 2019 NOx 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	**Figure H23**

AECOM





Legend

- Sensitive Receptors

Midblock Design Plan

- Alignment
- Culvert / Drainage
- Grading Limits
- Isoconcentration Contour

Isoconcentration Contour

PM10 µg/m3/24-Hour

- 16.1316
- 30
- 40
- 50
- 60
- 70
- 80
- 90
- 100
- 187.1826

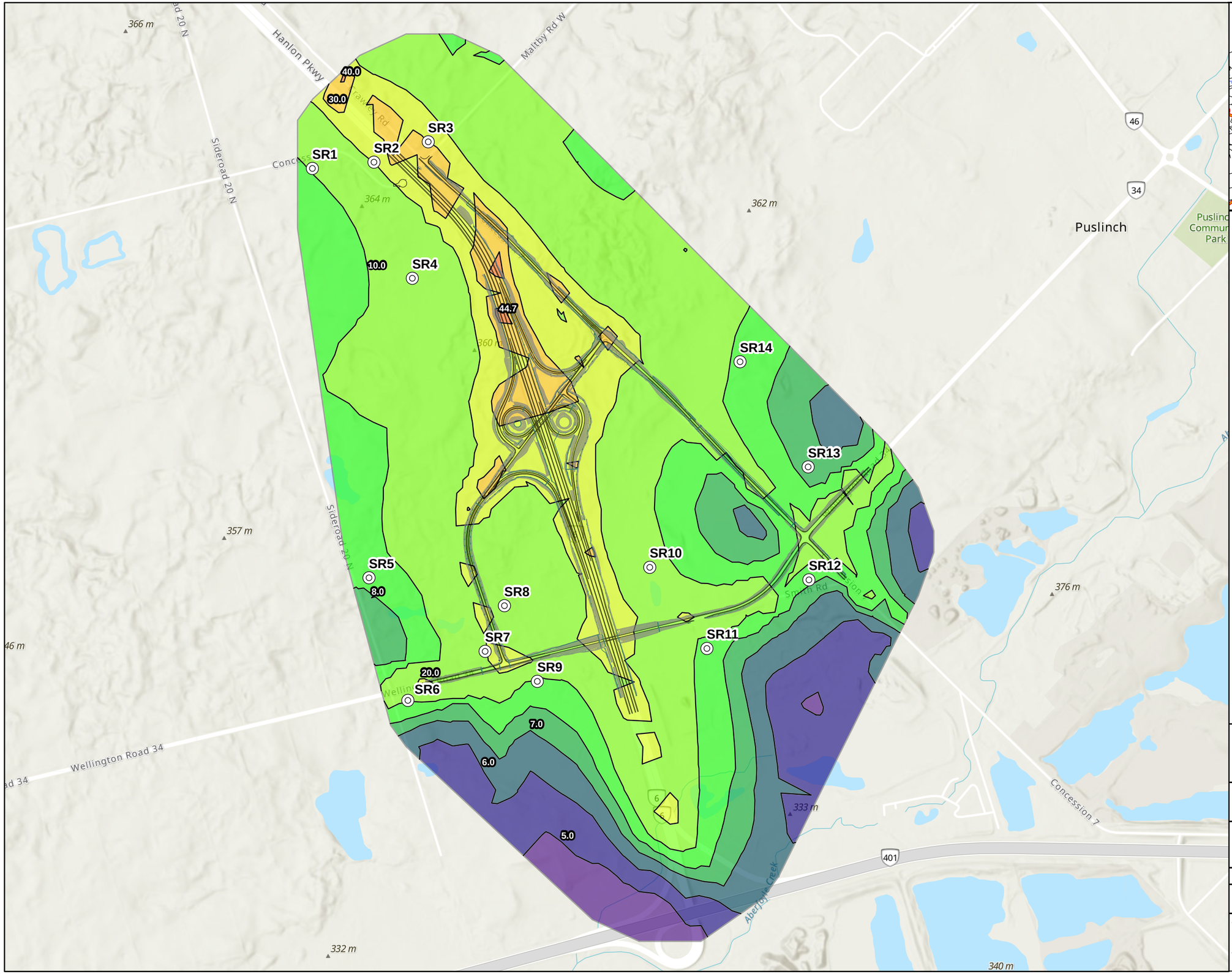
PM10 concentrations are presented with a multiplier of 10 x

0 0.25 0.5 1
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future Build 2020 PM10 24-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		**Figure H24**



Legend

- Sensitive Receptors

Midblock Design Plan

- Alignment
- Culvert / Drainage
- Grading Limits
- Isoconcentration Contour

Isoconcentration Contour

PM25 µg/m3/24-Hour

- 3.8634
- 5
- 6
- 7
- 8
- 10
- 20
- 30
- 40
- 44.742

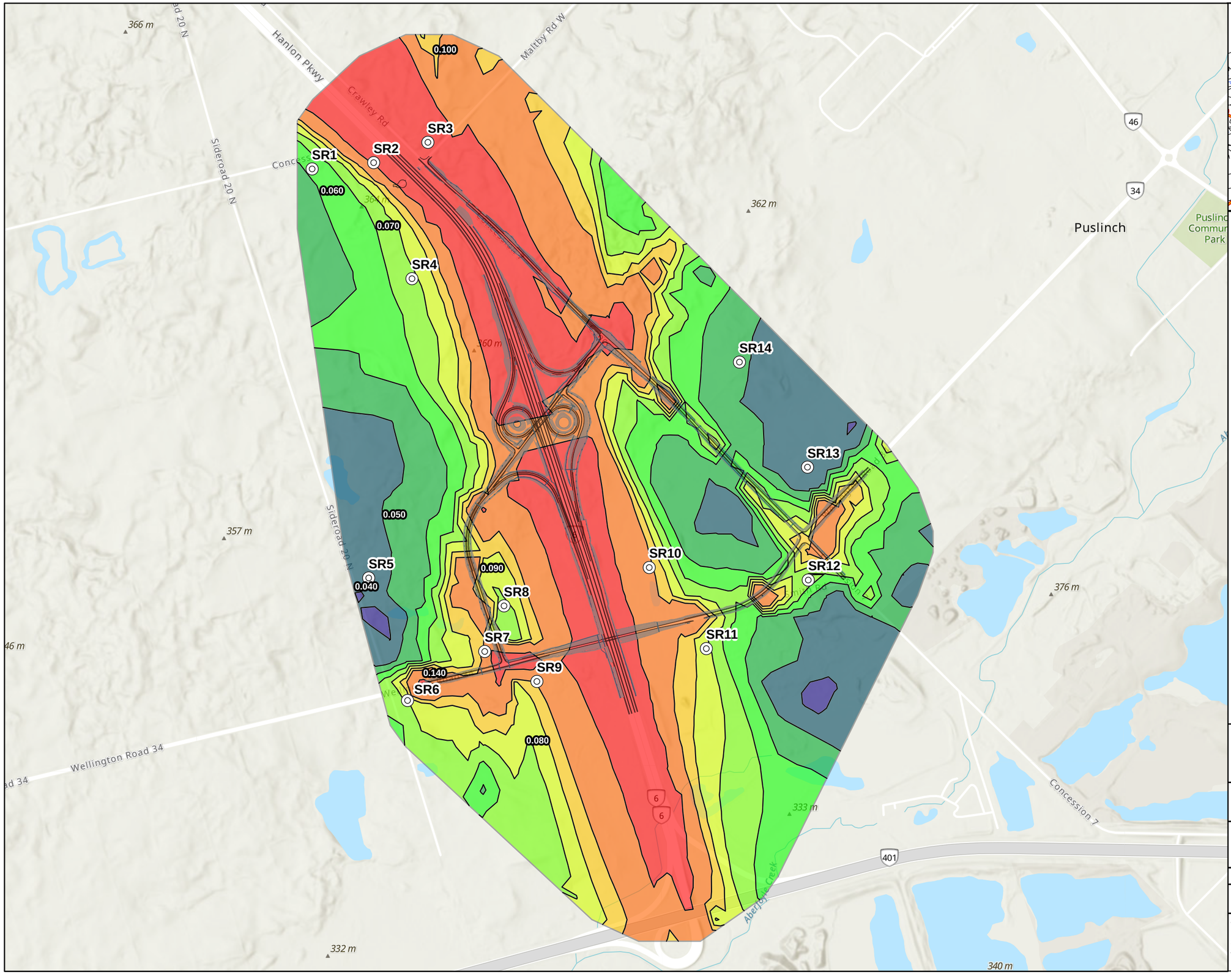
PM25 concentrations are presented with a multiplier of 10 x

0 0.25 0.5 1
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future Build 2020 PM25 24-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		Figure H**25**



Legend

- Sensitive Receptors

Midblock Design Plan

- Alignment
- Culvert / Drainage
- Grading Limits
- Isoconcentration Contour

Isoconcentration Contour

Acetaldehyde ppm/1-Hour

- 0.03
- 0.04
- 0.05
- 0.06
- 0.07
- 0.08
- 0.09
- 0.1
- 0.14

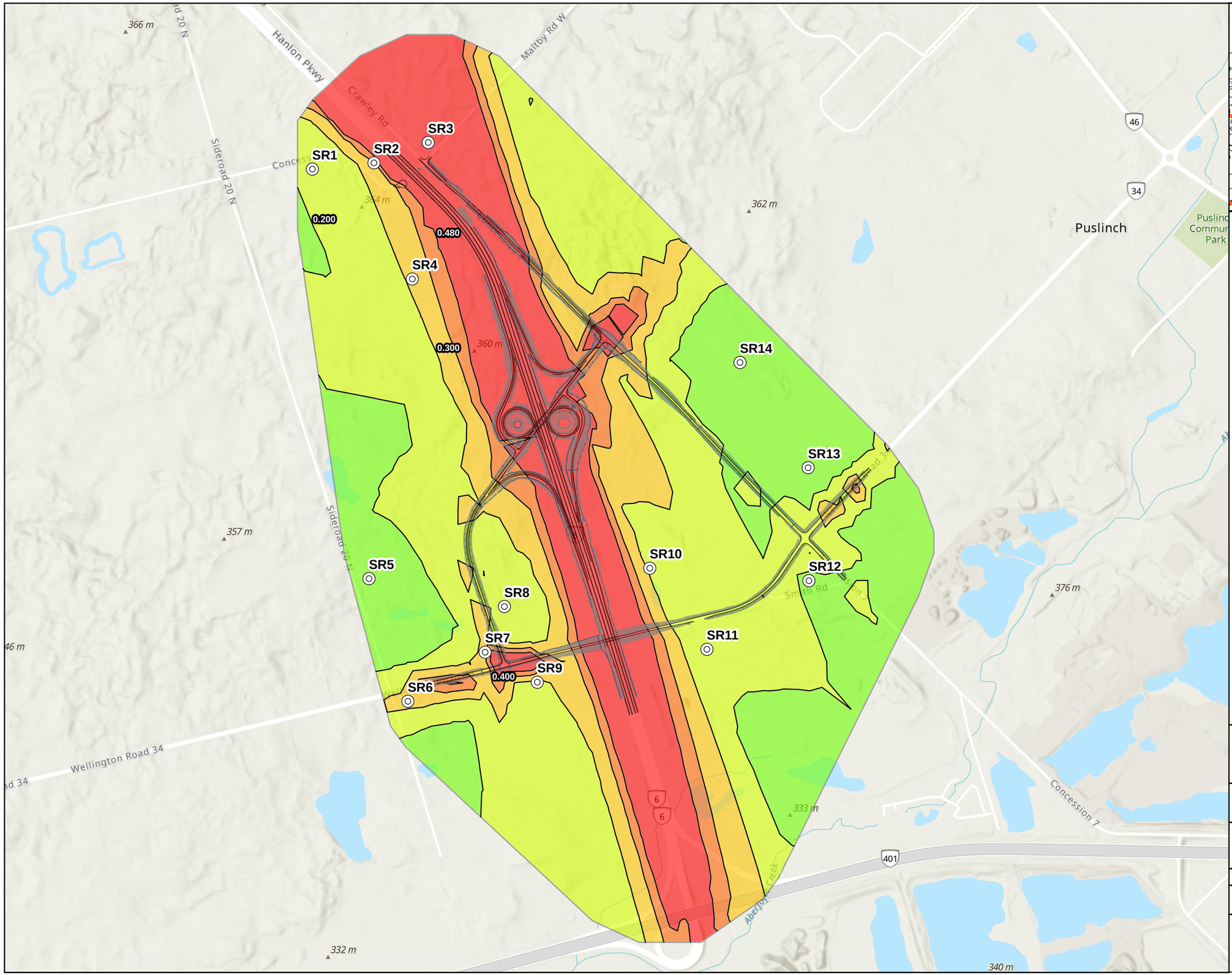
Acetaldehyde concentrations are presented with a multiplier of 1,000 x

0 0.25 0.5 1
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future Build 2020 Acetaldehyde 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		Figure H**26**



Legend

- Sensitive Receptors

Midblock Design Plan

- Alignment
- Culvert / Drainage
- Grading Limits
- Isoconcentration Contour

Isoconcentration Contour

Acrolein ppm/1-Hour

- 0.1
- 0.2
- 0.3
- 0.4
- 0.48

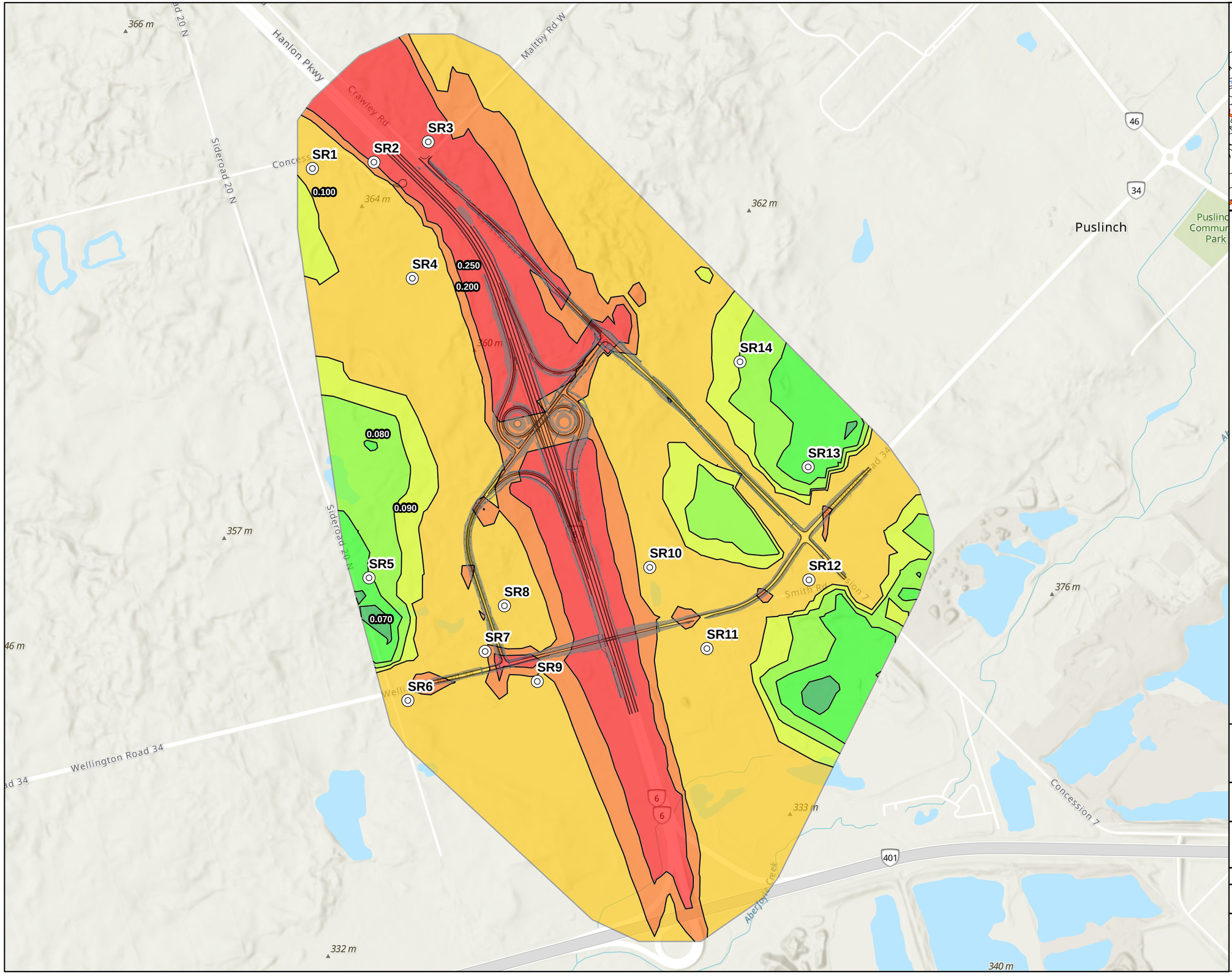
Acrolein concentrations are presented with a multiplier of 100,000 x

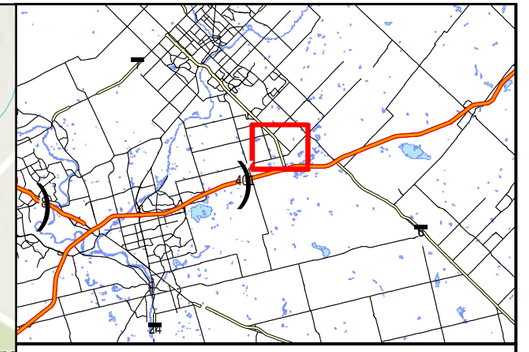
0 0.25 0.5 1
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future Build 2019 Acrolein 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		Figure H**27**





Legend

- Sensitive Receptors

Midblock Design Plan

- Alignment
- Culvert / Drainage
- Grading Limits
- Isoconcentration Contour

Isoconcentration Contourv

Formaldehyde ppm/1-Hour

- 0.06
- 0.07
- 0.08
- 0.09
- 0.1
- 0.2
- 0.25

Formaldehyde concentrations are presented with a multiplier of 1,000 x

0 0.25 0.5 1

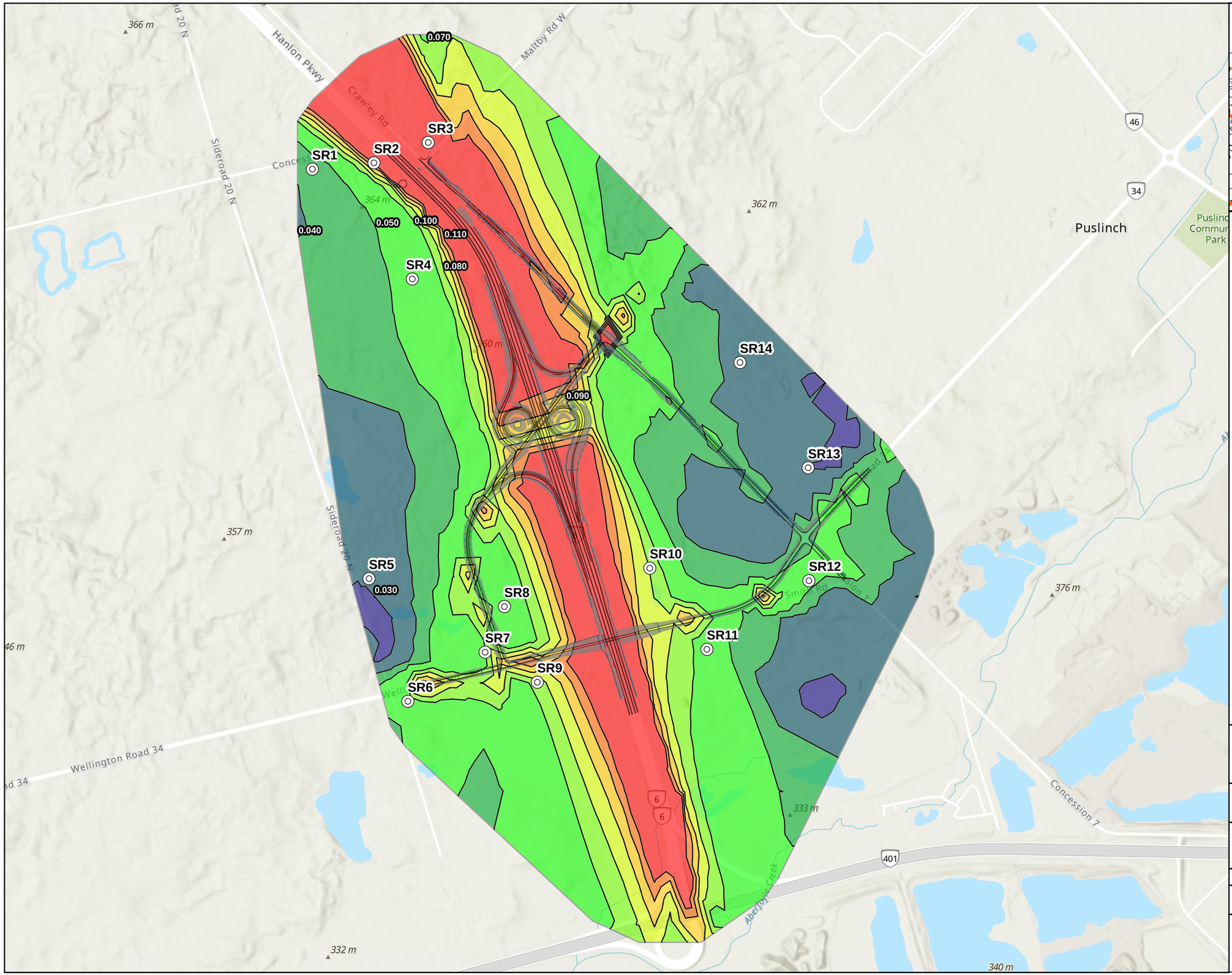
Kilometers

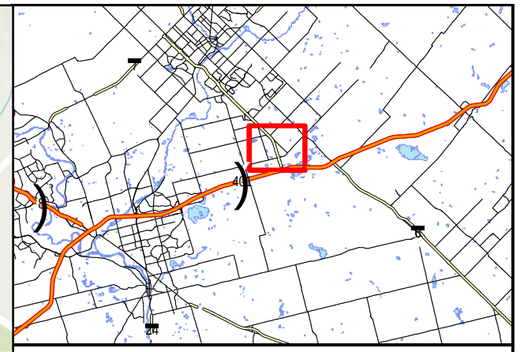
Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future Build 2020 Formaldehyde 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	Figure H**28**

AECOM





Legend

- Sensitive Receptors

Midblock Design Plan

- Alignment
- Culvert / Drainage
- Grading Limits
- Isoconcentration Contour

Isoconcentration Contour

Benzene ppm/1-Hour

- 0.02
- 0.03
- 0.04
- 0.05
- 0.07
- 0.08
- 0.09
- 0.1
- 0.11

Benzene concentrations are presented with a multiplier of 1,000 x

0 0.25 0.5 1

Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future Build 2020 Benzene 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	

AECOM

Figure H29

Map location: G:\AECOM_Projects\60541071 - HWY 401 EIADesign\01_Reports\MxD\ae\MXD-60541071-MR_EIS-Modelling\20210526.mxd
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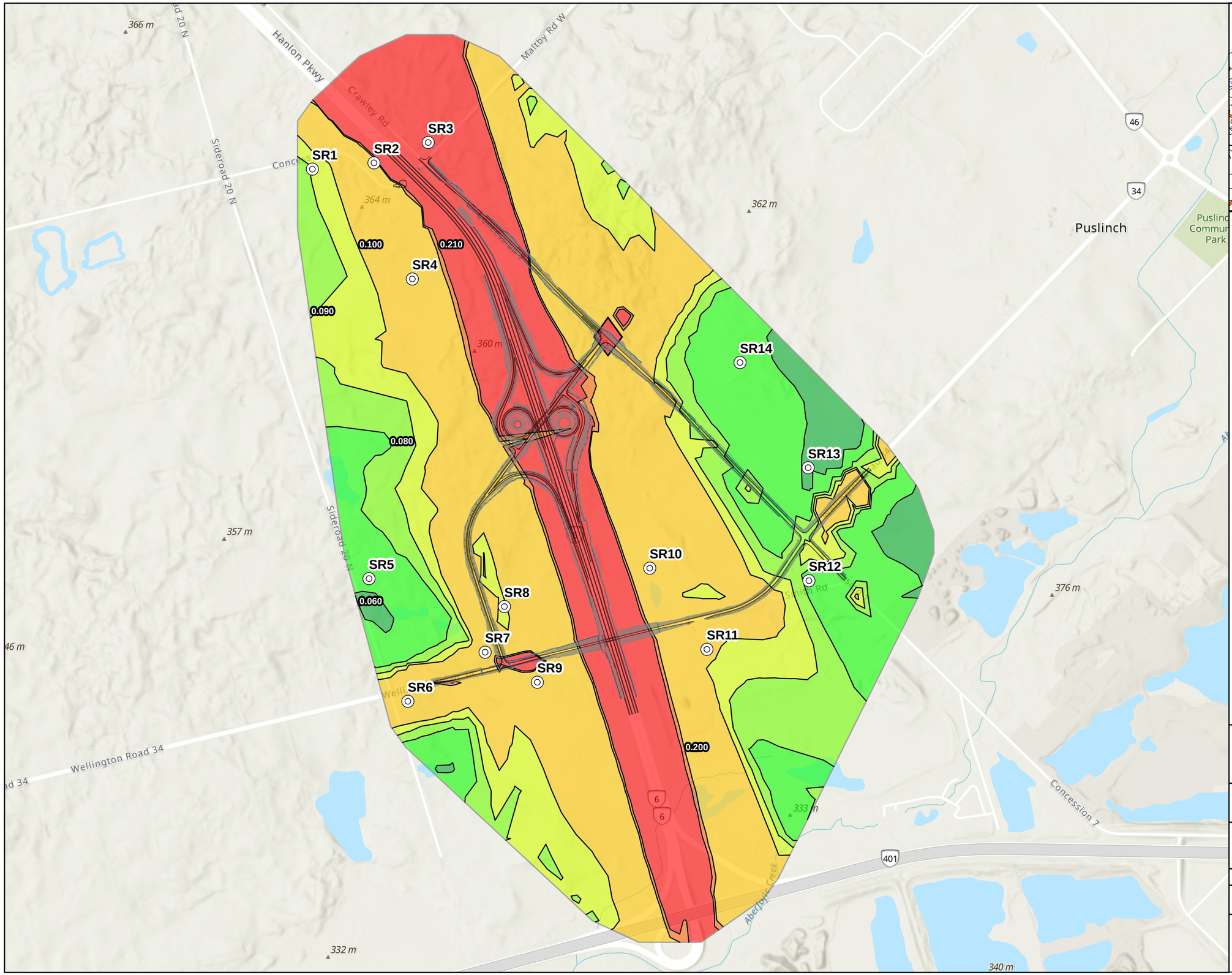


Legend

- Sensitive Receptors

Midblock Design Plan

- Alignment
- Culvert / Drainage
- Grading Limits
- Isoconcentration Contour

Isoconcentration Contour

Sulfur Dioxide ppm/1-Hour

- 0.05
- 0.06
- 0.08
- 0.09
- 0.1
- 0.2
- 0.21

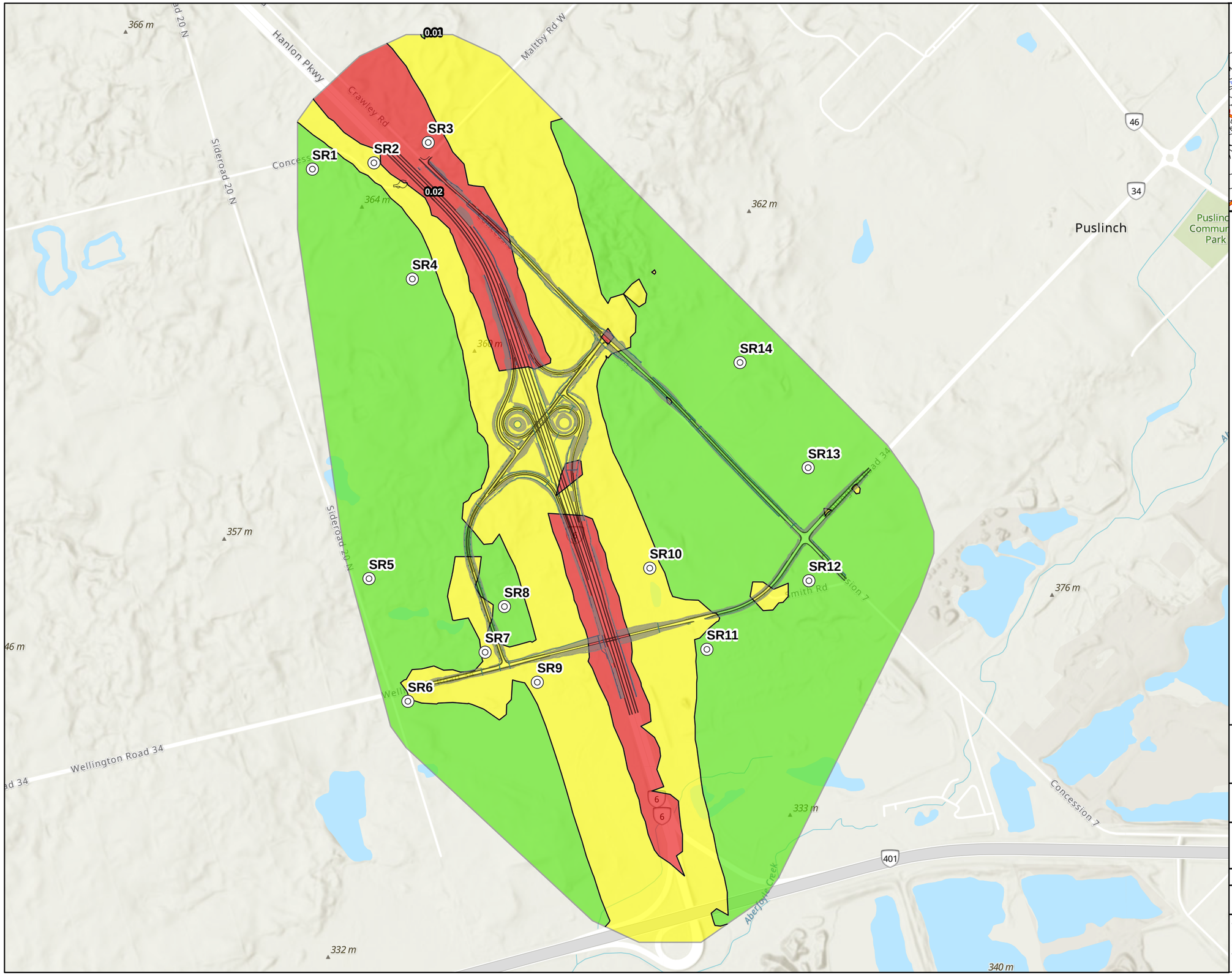
Sulfur Dioxide concentrations are presented with a multiplier of 1000 x

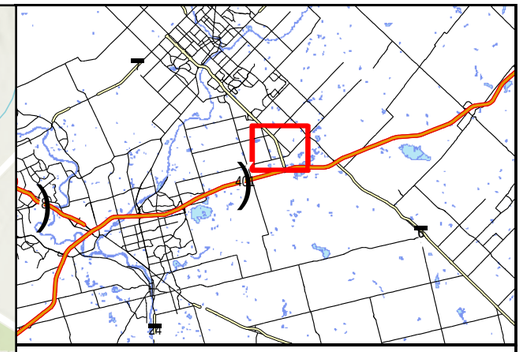
0 0.25 0.5 1
Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future Build 2020 Sulfur Dioxide 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		Figure H30





Legend

- Sensitive Receptors

Midblock Design Plan

- Alignment
- Culvert / Drainage
- Grading Limits
- Isoconcentration Contour

Isoconcentration Contour

BaP ppm/1-Hour

- 0
- 0.01
- 0.02

BaP concentrations are presented with a multiplier of 10^6 x

0 0.25 0.5 1

Kilometers

Hanlon Expressway / Wellington Road 34 Mid-Block Interchange

Future Build 2020 BaP 1-Hour Isoconcentration Contours

May, 2021	1:14,000 * when printed 11"x17"	Datum: NAD 1983 UTM Zone 17N Source: MNRF, MMAH, AECOM, MTO
P#: 60541071	V#: 001	
AECOM		Figure H31