

Appendix A

## **Air Quality and Greenhouse Gas Emissions Assessment**

## MEMORANDUM

To: Tad Stearn, Kimley-Horn  
From: Ace Malisos, Air Quality and Noise Manager, Kimley-Horn  
Noemi Wyss AICP, Environmental Analyst, Kimley-Horn  
Date: July 12, 2021  
Subject: 1660 Old Bayshore Highway Project – Air Quality and Greenhouse Gas Emissions Analysis

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### 1.0 PURPOSE

The purpose of this memorandum is to identify the air quality and greenhouse gas (GHG) emissions associated with construction and operations of the proposed 1660 Old Bayshore Highway Project (project), located in the City of San José, California. This analysis has been undertaken to analyze whether the proposed project would result in any new or substantially more severe significant environmental impacts as compared to the conclusions discussed in the certified Final Environmental Impact Report (FEIR) for the General Plan.

### 2.0 PROPOSED PROJECT DESCRIPTION

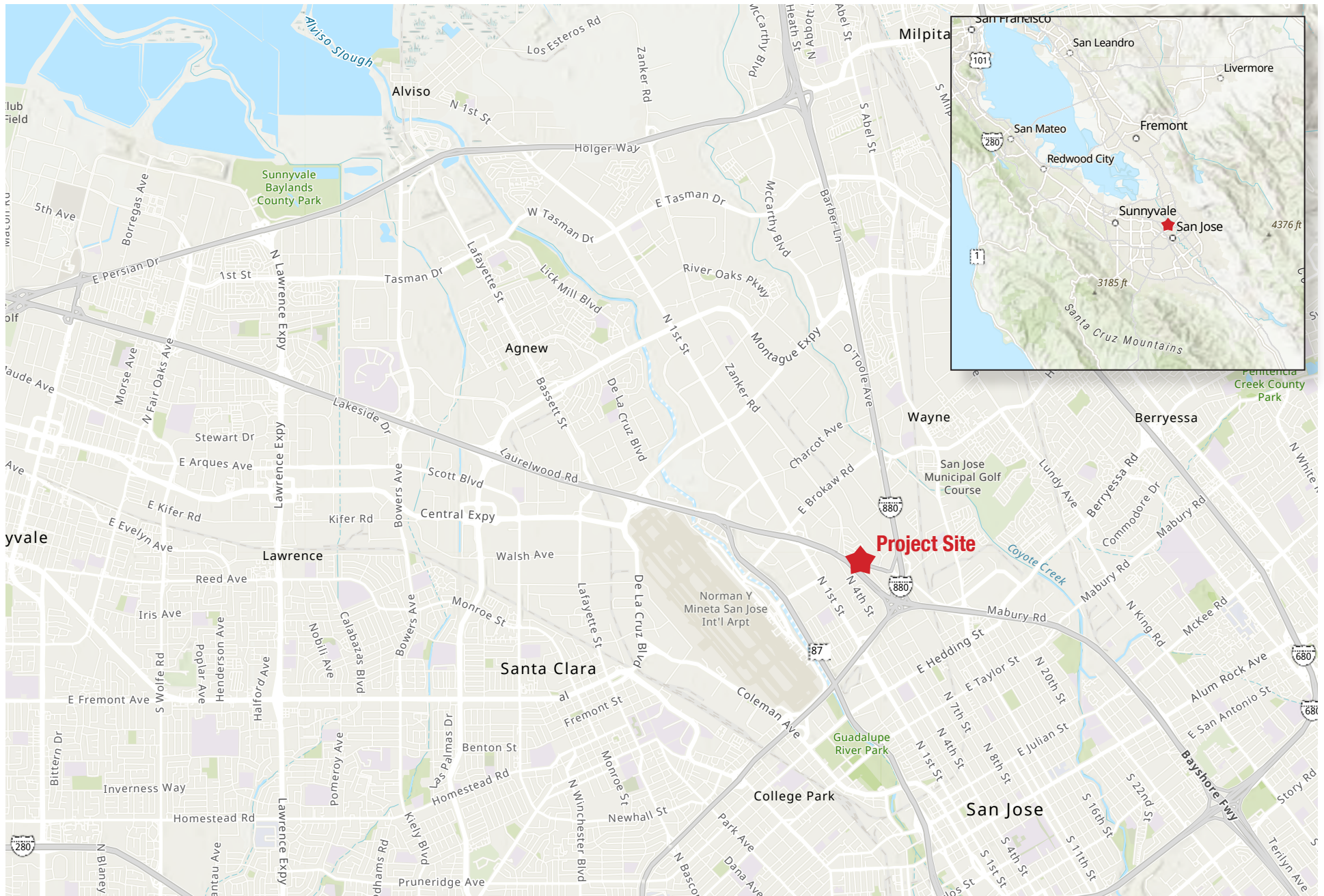
The proposed project is in the City of José (City) in the northwestern portion of Santa Clara County, California. The project site is located at 1660 Old Bayshore Highway. **Figure 1: Regional Vicinity** and **Figure 2: Site Vicinity**, depict the project site in a regional and local context. The project site is located approximately three miles north of downtown San José. Surrounding land uses are mainly light industrial and warehouses in an urbanized area. The proposed project site includes four parcel (Assessor Parcel Number 237-12-098, 237-12-101, 237-12-118, and 237-12-117) on approximately 6.07 gross acres.

The proposed project site was previously utilized by a meatpacking facility and is currently vacant. The overall project site is flat and previously graded. The project site is currently surrounded by similar heavy industrial land uses to the north, east, and west of the site and light industrial uses to the south of the site. Immediate to the south and west of Old Bayshore Highway is U.S. 101 and further to the east is Interstate 880.

The project proposes to demolish two existing industrial structures, redevelop and re-purpose an existing warehouse structure, and resurface the site for parking. As shown in **Figure 3: Site Plan**, the existing warehouse structure located at the northeast corner of the property will remain and be redeveloped and re-purposed into a 23,000-sf last-mile distribution building with a 3,000-sf office. A new 17,700 sf canopy structure is proposed to overhang the south side of distribution building.

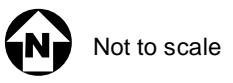
The proposed project includes a total of 226 surface parking spaces comprising of 68 automobile spaces, 128 van spaces, 12 loading spaces, 12 queuing spaces, 3 induct spaces, and 3 handicap spaces. The 12 loading spaces would be provided under the canopy and 68 automobile spaces for employees would be located throughout the eastern portion of the project site. Van spaces would be located in the southwestern portion of the project site.

Construction and demolition activities will occur in one phase and expected to occur over a six-month period. Construction activities are expected to commence in September 2021.



Source: USGS, 2021

**Figure 1: Regional Vicinity**  
 1660 Old Bayshore Highway Industrial Project





Source: USGS, 2021

## Figure 2: Site Vicinity

1660 Old Bayshore Highway Industrial Project



Not to scale

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Source: Project Plans for SP20-033, 2021

**Figure 3: Site Plan**  
1660 Old Bayshore Highway Industrial Project

### 3.0 THRESHOLDS AND SIGNIFICANCE CRITERIA

Based upon the criteria derived from Appendix G of the CEQA Guidelines, a project normally would have a significant effect on the environment if it would:

1. Conflict with or obstruct implementation of the applicable air quality plan,
2. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or State ambient air quality standard,
3. Expose sensitive receptors to substantial pollutant concentrations, or
4. Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.
5. Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.
6. Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.

### 4.0 IMPACT ANALYSIS

#### 4.1 Air Quality

##### **Threshold (a) Conflict with or obstruct implementation of the applicable air quality plan.**

The project site is located in the San Francisco Bay Area Air Basin (Basin) which includes all of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, and Santa Clara counties, the southern portion of Sonoma County, and the southwestern portion of Solano County. The Bay Area Air Quality Management District (BAAQMD) and the California Air Resources Board (CARB) monitor air quality within the Basin. Air quality plans describe air pollution control strategies and measures to be implemented by a city, county, region, and/or air district. The primary purpose of an air quality plan is to bring an area that does not attain federal and State air quality standards into compliance with the requirements of the federal Clean Air Act and California Clean Air Act. In addition, air quality plans are developed to ensure that an area maintains a healthful level of air quality based on the National Ambient Air Quality Standards (NAAQS) and the California Ambient Air Quality Standards (CAAQS). The Air Quality Management Plan (AQMP) is prepared by BAAQMD. The AQMP provides policies and control measures that reduce emissions to attain both State and federal ambient air quality standards.

The most recently adopted plan, the Clean Air Plan, in the Basin outlines how the San Francisco area will attain air quality standards, reduce population exposure and protect public health, and reduce GHG emissions. The Clean Air Plan assumptions for projected air emissions and pollutants in the City of San José are based on the General Plan Land Use Designation Map which designates the project site use as "Heavy Industrial". The project site is zoned "Heavy Industrial". The HI Zoning District allows for warehouse and distribution facilities. The project as proposed would be consistent with the General Plan and proposed land use. Therefore, the project is consistent with the General Plan assumptions. The proposed project consists of 23,000-sf last-mile distribution building with a 3,000-

sf office, consistent with the General Plan land use designation and would not increase the regional population growth or cause changes in vehicle traffic that would obstruct implementation of the Clean Air Plan in the San Francisco Bay Area Basin.

As described below, construction and operational air quality emissions generated by the proposed project would not exceed the BAAQMD's emissions thresholds. Since the proposed project will not exceed these thresholds, the proposed project would not be considered by the BAAQMD to be a substantial emitter of criteria air pollutants, and would not contribute to any non-attainment areas in the Basin.

The proposed project would generate approximately 131 employees.<sup>1</sup> The Association of Bay Area Governments (ABAG) predicts that job opportunities in the City of San José will grow from 387,510 in 2010 to 554,875 by 2040. As of 2015, there are 359,128 job opportunities in the City<sup>2</sup>. The project is consistent with the City General Plan, therefore the addition of 131 new jobs would be within the ABAG growth projections for the City of approximately 554,875 job by 2040 and would not exceed the ABAG growth projections for the City. As identified in the General Plan FEIR, the City currently has an existing ratio of jobs per resident of 0.8. The General Plan FEIR identified that at full buildout of the General Plan, the existing ratio of jobs per employed resident would be increased to a job per employed resident ratio of 1.3. The increase in jobs would incrementally decrease the overall jobs/housing imbalance within the City. The project would not exceed the level of population or housing in regional planning efforts. Additionally, the proposed project would not significantly affect regional vehicle miles travelled pursuant to the CEQA Guidelines (Section 15206). Therefore, population growth from the project would be consistent with ABAG's projections for the City and with the City's General Plan.

A project would be consistent with the 2017 Clean Air Plan Progress Report if it would not exceed the growth assumptions in the plan. The primary method of determining consistency with the 2017 Clean Air Plan growth assumptions is consistency with the General Plan land use designations and zoning designations for the site. It should be noted that the Clean Air Plan does not make a specific assumption for development on the site, but bases assumptions on growth in population, travel, and business, based on socioeconomic forecasts. As noted above, the project would not exceed the growth assumptions in the General Plan. Therefore, the growth assumptions in the Clean Air Plan would not be exceeded.

Given that approval of a project would not result in significant and unavoidable air quality impacts after the application of all feasible mitigation, the project is considered consistent with the 2017 Clean Air Plan. In addition, projects are considered consistent with the 2017 Clean Air Plan if they

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<sup>1</sup> Approximately 45 Tenant employees would support this operation on-site and approximately 86 delivery associates (delivery van drivers) would operate off-site.

<sup>2</sup> City of San José. Envision San José 2040 General Plan DEIR.

incorporate all applicable and feasible control measures from the 2017 Clean Air Plan and would not disrupt or hinder implementation of any 2017 Clean Air Plan control measures.

The project is consistent with the 2017 Clean Air Plan policies that are applicable to the project site. As discussed in **Table 1: Project Consistency with Applicable Clean Air Plan Control Measures**, the project would comply with City, State, and regional requirements.

**Table 1: Project Consistency with Applicable Clean Air Plan Control Measures**

| Control Measure  | Project Consistency   |
|--|---|
| <b>Stationary Source Control Measures</b>                    |   |
| SS21: New Source Review of Toxic Air Contaminants            | <b>Consistent.</b> The project would not include uses that would generate new sources of TAC that would impact nearby sensitive receptors.  |
| SS25: Coatings, Solvents, Lubricants, Sealants and Adhesives | <b>Consistent.</b> The project would comply with Regulation 8, Rule 3: Architectural Coatings, which would dictate the ROG content of paint available for use during construction (also required per City of San José Environmental Standard Conditions).   |
| SS26: Surface Prep and Cleaning Solvent                      |   |
| SS29: Asphaltic Concrete                                     | <b>Consistent.</b> Paving activities associated with the project would be required to utilize asphalt that does not exceed BAAQMD emission standards in Regulation 8, Rule 15.  |
| SS31: General Particulate Matter Emissions Limitation        | <b>Consistent.</b> This control measure is implemented by the BAAQMD through Regulation 6, Rule 1. This Rule Limits the quantity of particulate matter in the atmosphere by controlling emission rates, concentration, visible emissions and opacity. The project would be required to comply with applicable BAAQMD rules.                             |
| SS32: Emergency Back-up Generators                           | <b>Consistent.</b> Use of back-up generators by the project is currently not anticipated. However, if emergency generators were to be installed they would be required to meet the BAAQMD’s emissions standards for back-up generators.   |
| SS34: Wood Smoke   | <b>Consistent.</b> The project would comply with BAAQMD Regulation 6, Rule 3 and prohibit the construction of wood burning appliances/ fireplaces.  |
| SS36: Particulate Matter from Trackout                       | <b>Consistent.</b> Mud and dirt that may be tracked out onto the nearby public roads during construction activities would be removed promptly by the contractor based on BAAQMD’s requirements.   |
| SS37: Particulate Matter from Asphalt Operations             | <b>Consistent.</b> Paving and roofing activities associated with the project would be required to utilize best management practices to minimize the particulate matter created from the transport and application of road and roofing asphalt.  |
| SS38: Fugitive Dust  | <b>Consistent.</b> Material stockpiling and trackout during grading activities as well as smoke and fumes from paving and roofing asphalt operations would be required to utilize best management practices, such as watering exposed surfaces twice a day, covering haul trucks, keeping vehicle speeds on unpaved roads under 15 mph, to minimize the |

|   |   |
|---|---|
|   | creation of fugitive dust. See City of San José Environmental Standard Conditions for a more detailed list.   |
| SS40: Odors                                       | <b>Consistent.</b> The project is an industrial development and is not anticipated to generate odors. The project would comply with BAAQMD Regulation 7 to strengthen odor standards and enhance enforceability.  |
| <b>Transportation Control Measures</b>            |   |
| TR2: Trip Reduction Programs                      | <b>Consistent.</b> The project is an industrial facility that would require on-site employees and delivery vehicle trips. The Project is an infill development, in the vicinity of different land use types, and within 0.5-mile of transit stops along North 1 <sup>st</sup> Street, which would encourage alternative transportation modes, which would help reduce vehicle miles traveled (VMT) and mobile greenhouse gas emissions.   |
| TR8: Ridesharing and Last-Mile Connections        |   |
| TR9: Bicycle and Pedestrian Access Facilities     | <b>Consistent.</b> Bicycle facilities in the area include Old Bayshore Highway, Zanker Road, and Rogers Avenue which provide Class II bike lanes with buffered striping to separate the vehicle and bike travel way. The proposed project would include 6 bicycle parking spaces as well as bicycle and pedestrian access on the driveway.  |
| TR10: Land Use Strategies                         | <b>Consistent.</b> This measure is a BAAQMD funding tool to maintain and disseminate information on current climate action plans and other local best practices and collaborate with regional partners to identify innovative funding mechanisms to help local governments address air quality and climate change in their general plans. In addition, the proposed project site is located within 2,000 feet of transit stops along North 1 <sup>st</sup> Street / Metro Drive intersection and North 1 <sup>st</sup> Street / East Gish Road intersection. Therefore, these employment opportunities would be easily accessible via transit, furthering the City’s General Plan goals to support a healthy community, reduce traffic congestion and decrease greenhouse gas emissions and energy consumption. The project would not conflict with implementation of this measure. |
| TR13: Parking Policies                            | <b>Consistent.</b> The proposed project would create approximately 228 surface parking spaces including 69 automobile spaces, 128 van spaces, 12 loading spaces, 12 queuing spaces, 3 induct truck spaces, and 4 handicap spaces. The proposed parking is sufficient for the proposed uses.   |
| TR19: Medium and Heavy Duty Trucks                | <b>Consistent.</b> The project includes a warehousing use that would generate truck trips. However, per the transportation analysis prepared for the project indicated there would be approximately 14 daily truck trips. The project would not conflict with the implementation of this measure.   |
| TR22: Construction, Freight and Farming Equipment | <b>Consistent.</b> The project would comply through implementation of the BAAQMD standard condition, which requires construction equipment to be properly maintained.   |
| <b>Energy and Climate Control Measures</b>        |   |

|  |  |
|--|--|
| EN1: Decarbonize Electricity Generation                                  | <b>Consistent.</b> The project would be constructed in accordance with the latest California Building Code and green building regulations/CalGreen. The proposed development would be constructed in compliance with the City’s Council Policy 6-32 and the City’s Green Building Ordinance.   |
| EN2: Decrease Electricity Demand   |  |
| <b>Buildings Control Measures</b>  |  |
| BL1: Green Buildings   | <b>Consistent.</b> The project would be constructed in accordance with the latest California Building Code and green building regulations/CalGreen. The proposed development would be constructed in compliance with the City’s Council Policy 6-32 and the City’s Green Building Ordinance.   |
| L2: Decarbonize Buildings  |  |
| BL4: Urban Heat Island Mitigation  | <b>Consistent.</b> The project would demolish part of an existing warehouse building and associated asphalt surfaces. The project would include some landscaping.  |
| <b>Natural and Working Lands Control Measures</b>                        |  |
| NW2: Urban Tree Planting   | <b>Not Applicable.</b> The project site is in an existing warehouse building. The project includes landscaping with native vegetation and trees.   |
| <b>Waste Management Control Measures</b>                                 |  |
| WA1: Landfills   | <b>Consistent.</b> The waste service provider for the project would be required to meet the AB341 and SB 939, 1374, and 1383 requirements that require waste service providers to divert and recycle waste. Per Cal Green requirements the project would recycle construction waste.   |
| WA3: Green Waste Diversion   |  |
| WA4: Recycling and Waste Reduction                                       |  |
| <b>Water Control Measures</b>  |  |
| WR2: Support Water Conservation  | <b>Consistent.</b> The project would implement water conservation measures and low flow fixtures as required by Title 24, CalGreen, and the City of San José’s Municipal Code Section 15-11 Water Efficient Landscaping Ordinance, which includes various specifications for plant types, water features, and irrigation design etc. |
| Source: BAAQMD, Clean Air Plan, 2017 and Kimley-Horn & Associates, 2021. |  |

Compliance with General Plan Policies and applicable State and local law would reduce air quality impacts to a less than significant level. No additional site-specific mitigation measures are required.

**Mitigation Measure:** Compliance with General Plan Policies and applicable state and local law would reduce air quality impacts to a less than significant level. No additional site-specific mitigation measures are required.

**Level of Significance:** Less than significant impact.

**Threshold (b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or State ambient air quality standard.**

**Construction Emissions**

Project construction activities would generate short-term emissions of criteria air pollutants. The criteria pollutants of primary concern within the project area include ozone (O<sub>3</sub>)-precursor pollutants (i.e., reactive organic gases [ROG] and nitrogen oxides [NO<sub>x</sub>]) and particulate matter 10 microns in size or less (PM<sub>10</sub>) and particulate matter 2.5 microns in size or less (PM<sub>2.5</sub>). Construction-generated emissions are short term and temporary, lasting only while construction activities occur, but would be considered a significant air quality impact if the volume of pollutants generated exceeds the BAAQMD's thresholds of significance.

Construction results in the temporary generation of emissions during site preparation, site grading, road paving, motor vehicle exhaust associated with construction equipment and worker trips, and the movement of construction equipment, especially on unpaved surfaces. Emissions of airborne particulate matter are largely dependent on the amount of ground disturbance associated with site preparation activities, as well as weather conditions and the appropriate application of water.

The duration of construction activities associated with the project are estimated to last approximately six months. The project's construction-related emissions were calculated using the BAAQMD-approved CalEEMod computer program, which is designed to model emissions for land use development projects, based on typical construction requirements. Project demolition, site preparation, and grading coating are anticipated to begin in fall 2021. Paving and architectural coating was modeled to be completed early 2022. The project would redevelop and re-purpose an existing warehouse structure and therefore would not result in any new building construction. Architectural coating would begin fall of 2021 and end early 2022. The exact construction timeline is unknown, however, to be conservative, earlier dates were utilized in the modeling. This approach is conservative given that emissions factors decrease in future years due to regulatory and technological improvements and fleet turnover. See [Appendix A: Air Quality Data](#) for additional information regarding the construction assumptions used in this analysis. **Table 2: Maximum Daily Construction Emissions (lbs/day)** displays the maximum daily emissions in pounds per day that are expected to be generated from the construction of the proposed project in comparison to the daily thresholds established by the BAAQMD.

**Table 2: Maximum Daily Construction Emissions (lbs/day)**

| Construction Year   | Pollutant (maximum pounds per day) <sup>1</sup> |                                   |   |  |   |  |
|---|---|-----------------------------------|---|--|---|--|
|   | Reactive Organic Gases (ROG)                    | Nitrogen Oxide (NO <sub>x</sub> ) | Exhaust                                       |  | Fugitive Dust                                 |  |
|   |   |                                   | Coarse Particulate Matter (PM <sub>10</sub> ) | Fine Particulate Matter (PM <sub>2.5</sub> ) | Coarse Particulate Matter (PM <sub>10</sub> ) | Fine Particulate Matter (PM <sub>2.5</sub> ) |
| 2021  | 15.71   | 40.53                             | 2.05  | 1.88   | 7.86  | 4.28   |
| 2022  | 1.55  | 11.51                             | 0.57  | 0.52   | 0.12  | 0.03   |
| <b>Maximum</b>  | <b>15.71</b>                                    | <b>40.53</b>                      | <b>2.05</b>                                   | <b>1.88</b>                                  | <b>7.86</b>                                   | <b>4.28</b>                                  |
| <i>BAAQMD Significance Threshold<sup>2,3</sup></i>  | 54  | 54                                | 82  | 54   | BMPs  | BMPs   |
| <b>Exceed BAAQMD Threshold?</b>   | <b>No</b>                                       | <b>No</b>                         | <b>No</b>                                     | <b>No</b>                                    | <b>N/A</b>                                    | <b>N/A</b>                                   |
| <p>1. Emissions were calculated using CalEEMod. Mitigated emissions include compliance with the BAAQMD’s Basic Construction Mitigation Measures Recommended for All Projects. These measures include the following: water exposed surfaces two times daily; cover haul trucks; clean track outs with wet powered vacuum street sweepers; limit speeds on unpaved roads to 15 miles per hour; complete paving as soon as possible after grading; limit idle times to 5 minutes; properly maintain mobile and other construction equipment; and post a publicly visible sign with contact information to register dust complaints and take corrective action within 48 hours.</p> <p>2. Bay Area Air Quality Management District, California Environmental Quality Act Air Quality Guidelines, updated May 2017.</p> <p>3. BMPs = Best Management Practices. The BAAQMD recommends the implementation of all Basic Construction Mitigation Measures, whether or not construction-related emissions exceed applicable significance thresholds. Implementation of Basic Construction Mitigation measures are considered to mitigate fugitive dust emissions to be less than significant.</p> <p>Source: Refer to the CalEEMod outputs provided in Appendix A, <i>Air Quality Modeling Data</i>.</p> |   |                                   |   |  |   |  |

***Fugitive Dust Emissions.*** Fugitive dust emissions are associated with land clearing, ground excavation, cut-and-fill operations, demolition, and truck travel on unpaved roadways. Dust emissions also vary substantially from day to day, depending on the level of activity, the specific operations, and weather conditions. Fugitive dust emissions may have a substantial, temporary impact on local air quality. In addition, fugitive dust may be a nuisance to those living and working in the project vicinity. Uncontrolled dust from construction can become a nuisance and potential health hazard to those living and working nearby. The BAAQMD recommends the implementation of all Basic Construction Control Measures, whether or not construction-related emissions exceed applicable significance and the project would implement the BAAQMD Basic Construction Control Measures as a Standard Permit Condition to control dust at the project site during all phases of construction.

***Standard Permit Condition***

These measures would be placed on the project plan documents prior to the issuance of any grading permits for the proposed project.

- i. Water active construction areas at least twice daily or as often as needed to control dust emissions.
- ii. Cover trucks hauling soil, sand, and other loose materials and/or ensure that all trucks hauling such materials maintain at least two feet of freeboard.

- iii. Remove visible mud or dirt track-out onto adjacent public roads using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited.
- iv. Enclose, cover, water twice daily or apply non-toxic soil binders to exposed stockpiles (dirt, sand, etc.).
- v. Pave new or improved roadways, driveways, and sidewalks as soon as possible.
- vi. Lay building pads as soon as possible after grading unless seeding or soil binders are used.
- vii. Replant vegetation in disturbed areas as quickly as possible.
- viii. Install sandbags or other erosion control measures to prevent silt runoff to public roadways.
- ix. Minimizing idling times either by shutting off equipment when not in use, or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations). Provide clear signage for construction workers at all access points.
- x. Maintain and properly tune construction equipment in accordance with manufacturer's specifications. Check all equipment by a certified mechanic and record a determination of running in proper condition prior to operation.
- xi. Post a publicly visible sign with the telephone number and person to contact at the lead agency regarding dust complaints.

Construction Equipment and Worker Vehicle Exhaust. Exhaust emission factors for typical diesel-powered heavy equipment are based on the CalEEMod program defaults. Variables factored into estimating the total construction emissions include: level of activity, length of construction period, number of pieces/types of equipment in use, site characteristics, weather conditions, number of construction personnel, and the amount of materials to be transported onsite or offsite. Exhaust emissions from construction activities include emissions associated with the transport of machinery and supplies to and from the project site, emissions produced on site as the equipment is used, and emissions from trucks transporting materials and workers to and from the site. Emitted pollutants would include ROG, NO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. The BAAQMD recommends the implementation of all Basic Construction Control Measures, whether or not construction-related emissions exceed applicable significance thresholds. See the above listed Standard Permit Conditions. As detailed in **Table 2**, unmitigated project construction emissions would not exceed the BAAQMD thresholds and construction emissions would not result in a potentially significant impact. Therefore, construction air quality impacts would be less than significant.

ROG Emissions. In addition to gaseous and particulate emissions, the application of asphalt and surface coatings creates ROG emissions, which are O<sub>3</sub> precursors. In accordance with the methodology prescribed by the BAAQMD, the ROG emissions associated with paving have been quantified with CalEEMod.

The highest concentration of ROG emissions would be generated from architectural coating beginning in Winter 2021 and lasting approximately one month. This phase includes the interior and exterior painting as well as striping of all paved parking areas and driveways. Paints would be required to

comply with BAAQMD Regulation 8, Rule 3: Architectural Coating. Regulation 8, Rule 3 provides specifications on painting practices and regulates the ROG content of paint.

*Summary.* As shown in **Table 2**, all criteria pollutant emissions would remain below their respective thresholds. BAAQMD considers fugitive dust emissions to be potentially significant without implementation of the Construction Control Measures which help control fugitive dust. NO<sub>x</sub> emissions are primarily generated by engine combustion in construction equipment, haul trucks, and employee commuting, requiring the use of newer construction equipment with better emissions controls would reduce construction-related NO<sub>x</sub> emissions. With implementation of the Standard Permit Condition and project condition of approval the proposed project’s construction would not worsen ambient air quality, create additional violations of federal and state standards, or delay the Basin’s goal for meeting attainment standards. Impacts would be less than significant.

**Operational Emissions**

Operational emissions for residential developments are typically generated from mobile sources (burning of fossil fuels in cars); energy sources (cooling, heating, and cooking); and area sources (landscape equipment and household products). **Table 3: Operational Emissions (lbs/day)** shows that the project's maximum emissions would not exceed BAAQMD operational thresholds.

**Table 3: Operational Emissions (lbs/day)**

| Emissions Source                                 | Pollutant (maximum pounds per day) <sup>1</sup> |                                    |   |  |   |  |
|--|---|------------------------------------|---|--|---|--|
|  | Reactive Organic Gases (ROG)                    | Nitrogen Oxides (NO <sub>x</sub> ) | Exhaust                                       |  | Fugitive Dust                                 |  |
|  |   |                                    | Coarse Particulate Matter (PM <sub>10</sub> ) | Fine Particulate Matter (PM <sub>2.5</sub> ) | Coarse Particulate Matter (PM <sub>10</sub> ) | Fine Particulate Matter (PM <sub>2.5</sub> ) |
| <b>Existing Project Site</b>                     |   |                                    |   |  |   |  |
| Area   | 1.89  | 0.00                               | 0.00  | 0.00   | 0.00  | 0.00   |
| Energy   | 0.06  | 0.52                               | 0.04  | 0.04   | 0.00  | 0.00   |
| Mobile   | 1.22  | 1.50                               | 0.03  | 0.03   | 2.47  | 0.63   |
| <b>Total Emissions</b>                           | <b>3.17</b>                                     | <b>2.02</b>                        | <b>0.07</b>                                   | <b>0.07</b>                                  | <b>2.47</b>                                   | <b>0.63</b>                                  |
| <b>Proposed Project</b>                          |   |                                    |   |  |   |  |
| Area   | 0.74  | 0.00                               | 0.00  | 0.00   | 0.00  | 0.00   |
| Energy   | 0.00  | 0.03                               | 0.00  | 0.00   | 0.00  | 0.00   |
| Mobile   | 1.57  | 5.40                               | 0.11  | 0.11   | 3.71  | 0.94   |
| <b>Total Project Emissions</b>                   | <b>2.32</b>                                     | <b>5.43</b>                        | <b>0.11</b>                                   | <b>0.11</b>                                  | <b>3.71</b>                                   | <b>0.94</b>                                  |
| <b>Net Emissions</b>                             |   |                                    |   |  |   |  |
| Existing Project Site                            | 3.17  | 2.02                               | 0.07  | 0.07   | 2.47  | 0.63   |
| Proposed Project                                 | 2.32  | 5.43                               | 0.11  | 0.11   | 3.71  | 0.94   |
| <b>Net Change</b>                                | <b>-0.85</b>                                    | <b>+3.41</b>                       | <b>+0.04</b>                                  | <b>+0.04</b>                                 | <b>+1.24</b>                                  | <b>+0.31</b>                                 |
| <i>BAAQMD Significance Threshold<sup>2</sup></i> | 54  | 54                                 | 82  | 54   | N/A   | N/A  |

| Emissions Source   | Pollutant (maximum pounds per day) <sup>1</sup> |                                    |   |  |   |  |
|--|---|------------------------------------|---|--|---|--|
|  | Reactive Organic Gases (ROG)                    | Nitrogen Oxides (NO <sub>x</sub> ) | Exhaust                                       |  | Fugitive Dust                                 |  |
|  |   |                                    | Coarse Particulate Matter (PM <sub>10</sub> ) | Fine Particulate Matter (PM <sub>2.5</sub> ) | Coarse Particulate Matter (PM <sub>10</sub> ) | Fine Particulate Matter (PM <sub>2.5</sub> ) |
| <b>BAAQMD Threshold Exceeded?</b>  | <b>No</b>                                       | <b>No</b>                          | <b>No</b>                                     | <b>No</b>                                    | <b>N/A</b>                                    | <b>N/A</b>                                   |
| 1. Emissions were calculated using CalEEMod.<br>2. Bay Area Air Quality Management District, <i>California Environmental Quality Act Air Quality Guidelines</i> , 2017.<br>Source: Refer to the CalEEMod outputs provided in Appendix A, <i>Air Quality and GHG Data</i> . |   |                                    |   |  |   |  |

**Area Source Emissions** Area source emissions would be generated due to the use consumer products, architectural coating, and landscaping.

**Energy Source Emissions.** Energy source emissions would be generated as a result of electricity and natural gas usage associated with the project. The primary use of electricity and natural gas by the project would be for space heating and cooling, water heating, ventilation, lighting, appliances, and electronics.

**Mobile Sources.** Mobile sources are emissions from motor vehicles, including tailpipe and evaporative emissions. Depending upon the pollutant being discussed, the potential air quality impact may be of either regional or local concern. For example, ROG, NO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> are all pollutants of regional concern (NO<sub>x</sub> and ROG react with sunlight to form O<sub>3</sub> [photochemical smog], and wind currents readily transport PM<sub>10</sub> and PM<sub>2.5</sub>). However, CO tends to be a localized pollutant, dispersing rapidly at the source.

Project-generated vehicle emissions have been estimated using CalEEMod. Trip generation rates associated with the project were based on the Project’s Local Transportation Analysis prepared by NV5 (2021). Based on the Project’s Local Transportation Analysis, the project would result in a gross total of 574 daily vehicle trips. Per the Local Transportation Analysis, the fleet mix for the proposed project is 388 passenger vehicles, 14 heavy-duty trucks, and 172 delivery vans. The existing site generates 392 vehicle trips; therefore, the project would generate a net total of 182 additional daily trips.

**Total Operational Emissions.** As indicated in **Table 3**, net project operational emissions would not exceed BAAQMD thresholds. As noted above, the BAAQMD has set its CEQA significance threshold based on the trigger levels for the federal NSR Program and BAAQMD’s Regulation 2, Rule 2 for new or modified sources. The NSR Program was created to ensure projects are consistent with attainment of health-based federal ambient air quality standards. The federal ambient air quality standards establish the levels of air quality necessary, with an adequate margin of safety, to protect the public health. Therefore, the project would not violate any air quality standards or contribute substantially to an existing or projected air quality violation and no criteria pollutant health impacts would occur. Project operational emissions would be less than significant.

### Cumulative Emissions

The SFBAAB is designated nonattainment for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> for State standards and nonattainment for O<sub>3</sub> and PM<sub>2.5</sub> for Federal standards. As discussed above, the project's construction-related and operational emissions would not have the potential to exceed the BAAQMD significance thresholds for criteria pollutants.

Cumulative Construction Impacts. The SFBAAB is designated nonattainment for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> for State standards and nonattainment for O<sub>3</sub> and PM<sub>2.5</sub> for Federal standards. As discussed above, the project's construction-related emissions with the Standard Permit Conditions would not have the potential to exceed the BAAQMD significance thresholds for criteria pollutants.

Since these thresholds indicate whether an individual project's emissions have the potential to affect cumulative regional air quality, it can be expected that the project-related construction emissions would not be cumulatively considerable. The BAAQMD recommends Basic Construction Control Measures for all projects whether or not construction-related emissions exceed the thresholds of significance. Compliance with BAAQMD construction-related mitigation requirements are considered to reduce cumulative impacts at a Basin-wide level. As a result, construction emissions associated with the project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

Cumulative Operational Impacts. The BAAQMD has not established separate significance thresholds for cumulative operational emissions. The nature of air emissions is largely a cumulative impact. As a result, no single project is sufficient in size, by itself, to result in nonattainment of ambient air quality standards. Instead, a project's individual emissions contribute to existing cumulatively significant adverse air quality impacts. The BAAQMD developed the operational thresholds of significance based on the level above which a project's individual emissions would result in a cumulatively considerable contribution to the Basin's existing air quality conditions. Therefore, a project that exceeds the BAAQMD operational thresholds would also be a cumulatively considerable contribution to a significant cumulative impact.

As shown in **Table 2** and **Table 3**, the project's construction and operational emissions would not exceed BAAQMD thresholds. As a result, air quality emissions associated with the project would not result in a cumulatively considerable contribution to significant cumulative air quality impacts.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact with compliance with standard conditions and City policies.

**Threshold (c) Expose sensitive receptors to substantial pollutant concentrations.**

Sensitive land uses are defined as facilities or land uses that include members of the population that are particularly sensitive to the effects of air pollutants, such as children, the elderly, and people with illnesses. Examples of these sensitive receptors are residences, schools, hospitals, and daycare

centers. The State CEQA Guidelines indicate that a potentially significant impact could occur if a project would expose sensitive receptors to substantial pollutant concentrations. The criteria used in the Final EIR to address this impact included the preparation of a localized impact traffic analysis and a CO hot spot analysis. CO concentrations would be well below the state and Federal standards according to the General Plan Final EIR. The nearest sensitive receptor is located approximately 1,500 feet south of the project site.

### **Construction Toxic Air Contaminants**

Construction equipment and associated heavy-duty truck traffic generates diesel exhaust which is a known Toxic Air Contaminants (TAC). Diesel exhaust from construction equipment operating at the site poses a health risk to nearby sensitive receptors. However, the use of diesel-powered construction equipment would be episodic and would occur in various phases throughout the project site. Construction is subject to and would comply with California regulations (e.g., California Code of Regulations, Title 13, Division 3, Article 1, Chapter 10, Sections 2485 and 2449), which reduce DPM and criteria pollutant emissions from in-use off-road diesel-fueled vehicles and limit the idling of heavy-duty construction equipment to no more than five minutes. These regulations would further reduce nearby sensitive receptors' exposure to temporary and variable DPM emissions.

Given the temporary and intermittent nature of construction activities likely to occur within specific locations in the project site (i.e., construction is not likely to occur in any one location for an extended time), the dose of DPM of any one receptor is exposed to would be limited. Additionally, as the project site is already disturbed and would not require excavation, grading operations would take approximately 25 days, which further limits the intensity and duration of heavy-duty equipment use. The majority of construction (i.e., the construction phase with the longest duration) would occur during the paving phase.

Furthermore, even during the most intense month of construction, emissions of DPM would be generated from different locations on the project site rather than in a single location because different types of construction activities (e.g., site preparation and paving) would not occur at the same place at the same time. The California Office of Environmental Health Hazard Assessment has not identified short-term health effects from DPM. Construction is temporary and would be transient throughout the site (i.e., move from location to location) and would not generate emissions in a fixed location for extended periods of time. Additionally, the closest sensitive receptors are more than 1,000 feet from the project site and are outside of BAAQMD's zone of influence to have significant risk effects from and hazards. For these reasons, DPM generated by project construction activities would not expose sensitive receptors to substantial amounts of air toxics and the project would result in a less than significant impact. Therefore, impacts associated with construction activities would be less than significant.

### **Operational Toxic Air Contaminants**

The project includes the partial demolition and remodeling of one industrial building. According to the Transportation Analysis prepared, the project would include passenger vehicles, vans, and trucks.

The project is anticipated to generate approximately 574 daily vehicle trips. However, the nearest sensitive receptor is approximately 1,500 feet from the project site. Operational TAC impacts would be less than significant.

Stationary sources within a 1,000-foot radius of the project site were reviewed using BAAQMD’s Stationary Source Screening Analysis Tools. There were seven stationary sources located within a 1,000-foot radius of the project site, as indicated in **Table 4: Cumulative Operational Health Risk**.

**Table 4: Cumulative Operational Health Risk**

| Emissions Sources  | PM <sub>2.5</sub> (µg/m <sup>3</sup> ) | Cancer Risk (per million) | Hazard       |
|--|--|---------------------------|--------------|
| <b>Stationary Sources</b>  |  |                           |              |
| Smithfield Packaged Meats Corp                                     | 0.04                                   | 0.02                      | 0.00         |
| Caltrans-San Jose Maintenance Station                              | 0.00                                   | 0.18                      | 0.001        |
| Central Concrete Supply  | 2.36                                   | 0.0                       | 0.00         |
| Robles Brothers, Inc   | 0.31                                   | 0.01                      | 0.00         |
| Casino M8trix  | 0.00                                   | 0.15                      | 0.00         |
| Caliber Collision Centers  | 0.003                                  | 0.003                     | 0.00         |
| Service King Paint & Body  | 0.001                                  | 0.00                      | 0            |
| <b>Cumulative Health Risk Values</b>                               | <b>2.71</b>                            | <b>0.36</b>               | <b>0.001</b> |
| <i>BAAQMD Cumulative Threshold</i>                                 | <i>0.8</i>                             | <i>100</i>                | <i>10</i>    |
| <b>Threshold Exceeded?</b>   | <b>Yes</b>                             | <b>No</b>                 | <b>No</b>    |
| Source: BAAQMD’s Stationary Source Screening Analysis Tools, 2020. |  |                           |              |

Cumulative impacts are defined as two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts. As described above, the project is more than 1,500 feet away from the closest sensitive receptors and would be outside the zone of influence as defined by the BAAQMD. Worst-case PM<sub>2.5</sub> concentrations associated with existing cumulative conditions would exceed the BAAQMD’s thresholds. CEQA Guidelines 15065(a)(3) states “... ‘Cumulatively considerable’ means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.”

As described above project PM<sub>2.5</sub> emissions would be well below BAAQMD thresholds. Although **Table 4** shows that cumulative PM<sub>2.5</sub> concentrations from existing sources exceed BAAQMD’s threshold of 0.8 µg/m<sup>3</sup>, the primary contributor to those concentrations is an existing Central Concrete Supply facility located approximately 610 feet north of the project site. The Central Concrete Supply facility has high PM<sub>2.5</sub> risk (2.36 µg/m<sup>3</sup>) representing more than 87 percent of the total concentrations and are completely unrelated to the project. Additionally, the nearest sensitive receptors are located more

than 1,500 feet from the project site. The project would not result in any combined effects to create a new impact, and the project-related incremental contribution would not be cumulatively considerable for the following reasons:

- The project is outside of BAAQMD's 1,000-foot health risk influence area and project emissions would disperse/dissipate before reaching sensitive receptors;
- The project would have 14 heavy-duty trucks, which is less than the screening criterion of 100 trucks per day in CARB's Air Quality and Land Use Handbook (2005);
- The project's PM<sub>2.5</sub> emissions (refer to **Table 4**) are well below thresholds, which indicates that the project would not significantly contribute to pollutant concentrations; and
- Cumulative cancer risk and chronic hazards are below thresholds; therefore, even with the exceedance of the cumulative PM<sub>2.5</sub> threshold solely due to other projects, health effects would not occur.

Therefore, although the related cumulative sources in the project area exceed BAAQMD cumulative PM<sub>2.5</sub> thresholds, the project's combined and incremental effects would not be cumulatively considerable. The project's cumulative impacts would be less than significant.

The incremental effect of the individual project is less than significant. As the project is more than 1,500 feet away from sensitive receptors it would not have a combined effect. As such, although the related cumulative TAC sources in the project area exceed BAAQMD cumulative thresholds for PM<sub>2.5</sub> risk, the project's incremental effects would not be cumulatively considerable. Therefore, the project's cumulative impacts would be less than significant.

### **Mobile Sources**

The project would not place sensitive receptors within 1,000-feet of a major roadway (mobile TAC source). Additionally, the project's effects to existing vehicle distribution and travel speeds would be nominal. According to the Transportation Analysis, the project would generate 182 net new daily trips. Any changes to vehicle distribution and travel speeds can affect vehicle emissions rates, although these changes would be minimal and would not substantially change criteria pollutant emissions, which are primarily driven by vehicle miles travelled (VMT). Traffic is also predominantly light-duty and gasoline powered and therefore any shifts in traffic would not constitute a change in substantial cancer risk. The project does not involve the increase of transit trips or routes and would not generate increased emissions from expanded service (e.g., increased bus idling service).

### **Carbon Monoxide Hotspots**

The primary mobile-source criteria pollutant of local concern is carbon monoxide. Concentrations of CO are a direct function of the number of vehicles, length of delay, and traffic flow conditions. Transport of this criteria pollutant is extremely limited; CO disperses rapidly with distance from the source under normal meteorological conditions. Under certain meteorological conditions, however, CO concentrations close to congested intersections that experience high levels of traffic and elevated

background concentrations may reach unhealthy levels, affecting nearby sensitive receptors. Areas of high CO concentrations, or “hot spots,” are typically associated with intersections that are projected to operate at unacceptable levels of service during the peak commute hours. CO concentration modeling is therefore typically conducted for intersections that are projected to operate at unacceptable levels of service during peak commute hours.

The SFBAAB is designated as in attainment for carbon monoxide (CO). Emissions and ambient concentrations of CO have decreased dramatically in the SFBAAB with the introduction of the catalytic converter in 1975. No exceedances of the CAAQS or NAAQS for CO have been recorded at nearby monitoring stations since 1991. As a result, the BAAQMD screening criteria notes that CO impacts may be determined to be less than significant if a project would not increase traffic volumes at local intersections to more than 44,000 vehicles per hour, or 24,000 vehicles per hour for locations in heavily urban areas, where “urban canyons” formed by buildings tend to reduce air circulation. Traffic would increase along surrounding roadways during long-term operational activities.

According to the Transportation Analysis prepared for the project (2021), the project would generate 45 new a.m. peak hour trips and 14 new p.m. peak hour trips. The project’s effects to existing vehicle distribution and travel speeds would be nominal. Therefore, the project would not involve intersections with more than 24,000 or 44,000 vehicles per hour. As a result, the project would not have the potential to create a CO hotspot and impacts would be less than significant.

**Mitigation Measures:** No mitigation is required.

**Significance Impact:** Less than significant.

**Threshold (d) Create objectionable odors affecting a substantial number of people.**

### **Construction**

According to the BAAQMD, land uses associated with odor complaints typically include wastewater treatment plants, landfills, confined animal facilities, composting stations, food manufacturing plants, refineries, and chemical plants. The project does not include any uses identified by the BAAQMD as being associated with odors.

Construction activities associated with the project may generate detectable odors from heavy duty equipment (i.e., diesel exhaust), as well as from architectural coatings and asphalt off-gassing. Odors generated from the referenced sources are common in the man-made environment and are not known to be substantially offensive to adjacent receptors. Any construction-related odors would be short-term in nature and cease upon project completion. As a result, impacts to existing adjacent land uses from construction-related odors would be short-term in duration and therefore would be less than significant.

### **Operational**

BAAQMD has established odor screening thresholds for land uses that have the potential to generate substantial odor complaints, including wastewater treatment plants, landfills or transfer stations, composting facilities, confined animal facilities, food manufacturing, and chemical plants. BAAQMD's thresholds for odors are qualitative based on BAAQMD's Regulation 7, Odorous Substances. This rule places general limitations on odorous substances and specific emission limitations on certain odorous compounds.

The project includes a 23,000-sf last-mile distribution building with a 3,000-sf office. Both of these land uses are not anticipated to generate odors. None of the above listed uses are located near the project site. Impacts would be less than significant.

**Mitigation Measures:** Compliance with General Plan Policies and applicable state and local law would reduce impacts associated with odors to a less than significant level. No additional site-specific mitigation measures are required.

**Level of Significance:** Less than significant.

## 4.2 Greenhouse Gas Emissions

### Background

Global climate change refers to changes in average climatic conditions on Earth as a whole, including temperature, wind patterns and precipitation. Global temperatures are moderated by naturally occurring atmospheric gases, including water vapor, carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and nitrous oxide (N<sub>2</sub>O), as well as hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), and sulfur hexafluoride (SF<sub>6</sub>). These "greenhouse" gases (GHGs) allow solar radiation (sunlight) into the Earth's atmosphere but prevent radiative heat from escaping, thus warming the Earth's atmosphere. GHGs are emitted by both natural processes and human activities. Concentrations of GHG have increased in the atmosphere since the industrial revolution. Human activities that generate GHG emissions include combustion of fossil fuels (CO<sub>2</sub> and N<sub>2</sub>O); natural gas generated from landfills, fermentation of manure and cattle farming (CH<sub>4</sub>); and industrial processes such as nylon and nitric acid production (N<sub>2</sub>O).

GHGs have varying global warming potential (GWP). The GWP is the potential of a gas or aerosol to trap heat in the atmosphere; it is the "cumulative radiative forcing effect of a gas over a specified time horizon resulting from the emission of a unit mass of gas relative to a reference gas." The reference gas for GWP is CO<sub>2</sub>; therefore, CO<sub>2</sub> has a GWP factor of 1. The other main GHGs that have been attributed to human activity include CH<sub>4</sub>, which has a GWP factor of 28, and N<sub>2</sub>O, which has a GWP factor of 265. When accounting for GHGs, all types of GHG emissions are expressed in terms of CO<sub>2</sub> equivalents (CO<sub>2</sub>e) and are typically quantified in metric tons (MT) or million metric tons (MMT).

Assembly Bill (AB) 32, the California Global Warming Solutions Act of 2006, established a State goal of reducing GHG emissions to 1990 levels by the year 2020, which would require a reduction of approximately 173 MMT net CO<sub>2</sub>e below "business as usual" emission levels. Senate Bill (SB) 97, a companion bill, directed the California Natural Resources Agency (Resources Agency) to certify and

adopt guidelines for the mitigation of GHGs or the effects of GHG emissions. SB 97 was the State Legislature's directive to the Resources Agency to specifically establish that GHG emissions and their impacts are appropriate subjects for CEQA analysis. Executive Order (EO) S-3-05 was enacted in June 2005 and calls for an 80 percent reduction below 1990 levels by 2050. SB 32 was signed into law in 2016 and establishes an interim GHG emission reduction goal for the State to reduce GHG emissions to 40 percent below 1990 levels by the year 2030.

**Threshold (a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment.**

#### **Short-Term Construction Greenhouse Gas Emissions**

Construction of the proposed project would result in minor increases in GHG emissions from on-site equipment and emissions from construction workers' personal vehicle travelling to and from the project construction site. Construction-related GHG emissions vary depending on the level of activity, length of the construction period, specific construction operations, types of equipment, and number of construction workers. Neither the City of San José nor BAAQMD have an adopted threshold of significance for construction-related GHG emissions; however, BAAQMD recommends quantifying emissions and disclosing that GHG emissions would occur during construction. The CalEEMod outputs prepared for the proposed project (refer to Appendix A) calculated emissions with project construction to be 132 MTCO<sub>2</sub>e for the total construction period (six months). Because project construction will be a temporary condition (a total of six months) and would not result in a permanent increase in emissions that would interfere with the implementation of AB32, the temporary increase in emissions would be less than significant.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

#### **Long-Term Operational Greenhouse Gas Emissions**

The proposed project would include the partial demolition and remodeling of one industrial building. Operational or long-term emissions would occur over the project's life. GHG emissions would result from direct emissions such as project generated vehicular traffic, on-site combustion of natural gas, and operation of any landscaping equipment. Operational GHG emissions would also result from indirect sources, such as off-site generation of electrical power over the life of the project, the energy required to convey water to, and wastewater from the project site, the emissions associated with solid waste generated from the project site, and any fugitive refrigerants from air conditioning or refrigerators. It should be noted that the project would comply with the 2019 Title 24 Part 6 Building Energy Efficiency Standards. The standards require updated thermal envelope standards (preventing heat transfer from the interior to exterior and vice versa), residential and nonresidential ventilation requirements, and nonresidential lighting requirements that would cut residential energy use by more than 50 percent (with solar) and nonresidential energy use by 30 percent. The standards also encourage demand responsive technologies including battery storage and heat pump water heaters and improve the building's thermal envelope through high performance attics, walls and windows to improve comfort and energy savings (California Energy Commission, March 2018). The project would also comply with the appliance energy efficiency standards in Title 20 of the California Code of Regulations. The Title 20 standards include minimum levels of operating efficiency, and other cost-effective measures, to promote the use of energy- and water-efficient appliances. The project would be constructed according to the standards for high-efficiency water fixtures for indoor plumbing and water efficient irrigation systems required in 2019 Title 24, Part 11 (CALGreen).

At the State and global level, improvements in technology, policy, and social behavior can also influence and reduce operational emissions generated by a project. The state is currently on a pathway to achieving the Renewable Portfolio Standards goal of 33 percent renewables by 2020 and 60 percent renewables by 2030 per SB 100.

The majority of project emissions would occur from mobile and energy sources. Energy and mobile sources are targeted by statewide measures such as low carbon fuels, cleaner vehicles, strategies to promote sustainable communities and improved transportation choices that result in reducing VMT, continued implementation of the Renewable Portfolio Standard (the target is now set at 60 percent renewables by 2030), and extension of the Cap and Trade program (requires reductions from industrial sources, energy generation, and fossil fuels). The Cap and Trade program covers approximately 85 percent of California's GHG emissions as of January 2015. The statewide cap for GHG emissions from the capped sectors (i.e., electricity generation, industrial sources, petroleum refining, and cement production) commenced in 2013 and will decline approximately three percent each year, achieving GHG emission reductions throughout the program's duration. The passage of AB 398 in July 2017 extended the duration of the Cap and Trade program from 2020 to 2030. With continued implementation of various statewide measures, the project's operational energy and mobile source emissions would continue to decline in the future.

As discussed in Impact Statement GHG-2, below, the proposed development would be constructed in compliance with the City's Council Policy 6-32 and the City's Green Building Ordinance which will ensure operational emissions reductions consistent with the 2030 GHG Reduction Strategy. The proposed project, therefore, would be consistent with the City's GHG Reduction and General Plan and would have a less than significant GHG emissions impact.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

**Threshold (b) Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases.**

The City of San José 2030 Greenhouse Gas Reduction Strategy (GHGRS) serves as a Qualified Climate Action Plan for purposes of tiering and streamlining under CEQA. The City's Development Compliance Checklist serves to apply the relevant General Plan and 2030 GHGRS policies. Implementation of applicable reduction actions in new development projects will help the City achieve incremental reductions toward its target. It should be noted that the Development Compliance Checklist serves as a guide to help the City understand which strategies new development would achieve. Projects do not need to be strictly consistent with each and every policy. Consistency with Table A, Strategy 1 (Consistency with the Land Use/Transportation Diagram [Land Use and Density]) and compliance with Table B (2030 Greenhouse Gas Reduction Strategy Compliance) are the primary basis for consistency with the GHGRS. Refer to **Appendix A** for completed checklist.

Projects that propose alternative GHG mitigation measures must also complete Section C (Alternative Project Measures and Additional GHG Reductions). As discussed above, the project would be

constructed in accordance with the latest California Building Code and green building regulations/CalGreen. The proposed development would be constructed in compliance with the City's Council Policy 6-32 and the City's Green Building Ordinance. The project would include a number of travel demand measures (TDM) such as mix of land uses and ride sharing. These TDM measures would help reduce vehicle miles traveled (VMT) and mobile greenhouse gas emissions. Pursuant to CEQA Guidelines Sections 15064(h)(3), 15130(d), and 15183(b), a project's incremental contribution to a cumulative GHG emissions effect may be determined not to be cumulatively considerable if it complies with the requirements of the Greenhouse Gas Reduction Strategy.

Per General Plan Policy IP -3.7 and Policy IP-17.2, the GHGRS demonstrates progress towards achieving required State GHG reduction targets and allows the City to develop and maintain a GHGRS that reduces GHG emissions within the City. As noted in the comment, local governments may prepare a GHGRS that can be used for CEQA review of subsequent plans and projects that are consistent with the GHG reduction strategies and targets. The GHGRS must address GHG emissions at a communitywide and municipal operations level to determine most effective and efficient method to reduce GHG emissions; identify reduction measures that promote goals of the General Plan; and implement reduction measures that achieve multiple City priorities (such as improving mobility and access, advancing local economic development, reducing household and business utility and transportation costs, improving public health, etc.).

The GHGRS has seven strategies to reduce GHG emissions to achieve the 2030 target. These strategies are in order of calculated MTCO<sub>2</sub>e/year reductions. For instance, GHGRS 1 San Jose Clean Energy is estimated to be approximately 655,104 MTCO<sub>2</sub>e/year reduction (page 55 of the GHGRS), or approximately 55 percent of the total emissions reductions per year for the City. While consistency with all seven strategies is the goal, as noted previously, compliance with GHGRS 1 is the primary criterion to ensure that the project is consistent with the City's reduction targets. The purpose of the Development Consistency Checklist is to apply the 2030 GHGRS to provide a streamlined review process for proposed new development projects subject to discretionary review and the environmental review under CEQA. Consistency with Consistency with Table A, Strategy 1 (Consistency with the Land Use/Transportation Diagram [Land Use and Density]) is the key criterion for determining consistency, because projects that are consistent with the Land Use/Transportation Diagram have already been accounted for in the 2030 GHGRS emissions and growth projections.

As shown **Table 5: 2030 GHGRS Table A - Project Compliance with General Plan Polices** and **Table 6: 2030 GHGRS Table B GHGRS Compliance**, the project would comply with the 2030 GHG Reduction Strategy. The Development Consistency Checklist applies to all discretionary reviews through the City's Planning, Building and Code Enforcement Department (PBCE). To help facilitate the implementation of the 2030 GHGRS, each strategy contains implementation information that identifies the strategy's GHG reduction potential in 2030, the performance standards associated with the GHG reduction estimates, and the initial implementation steps to help achieve the reduction levels. Compliance with applicable GHGRS policies will be enforced as standard conditions and would be verified during design review, plan check, and permit issuance.

Table 5: 2030 GHGRS Table A - Project Compliance with General Plan Polices

| General Plan Measures  | General Plan Policies  | Project Compliance  |
|--|--|---|
| <p><b>1) Consistency with the Land Use/Transportation Diagram (Land Use and Density)</b></p> | <p><i>Is the proposed project consistent with the Land Use/Transportation Diagram?</i></p>   | <p><b>Consistent.</b> The proposed project is consistent with the Land Use/Transportation Diagram.</p>  |
| <p><b>2) Implementation of Green Building Measures</b></p>                                   | <p><b>MS-2.2:</b> Encourage maximized use of on-site generation of renewable energy for all new and existing buildings.</p>  | <p><b>Consistent.</b> The project would be solar-ready by including building roof space and conduit infrastructure for a “Future PV Array” per California Code. The project would also enroll in San José Clean Energy (SJCE) GreenSource program which includes 40 percent renewable energy.</p>   |
|  | <p><b>MS-2.3:</b> Encourage consideration of solar orientation, including building placement, landscaping, design and construction techniques for new construction to minimize energy consumption.</p> | <p><b>Consistent.</b> The project would comply with the latest energy efficiency standards. The State goal is to increase the use of green building practices. The project would implement required green building strategies through existing regulation that requires the project to comply with various CalGreen requirements. Additionally, the project would be enrolled in San José Clean Energy (SJCE) GreenSource program which includes 40 percent renewable energy.</p> |
|  | <p><b>MS-2.7:</b> Encourage the installation of solar panels or other clean energy power generation sources over parking areas.</p>  | <p><b>Consistent.</b> This measure is to increase solar throughout California, which is being done by various electricity providers and existing solar programs. The project would be solar-ready by including building roof space and conduit infrastructure for a “Future PV Array” per California Code. Future tenants within the project would be able to take advantage of incentives that are in place at the time of construction.</p>                                     |

| General Plan Measures   | General Plan Policies  | Project Compliance   |
|---|--|--|
|   | <p><b>MS-2.11:</b> <i>Require new development to incorporate green building practices, including those required by the Green Building Ordinance. Specifically, target reduced energy use through construction techniques (e.g., design of building envelopes and systems to maximize energy performance), through architectural design (e.g., design to maximize cross ventilation and interior daylight) and through site design techniques (e.g., orienting buildings on sites to maximize the effectiveness of passive solar design).</i></p> | <p><b>Consistent.</b> The State goal is to increase the use of green building practices. The project would implement required green building strategies through existing regulation that requires the project to comply with various CalGreen requirements to reduce energy use.</p>   |
|   | <p><b>MS-16.2:</b> <i>Promote neighborhood-based distributed clean/renewable energy generation to improve local energy security and to reduce the amount of energy wasted in transmitting electricity over long distances.</i></p>   | <p><b>Consistent.</b> The project would be solar-ready by ensuring roof space and conduit infrastructure for “Future PV Array” per California Code. Additionally, the project would be enrolled in San José Clean Energy (SJCE) GreenSource program which includes 40 percent renewable energy.</p>  |
|   | <p><b>CD-2.1:</b> <i>Promote the Circulation Goals and Policies in the Envision San José 2040 General Plan. Create streets that promote pedestrian and bicycle transportation by following applicable goals and policies in the Circulation section of the Envision San José 2040 General Plan.</i></p>  | <p><b>Consistent.</b> The proposed project is in a heavy industrial area. There are existing Class II bike lanes on both sides of Old Bayshore Highway that will remain. The project would not alter existing street, pedestrian walkways or bike lanes. However, the proposed project would include 6 bicycle parking spaces as well as bicycle and pedestrian access on the driveways. Additionally, the project would include TDM measures discussed below.</p> |
| <p><b>3) Pedestrian, Bicycle &amp; Transit Site Design Measures</b></p> | <p><b>CD-2.5:</b> <i>Integrate Green Building Goals and Policies of the Envision San José 2040 General Plan into site design to create healthful environments. Consider factors such as shaded parking areas, pedestrian connections, minimization of impervious surfaces, incorporation of stormwater treatment measures, appropriate building orientations, etc.</i></p>   | <p><b>Consistent.</b> The proposed project would include landscaping and shading of the parking areas and walkways. Additionally, 18 percent of the site would be pervious. The project would comply with all applicable stormwater regulations.</p>   |

| General Plan Measures | General Plan Policies  | Project Compliance   |
|-----------------------|--|--|
|                       | <p><b>CD-2.11:</b> <i>Within the Downtown and Urban Village Overlay areas, consistent with the minimum density requirements of the pertaining Land Use/Transportation Diagram designation, avoid the construction of surface parking lots except as an interim use, so that long-term development of the site will result in a cohesive urban form. In these areas, whenever possible, use structured parking, rather than surface parking, to fulfill parking requirements. Encourage the incorporation of alternative uses, such as parks, above parking structures.</i></p> | <p><b>Not Applicable.</b> The proposed project is not located within the Downtown or Urban Village Overlay areas.</p>  |
|                       | <p><b>CD-3.2:</b> <i>Prioritize pedestrian and bicycle connections to transit, community facilities (including schools), commercial areas, and other areas serving daily needs. Ensure that the design of new facilities can accommodate significant anticipated future increases in bicycle and pedestrian activity.</i></p>  | <p><b>Consistent.</b> The proposed project would include 6 bicycle parking spaces as well as bicycle and pedestrian access on the driveways.</p>   |
|                       | <p><b>CD-3.4:</b> <i>Encourage pedestrian cross-access connections between adjacent properties and require pedestrian and bicycle connections to streets and other public spaces, with particular attention and priority given to providing convenient access to transit facilities. Provide pedestrian and vehicular connections with cross-access easements within and between new and existing developments to encourage walking and minimize interruptions by parking areas and curb cuts.</i></p>   | <p><b>Consistent</b> As discussed above, the proposed project would include bicycle parking spaces as well as access for bicyclists and pedestrian to access the site. This would promote safety and encourage employees to use alternative sources of transportation.</p> |
|                       | <p><b>LU-3.5:</b> <i>Balance the need for parking to support a thriving Downtown with the need to minimize the impacts of parking upon a vibrant pedestrian and transit oriented urban environment. Provide for the needs of bicyclists and pedestrians, including adequate bicycle parking areas and design measures to promote bicyclist and pedestrian safety.</i></p>  | <p><b>Not Applicable.</b> The project is not located in the Downtown area.</p>   |
|                       | <p><b>TR-2.8:</b> <i>Require new development to provide on-site facilities such as bicycle storage and</i></p>   | <p><b>Consistent.</b> The project includes connections to existing bicycle lane</p>  |

| General Plan Measures   | General Plan Policies   | Project Compliance  |
|---|---|---|
|   | <p><i>showers, provide connections to existing and planned facilities, dedicate land to expand existing facilities or provide new facilities such as sidewalks and/or bicycle lanes/paths, or share in the cost of improvements.</i></p>  | <p>facilities and bicycle parking.</p>  |
|   | <p><b>TR-7.1:</b> <i>Require large employers to develop TDM programs to reduce the vehicle trips and vehicle miles generated by their employees through the use of shuttles, provision for car-sharing, bicycle sharing, carpool, parking strategies, transit incentives and other measures.</i></p>  | <p><b>Consistent.</b> While the project is not a larger employee-generating use, the project would include TDM measures such as transit passes for employees, carpool and vanpool ride-matching services, bicycle parking, guaranteed ride home program, and a designated employee transportation coordinator onsite. These TDM measures would reduce trips and vehicle miles generated by employees.</p> |
|   | <p><b>TR-8.5:</b> <i>Promote participation in car share programs to minimize the need for parking spaces in new and existing development.</i></p>   | <p><b>Consistent.</b> The project would include TDM measures to reduce VMT and parking onsite such as transit passes for employees, carpool and vanpool ride-matching services, bicycle parking, guaranteed ride home program, and a designated employee transportation coordinator onsite.</p>   |
|   | <p><b>MS-3.1:</b> <i>Require water-efficient landscaping, which conforms to the State’s Model Water Efficient Landscape Ordinance, for all new commercial, institutional, industrial and developer-installed residential development unless for recreation needs or other area functions.</i></p>   | <p><b>Consistent.</b> The proposed project would comply with the State’s Model Water Efficient Landscape Ordinance and the City’s Water-Efficient Landscape Ordinance (Chapter 15.11 of the San José Municipal Code). project landscaping would include all water efficient landscaping.</p>  |
| <p><b>4) Water Conservation and Urban Forestry Measures</b></p> | <p><b>MS-3.2:</b> <i>Promote the use of green building technology or techniques that can help reduce the depletion of the City’s potable water supply, as building codes permit. For example, promote the use of captured rainwater, graywater, or recycled water as the preferred source for non-potable water needs such as irrigation and building cooling, consistent with Building Codes or other regulations.</i></p> | <p><b>Consistent.</b> The project includes low-flow fixtures and appliances. These measures are required by City Code. The project would comply with measures to increase water efficiency and green building techniques per building codes.</p>  |

| General Plan Measures | General Plan Policies  | Project Compliance   |
|-----------------------|--|--|
|                       | <p><b>MS-19.4:</b> <i>Require the use of recycled water wherever feasible and cost-effective to serve existing and new development.</i></p>  | <p><b>Consistent.</b> The City does not provide recycled water in the vicinity of the project site. The project would utilize recycled water for the outdoor landscaping based on availability.</p>                                |
|                       | <p><b>MS-21.3:</b> <i>Ensure that San José’s Community Forest is comprised of species that have low water requirements and are well adapted to its Mediterranean climate. Select and plant diverse species to prevent monocultures that are vulnerable to pest invasions. Furthermore, consider the appropriate placement of tree species and their lifespan to ensure the perpetuation of the Community Forest.</i></p> | <p><b>Consistent.</b> The project would comply with City landscaping requirements through plan check and design review processes. This would include water-efficient landscaping, pest resistance, and diversity requirements.</p> |
|                       | <p><b>MS-26.1:</b> <i>As a condition of new development, require the planting and maintenance of both street trees and trees on private property to achieve a level of tree coverage in compliance with and that implements City laws, policies or guidelines.</i></p>   | <p><b>Consistent.</b> The project would comply with City landscaping requirements and criteria to incorporate existing trees with new landscaping.</p>   |

| General Plan Measures | General Plan Policies  | Project Compliance  |
|-----------------------|--|---|
|                       | <p><b>ER-8.7:</b> <i>Encourage stormwater reuse for beneficial uses in existing infrastructure and future development through the installation of rain barrels, cisterns, or other water storage and reuse facilities.</i></p> | <p><b>Consistent.</b> The Municipal Regional Permit (MRP) allows development projects to use infiltration, evapotranspiration, harvesting and use, or biotreatment to treat full water quality design flow or volume of stormwater runoff, as specified in MRP Provision C.3.d. Project applicants are no longer required to evaluate the feasibility of infiltration of rainwater harvesting and use before proceeding to biotreatment. If a project applicant desires to use rainwater harvesting systems to meet LID treatment requirements, there must be sufficient demand on the project site to use the water quality design volume, i.e., 80% of the average annual rainfall runoff, from the collection area. Appendix I from SCVURPPP provides guidance on how to estimate the required landscaping or toilet flushing demand to meet C.3.d requirements. If the project appears to have sufficient demand for captured rainwater, Appendix I provides guidance on sizing the cistern (or other storage facility) to achieve the appropriate combination of drawdown time and cistern volume.</p> |

**Table 6: 2030 GHGRS Table B GHGRS Compliance**

| GHGRS Strategy and Consistency Options   | Project Consistency   |
|--|---|
| <p><b>Renewable Energy Development</b></p> <ol style="list-style-type: none"> <li>1. <i>Install solar panels, solar hot water, or other clean energy power generation sources on development sites,</i><br/>or</li> <li>2. <i>Participate in community solar programs to support development of renewable energy in the community,</i><br/>or</li> <li>3. <i>Participate in San José Clean Energy at the Total Green level (i.e., 100% carbon-free electricity) for electricity accounts associated with the project.</i></li> </ol> <p><b>Supports Strategies:</b><br/>GHGRS #1, GHGRS #3</p>                   | <p><b>Alternative Measure Proposed.</b> The project would be enrolled in San José Clean Energy (SJCE) GreenSource program which includes 40 percent renewable energy.</p>   |
| <p><b>Building Retrofits – Natural Gas<sup>3</sup></b></p> <p>This strategy only applies to projects that include a retrofit of an existing building. If the proposed project does not include a retrofit, select “Not Applicable” in the project Conformance column.</p> <ol style="list-style-type: none"> <li>1. <i>Replace an existing natural gas appliance with an electric alternative (e.g., space heater, water heater, clothes dryer),</i><br/>or</li> <li>2. <i>Replace an existing natural gas appliance with a high-efficiency model</i></li> </ol> <p><b>Supports Strategies:</b><br/>GHGRS #4</p> | <p><b>Not applicable.</b> The project does include a retrofit of the remaining structure. If natural gas water heater is present, it would be replaced with a high-efficiency model with the building renovation.</p>                       |
| <p><b>Zero Waste Goal</b></p> <ol style="list-style-type: none"> <li>1. <i>Provide space for organic waste (e.g., food scraps, yard waste) collection containers, and/or</i></li> <li>2. <i>Exceed the City’s construction &amp; demolition waste diversion requirement.</i></li> </ol> <p><b>Supports Strategies:</b><br/>GHGRS #5</p>  | <p><b>Consistent.</b> The proposed development includes an exterior trash enclosure with space for recycling and organic waste collection. Additionally, construction and demolition waste would be diverted to meet City requirements.</p> |

<sup>3</sup> GHGRS Strategy #4 applies to existing building retrofits and not to new construction; Strategy #2 applies to new construction to reduce natural gas related GHG emissions.

|   |  |
|---|--|
| <p><b>Caltrain Modernization</b></p> <p>1. For projects located within ½ mile of a Caltrain station, establish a program through which to provide project tenants and/or residents with free or reduced Caltrain passes<br/>or</p> <p>2. Develop a program that provides project tenants and/or residents with options to reduce their vehicle miles traveled (e.g., a TDM program), which could include transit passes, bike lockers and showers, or other strategies to reduce project related VMT.</p> <p><b>Supports Strategies:</b><br/>GHGRS #6</p> | <p><b>Not Applicable.</b> The proposed project is not located within ½ mile of a Caltrain station. Therefore, this strategy is not applicable to the project.</p>  |
| <p><b>Water Conservation</b></p> <p>1. Install high-efficiency appliances/fixtures to reduce water use, and/or include water-sensitive landscape design,<br/>and/or</p> <p>2. Provide access to reclaimed water for outdoor water use on the project site.</p> <p><b>Supports Strategies:</b> GHGRS#7</p>   | <p><b>Consistent.</b> The proposed project would comply with water conservation per the California Green Building Standards Code, which requires a 20 percent reduction in indoor water use. The project would include low flow appliances and fixtures. The project would also comply with the City’s Water-Efficient Landscape Ordinance (Chapter 15.11 of the San José Municipal Code).</p> |

As demonstrated in **Table 5** and **Table 6**, the project would not conflict with the 2030 GHGRS Table A General Plan Policies or the 2030 GHGRS Table B Strategies, respectively. The GHGRS Strategies focus on:

- The City providing access to clean energy (via the San José Clean Energy program) (GHGRS#1)
- Implementing building codes, improving energy efficiency and alternative energy requirements, as well as providing technical assistance and supportive financial incentives (GHGRS#2 and #3)
- Reduce the use of natural gas appliances and equipment (GHGRS#4)
- City solid waste diversion goals (GHGRS #5) and improving water conservation requirements (GHGRS#7)
- Enhance local transit opportunities for projects within ½ mile of a Caltrain station (GHGRS#6)

The seven strategies focus on City clean energy programs and energy efficiency standards. As discussed in **Table 6**, the project would be consistent with the GHGRS strategies and would comply with all building code energy efficiency requirements, City code energy efficiency requirements, and solid waste diversion requirements. The project would benefit from the availability of clean energy via the San José Clean Energy program. Additionally, the project would not include natural gas appliances or equipment. Therefore, as the project would be consistent with the GHGRS, GHG impacts would be less than significant.

### CARB Scoping Plan

The California State Legislature adopted AB 32 in 2006. AB 32 focuses on reducing GHGs (carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride) to 1990 levels by the year 2020. Pursuant to the requirements in AB 32, CARB adopted the Climate Change Scoping Plan (Scoping Plan) in 2008, which outlines actions recommended to obtain that goal. The Scoping Plan provides a range of GHG reduction actions that include direct regulations, alternative compliance mechanisms, monetary and non-monetary incentives, voluntary actions, market-based mechanisms such as the cap-and-trade program, and an AB 32 implementation fee to fund the program.

The latest CARB Climate Change Scoping Plan (2017) outlines the state’s strategy to reduce state’s GHG emissions to return to 40 percent below 1990 levels by 2030 pursuant to SB 32. The CARB Scoping Plan is applicable to state agencies and is not directly applicable to cities/counties and individual projects. Nonetheless, the Scoping Plan has been the primary tool that is used to develop performance-based and efficiency-based CEQA criteria and GHG reduction targets for climate action planning efforts.

The 2017 Scoping Plan Update identifies additional GHG reduction measures necessary to achieve the 2030 target. These measures build upon those identified in the First Update to the Climate Change Scoping Plan (2013). Although a number of these measures are currently established as policies and measures, some measures have not yet been formally proposed or adopted. It is expected that these measures or similar actions to reduce GHG emissions would be adopted as required to achieve statewide GHG emissions targets. As shown in **Table 7: Project Consistency with Applicable CARB Scoping Plan Measures**, the project is consistent with most of the strategies, while others are not applicable to the project.

**Table 7: Project Consistency with Applicable CARB Scoping Plan Measures**

| Scoping Plan Sector | Scoping Plan Measure  | Implementing Regulations   | Project Consistency  |
|---------------------|---|--|--|
| Transportation      | California Cap-and-Trade Program Linked to Western Climate Initiative | Regulation for the California Cap on Greenhouse Gas Emissions and Market-Based Compliance Mechanism October 20, 2015 (CCR 95800) | <b>Consistent.</b> The Cap-and-Trade Program applies to large industrial sources such as power plants, refineries, and cement manufacturers. However, the regulation indirectly affects people who use the products and services produced by these industrial sources when increased cost of products or services (such as electricity and fuel) are transferred to the consumers. The Cap-and-Trade Program |

| Scoping Plan Sector | Scoping Plan Measure  | Implementing Regulations  | Project Consistency  |
|---------------------|---|---|--|
|                     |   |   | <p>covers the GHG emissions associated with electricity consumed in California, whether generated in-state or imported. Accordingly, GHG emissions associated with CEQA projects' electricity usage are covered by the Cap-and-Trade Program. The Cap-and-Trade Program also covers fuel suppliers (natural gas and propane fuel providers and transportation fuel providers) to address emissions from such fuels and from combustion of other fossil fuels not directly covered at large sources in the Program's first compliance period.</p> |
|                     | <p>California Light-Duty Vehicle Greenhouse Gas Standards</p> | <p>Pavley I 2005 Regulations to Control GHG Emissions from Motor Vehicles</p>   | <p><b>Consistent.</b> This measure applies to all new vehicles starting with model year 2012. The project would not conflict with its implementation as it would apply to all new passenger vehicles purchased in California. Passenger vehicles, model year 2012 and later, associated with construction and operation of the project would be required to comply with the Pavley emissions standards.</p>  |
|                     |   | <p>2012 LEV III Amendments to the California Greenhouse Gas and Criteria Pollutant Exhaust and Evaporative Emission Standards</p> | <p><b>Consistent.</b> The LEV III amendments provide reductions from new vehicles sold in California between 2017 and 2025. Passenger vehicles associated with the site would comply with LEV III standards.</p>   |
|                     | <p>Low Carbon Fuel Standard</p>                               | <p>2009 readopted in 2015. Regulations to Achieve Greenhouse Gas Emission Reductions Subarticle</p>                               | <p><b>Consistent.</b> This measure applies to transportation fuels utilized by vehicles in California. The project would not conflict with implementation of this measure.</p>   |

| Scoping Plan Sector         | Scoping Plan Measure                                   | Implementing Regulations  | Project Consistency   |
|-----------------------------|--|---|---|
|                             |  | 7. Low Carbon Fuel Standard CCR 95480   | Motor vehicles associated with construction and operation of the project would utilize low carbon transportation fuels as required under this measure.  |
|                             | Regional Transportation-Related Greenhouse Gas Targets | SB 375. Cal. Public Resources Code §§ 21155, 21155.1, 21155.2, 21159.28   | <b>Consistent.</b> The project would provide development in the region that is consistent with the growth projections in the Regional Transportation Plan/Sustainable Communities Strategy (SCS) (Plan Bay Area 2040).  |
|                             | Goods Movement   | Goods Movement Action Plan January 2007   | <b>Not applicable.</b> The project does not propose any changes to maritime, rail, or intermodal facilities or forms of transportation.   |
|                             | Medium/Heavy-Duty Vehicle                              | 2010 Amendments to the Truck and Bus Regulation, the Drayage Truck Regulation and the Tractor-Trailer Greenhouse Gas Regulation | <b>Consistent.</b> This measure applies to medium and heavy-duty vehicles that operate in the state. The project would not conflict with implementation of this measure. Medium and heavy-duty vehicles associated with construction and operation of the project would be required to comply with the requirements of this regulation. |
|                             | High Speed Rail  | Funded under SB 862   | <b>Not applicable.</b> This is a statewide measure that cannot be implemented by a project Applicant or Lead Agency.  |
| Electricity and Natural Gas | Energy Efficiency                                      | Title 20 Appliance Efficiency Regulation  | <b>Consistent.</b> The project would not conflict with implementation of this measure. The project would comply with the latest energy efficiency standards.  |
|                             |  | Title 24 Part 6 Energy Efficiency Standards for Residential and Non-Residential Building  |   |
|                             |  | Title 24 Part 11 California Green   |   |

| Scoping Plan Sector         | Scoping Plan Measure   | Implementing Regulations   | Project Consistency   |
|-----------------------------|--|--|---|
|                             |  | Building Code Standards  |   |
|                             | Renewable Portfolio Standard/Renewable Electricity Standard. | 2010 Regulation to Implement the Renewable Electricity Standard (33% 2020)   | <b>Consistent.</b> The project would obtain electricity from the electric utility company, PG&E. PG&E obtained 39 percent of its power supply from renewable sources in 2018. Therefore, the utility would provide power when needed on site that is composed of a greater percentage of renewable sources. |
|                             |  | SB 350 Clean Energy and Pollution Reduction Act of 2015 (50% 2030)   |   |
| Million Solar Roofs Program | Tax incentive program  | <b>Consistent.</b> This measure is to increase solar throughout California, which is being done by various electricity providers and existing solar programs. Future tenants within the project would be able to take advantage of incentives that are in place at the time of construction. |   |
| Water                       | Water  | Title 24 Part 11 California Green Building Code Standards  | <b>Consistent.</b> The project would comply with the California Green Building Standards Code, which requires a 20 percent reduction in indoor water use. The project would also comply with the City's Water-Efficient Landscape Ordinance (Chapter 15.11 of the San José Municipal Code).                 |
|                             |  | SBX 7-7—The Water Conservation Act of 2009   |   |
|                             |  | Model Water Efficient Landscape Ordinance  |   |
| Green Buildings             | Green Building Strategy                                      | Title 24 Part 11 California Green Building Code Standards  | <b>Consistent.</b> The State goal is to increase the use of green building practices. The project would implement required green building strategies through existing regulation that requires the project to comply with various CalGreen requirements.  |

| Scoping Plan Sector   | Scoping Plan Measure                | Implementing Regulations   | Project Consistency   |
|---|-------------------------------------|--|---|
| Industry  | Industrial Emissions                | 2010 CARB Mandatory Reporting Regulation                         | <b>Consistent.</b> The project includes light industrial uses such as a warehouse. However, the project would comply with CARB Mandatory Reporting Regulation.  |
| Recycling and Waste Management  | Recycling and Waste                 | Title 24 Part 11 California Green Building Code Standards        | <b>Consistent.</b> The project would not conflict with implementation of these measures. The project is required to achieve the recycling mandates via compliance with the CALGreen code. The City has consistently achieved its state recycling mandates.  |
|   |                                     | AB 341 Statewide 75 Percent Diversion Goal                       |   |
| Forests   | Sustainable Forests                 | Cap and Trade Offset Projects                                    | <b>Not applicable.</b> The project site is an existing disturbed site located in an urban area. No forested lands exist on-site.  |
| High Global Warming Potential   | High Global Warming Potential Gases | CARB Refrigerant Management Program CCR 95380                    | <b>Not applicable.</b> The regulations are applicable to refrigerants used by large air conditioning systems and large commercial and industrial refrigerators and cold storage system. The project is not expected to use large systems subject to the refrigerant management regulations adopted by CARB. |
| Agriculture   | Agriculture                         | Cap and Trade Offset Projects for Livestock and Rice Cultivation | <b>Not applicable.</b> The project site is an infill site. No grazing, feedlot or other agricultural activities that generate manure currently exist on-site or are proposed to be implemented by the project.  |
| Source: California Air Resources Board (CARB), <i>California's 2017 Climate Change Scoping Plan</i> , 2017b and CARB, <i>Climate Change Scoping Plan</i> , December 2008. |                                     |  |   |

As demonstrated in **Table 7**, the project would not conflict with the CARB Scoping Plan. As discussed above, the Scoping Plan reflects the 2030 target of a 40 percent reduction below 1990 levels, set by Executive Order B-30-15 and codified by SB 32. GHG emissions caused by long-term operation of the proposed would be less than significant.

Appendix B, Local Action, of the 2017 CARB Scoping Plan lists potential actions that support the State's climate goals. However, the Scoping Plan notes that the applicability and performance of the actions may vary across the regions. The document is organized into two categories (A) examples of plan-level GHG reduction actions that could be implemented by local governments and (B) examples of on-site project design features, mitigation measures, that could be required of individual projects under CEQA, if feasible, when the local jurisdiction is the lead agency.

The project would implement a number of the Standard Permit Conditions during construction. For example, a few of the construction measures include enforcing idling time restrictions on construction vehicles, use of added exhaust muffling and filtering devices, replant vegetation in disturbed areas as quickly as possible, and posting a publicly visible sign with the telephone number and person at the lead agency to contact regarding dust complaints. As indicated above, GHG reductions are also achieved as a result of State of California energy and water efficiency requirements for new non-residential developments. These efficiency improvements correspond to reductions in secondary GHG emissions. For example, in California, most of the electricity that powers homes is derived from natural gas combustion. Therefore, energy saving measures, such as Title 24, reduces GHG emissions from the power generation facilities by reducing load demand.

The project would be required to comply with existing regulations, including applicable measures from the City's General Plan, or would be directly affected by the outcomes (vehicle trips and energy consumption would be less carbon intensive due to statewide compliance with future low carbon fuel standard amendments and increasingly stringent Renewable Portfolio Standards). As such, the project would not conflict with any other state-level regulations pertaining to GHGs.

Regarding goals for 2050 under Executive Order S-3-05, at this time it is not possible to quantify the emissions savings from future regulatory measures, as they have not yet been developed; nevertheless, it can be anticipated that operation of the project would benefit from implementation of current and potential future regulations (e.g., improvements in vehicle emissions, SB 100/renewable electricity portfolio improvements, etc.) enacted to meet an 80 percent reduction below 1990 levels by 2050.

### **Plan Bay Area**

The project would be consistent with the overall goals of Plan Bay Area 2040 to provide housing, healthy and safe communities, and climate protection with an overall goal to reduce VMT. As noted above, the project would develop the project site with light industrial uses consistent with the General Plan. The project would add some additional employment, trips related to employees that work directly at the project site. Thus, implementation of the project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs, and this impact would be less than significant.

**Mitigation Measures:** No mitigation is required.

**Level of Significance:** Less than significant impact.

## **Appendix A**

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### **Air Quality and GHG Data**

Existing Old Bayshore - Santa Clara County, Summer

**Existing Old Bayshore  
Santa Clara County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses     | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|---------------|--------|----------|-------------|--------------------|------------|
| Manufacturing | 74.00  | 1000sqft | 1.70        | 74,000.00          | 0          |
| Parking Lot   | 195.00 | 1000sqft | 4.48        | 195,000.00         | 0          |

**1.2 Other Project Characteristics**

|                                |                                |                                |       |                                  |       |
|--------------------------------|--------------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                          | <b>Wind Speed (m/s)</b>        | 2.2   | <b>Precipitation Freq (Days)</b> | 58    |
| <b>Climate Zone</b>            | 4                              |                                |       | <b>Operational Year</b>          | 2021  |
| <b>Utility Company</b>         | Pacific Gas & Electric Company |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 641.35                         | <b>CH4 Intensity (lb/MWhr)</b> | 0.029 | <b>N2O Intensity (lb/MWhr)</b>   | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use -
- Construction Phase - Existing - no construction
- Grading -
- Vehicle Trips - Per trip gen memo
- Construction Off-road Equipment Mitigation - BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - Per AB 939

| Table Name             | Column Name                     | Default Value | New Value   |
|------------------------|---------------------------------|---------------|-------------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction  | 0             | 6           |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0             | 12          |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed    | 0             | 15          |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 230.00        | 0.00        |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 10.00         | 0.00        |
| tblVehicleEF           | HHD                             | 0.49          | 0.18        |
| tblVehicleEF           | HHD                             | 0.06          | 0.12        |
| tblVehicleEF           | HHD                             | 0.10          | 8.1737e-008 |
| tblVehicleEF           | HHD                             | 2.56          | 4.46        |
| tblVehicleEF           | HHD                             | 1.00          | 0.83        |
| tblVehicleEF           | HHD                             | 3.70          | 2.6658e-004 |
| tblVehicleEF           | HHD                             | 4,606.33      | 820.85      |
| tblVehicleEF           | HHD                             | 1,643.47      | 1,597.81    |
| tblVehicleEF           | HHD                             | 11.51         | 0.04        |
| tblVehicleEF           | HHD                             | 21.11         | 4.25        |
| tblVehicleEF           | HHD                             | 4.02          | 2.63        |
| tblVehicleEF           | HHD                             | 19.48         | 2.09        |
| tblVehicleEF           | HHD                             | 0.02          | 4.0021e-003 |
| tblVehicleEF           | HHD                             | 0.06          | 0.08        |
| tblVehicleEF           | HHD                             | 0.04          | 0.03        |
| tblVehicleEF           | HHD                             | 0.02          | 0.04        |
| tblVehicleEF           | HHD                             | 1.0300e-004   | 1.4534e-006 |
| tblVehicleEF           | HHD                             | 0.02          | 3.8250e-003 |
| tblVehicleEF           | HHD                             | 0.03          | 0.03        |
| tblVehicleEF           | HHD                             | 8.8230e-003   | 8.3699e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.02        | 0.03        |
| tblVehicleEF | HHD | 9.4000e-005 | 1.3363e-006 |
| tblVehicleEF | HHD | 1.0400e-004 | 4.2382e-004 |
| tblVehicleEF | HHD | 5.6370e-003 | 1.2606e-004 |
| tblVehicleEF | HHD | 0.65        | 0.31        |
| tblVehicleEF | HHD | 6.4000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.14        | 0.05        |
| tblVehicleEF | HHD | 4.9200e-004 | 1.1356e-003 |
| tblVehicleEF | HHD | 0.11        | 4.4434e-007 |
| tblVehicleEF | HHD | 0.04        | 7.3233e-003 |
| tblVehicleEF | HHD | 0.02        | 0.01        |
| tblVehicleEF | HHD | 1.7700e-004 | 3.6793e-007 |
| tblVehicleEF | HHD | 1.0400e-004 | 4.2382e-004 |
| tblVehicleEF | HHD | 5.6370e-003 | 1.2606e-004 |
| tblVehicleEF | HHD | 0.76        | 0.53        |
| tblVehicleEF | HHD | 6.4000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.21        | 0.17        |
| tblVehicleEF | HHD | 4.9200e-004 | 1.1356e-003 |
| tblVehicleEF | HHD | 0.12        | 4.8650e-007 |
| tblVehicleEF | HHD | 0.47        | 8.1687e-003 |
| tblVehicleEF | HHD | 0.06        | 8.9526e-003 |
| tblVehicleEF | HHD | 0.09        | 0.07        |
| tblVehicleEF | HHD | 1.86        | 0.19        |
| tblVehicleEF | HHD | 1.01        | 1.19        |
| tblVehicleEF | HHD | 3.40        | 2.95        |
| tblVehicleEF | HHD | 4,878.22    | 36.30       |
| tblVehicleEF | HHD | 1,643.47    | 374.36      |
| tblVehicleEF | HHD | 11.51       | 70.20       |
| tblVehicleEF | HHD | 21.79       | 0.18        |
| tblVehicleEF | HHD | 3.87        | 0.17        |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 19.45       | 0.35        |
| tblVehicleEF | HHD | 0.02        | 1.6201e-004 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1837e-003 |
| tblVehicleEF | HHD | 0.02        | 2.9917e-003 |
| tblVehicleEF | HHD | 1.0300e-004 | 2.2279e-003 |
| tblVehicleEF | HHD | 0.02        | 1.5482e-004 |
| tblVehicleEF | HHD | 0.03        | 3.8152e-003 |
| tblVehicleEF | HHD | 8.8230e-003 | 2.2959e-003 |
| tblVehicleEF | HHD | 0.02        | 2.8115e-003 |
| tblVehicleEF | HHD | 9.4000e-005 | 2.0485e-003 |
| tblVehicleEF | HHD | 2.3900e-004 | 0.44        |
| tblVehicleEF | HHD | 6.0710e-003 | 0.11        |
| tblVehicleEF | HHD | 0.62        | 0.01        |
| tblVehicleEF | HHD | 1.3800e-004 | 0.00        |
| tblVehicleEF | HHD | 0.14        | 0.02        |
| tblVehicleEF | HHD | 4.7900e-004 | 0.26        |
| tblVehicleEF | HHD | 0.11        | 0.33        |
| tblVehicleEF | HHD | 0.05        | 3.2375e-004 |
| tblVehicleEF | HHD | 0.02        | 3.6439e-003 |
| tblVehicleEF | HHD | 1.7200e-004 | 6.9404e-004 |
| tblVehicleEF | HHD | 2.3900e-004 | 0.44        |
| tblVehicleEF | HHD | 6.0710e-003 | 0.11        |
| tblVehicleEF | HHD | 0.71        | 0.02        |
| tblVehicleEF | HHD | 1.3800e-004 | 0.00        |
| tblVehicleEF | HHD | 0.21        | 0.03        |
| tblVehicleEF | HHD | 4.7900e-004 | 0.26        |
| tblVehicleEF | HHD | 0.12        | 0.36        |
| tblVehicleEF | HHD | 0.53        | 8.1006e-003 |
| tblVehicleEF | HHD | 0.06        | 8.6483e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.11        | 0.09        |
| tblVehicleEF | HHD | 3.52        | 0.20        |
| tblVehicleEF | HHD | 1.00        | 0.88        |
| tblVehicleEF | HHD | 3.97        | 4.42        |
| tblVehicleEF | HHD | 4,230.85    | 36.56       |
| tblVehicleEF | HHD | 1,643.47    | 348.74      |
| tblVehicleEF | HHD | 11.51       | 72.93       |
| tblVehicleEF | HHD | 20.18       | 0.20        |
| tblVehicleEF | HHD | 4.08        | 0.19        |
| tblVehicleEF | HHD | 19.50       | 0.41        |
| tblVehicleEF | HHD | 0.02        | 1.9890e-004 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1837e-003 |
| tblVehicleEF | HHD | 0.02        | 2.9917e-003 |
| tblVehicleEF | HHD | 1.0300e-004 | 2.2279e-003 |
| tblVehicleEF | HHD | 0.02        | 1.9012e-004 |
| tblVehicleEF | HHD | 0.03        | 3.8152e-003 |
| tblVehicleEF | HHD | 8.8230e-003 | 2.2959e-003 |
| tblVehicleEF | HHD | 0.02        | 2.8115e-003 |
| tblVehicleEF | HHD | 9.4000e-005 | 2.0485e-003 |
| tblVehicleEF | HHD | 5.4000e-005 | 0.30        |
| tblVehicleEF | HHD | 5.9130e-003 | 0.09        |
| tblVehicleEF | HHD | 0.71        | 0.01        |
| tblVehicleEF | HHD | 3.3000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.14        | 0.01        |
| tblVehicleEF | HHD | 5.4600e-004 | 0.25        |
| tblVehicleEF | HHD | 0.12        | 0.45        |
| tblVehicleEF | HHD | 0.04        | 3.2626e-004 |
| tblVehicleEF | HHD | 0.02        | 3.3906e-003 |
| tblVehicleEF | HHD | 1.8100e-004 | 7.2099e-004 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 5.4000e-005 | 0.30        |
| tblVehicleEF | HHD | 5.9130e-003 | 0.09        |
| tblVehicleEF | HHD | 0.81        | 0.02        |
| tblVehicleEF | HHD | 3.3000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.21        | 0.03        |
| tblVehicleEF | HHD | 5.4600e-004 | 0.25        |
| tblVehicleEF | HHD | 0.13        | 0.49        |
| tblVehicleEF | LDA | 4.1020e-003 | 2.9990e-003 |
| tblVehicleEF | LDA | 6.2620e-003 | 0.08        |
| tblVehicleEF | LDA | 0.57        | 0.83        |
| tblVehicleEF | LDA | 1.33        | 3.59        |
| tblVehicleEF | LDA | 254.67      | 266.54      |
| tblVehicleEF | LDA | 59.39       | 69.17       |
| tblVehicleEF | LDA | 0.05        | 0.06        |
| tblVehicleEF | LDA | 0.08        | 0.28        |
| tblVehicleEF | LDA | 0.04        | 7.2660e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6890e-003 | 1.3087e-003 |
| tblVehicleEF | LDA | 2.2650e-003 | 2.1596e-003 |
| tblVehicleEF | LDA | 0.02        | 2.5431e-003 |
| tblVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA | 1.5560e-003 | 1.2036e-003 |
| tblVehicleEF | LDA | 2.0820e-003 | 1.9857e-003 |
| tblVehicleEF | LDA | 0.03        | 0.31        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.03        | 0.00        |
| tblVehicleEF | LDA | 0.01        | 0.01        |
| tblVehicleEF | LDA | 0.04        | 0.24        |
| tblVehicleEF | LDA | 0.08        | 0.38        |
| tblVehicleEF | LDA | 2.5500e-003 | 2.6350e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 6.1600e-004 | 6.8382e-004 |
| tblVehicleEF | LDA | 0.03        | 0.31        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.03        | 0.00        |
| tblVehicleEF | LDA | 0.02        | 0.02        |
| tblVehicleEF | LDA | 0.04        | 0.24        |
| tblVehicleEF | LDA | 0.09        | 0.41        |
| tblVehicleEF | LDA | 4.5670e-003 | 3.9967e-003 |
| tblVehicleEF | LDA | 5.1860e-003 | 0.05        |
| tblVehicleEF | LDA | 0.67        | 1.07        |
| tblVehicleEF | LDA | 1.05        | 2.49        |
| tblVehicleEF | LDA | 274.58      | 179.63      |
| tblVehicleEF | LDA | 59.39       | 47.96       |
| tblVehicleEF | LDA | 0.05        | 0.07        |
| tblVehicleEF | LDA | 0.07        | 0.20        |
| tblVehicleEF | LDA | 0.04        | 6.4212e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6890e-003 | 1.4170e-003 |
| tblVehicleEF | LDA | 2.2650e-003 | 1.8642e-003 |
| tblVehicleEF | LDA | 0.02        | 2.2474e-003 |
| tblVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA | 1.5560e-003 | 1.3156e-003 |
| tblVehicleEF | LDA | 2.0820e-003 | 1.7142e-003 |
| tblVehicleEF | LDA | 0.08        | 0.45        |
| tblVehicleEF | LDA | 0.12        | 0.10        |
| tblVehicleEF | LDA | 0.06        | 0.00        |
| tblVehicleEF | LDA | 0.01        | 0.02        |
| tblVehicleEF | LDA | 0.04        | 0.27        |
| tblVehicleEF | LDA | 0.07        | 0.27        |
| tblVehicleEF | LDA | 2.7510e-003 | 1.7743e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 6.1200e-004 | 4.7414e-004 |
| tblVehicleEF | LDA | 0.08        | 0.45        |
| tblVehicleEF | LDA | 0.12        | 0.10        |
| tblVehicleEF | LDA | 0.06        | 0.00        |
| tblVehicleEF | LDA | 0.02        | 0.03        |
| tblVehicleEF | LDA | 0.04        | 0.27        |
| tblVehicleEF | LDA | 0.08        | 0.30        |
| tblVehicleEF | LDA | 3.9950e-003 | 3.6675e-003 |
| tblVehicleEF | LDA | 7.0990e-003 | 0.07        |
| tblVehicleEF | LDA | 0.56        | 0.79        |
| tblVehicleEF | LDA | 1.55        | 3.78        |
| tblVehicleEF | LDA | 251.39      | 165.80      |
| tblVehicleEF | LDA | 59.39       | 50.36       |
| tblVehicleEF | LDA | 0.06        | 0.09        |
| tblVehicleEF | LDA | 0.09        | 0.24        |
| tblVehicleEF | LDA | 0.04        | 6.4212e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6890e-003 | 1.4170e-003 |
| tblVehicleEF | LDA | 2.2650e-003 | 1.8642e-003 |
| tblVehicleEF | LDA | 0.02        | 2.2474e-003 |
| tblVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA | 1.5560e-003 | 1.3156e-003 |
| tblVehicleEF | LDA | 2.0820e-003 | 1.7142e-003 |
| tblVehicleEF | LDA | 0.02        | 0.30        |
| tblVehicleEF | LDA | 0.11        | 0.09        |
| tblVehicleEF | LDA | 0.01        | 0.00        |
| tblVehicleEF | LDA | 0.01        | 0.02        |
| tblVehicleEF | LDA | 0.05        | 0.27        |
| tblVehicleEF | LDA | 0.10        | 0.38        |
| tblVehicleEF | LDA | 2.5170e-003 | 1.6376e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDA  | 6.2000e-004 | 4.9790e-004 |
| tblVehicleEF | LDA  | 0.02        | 0.30        |
| tblVehicleEF | LDA  | 0.11        | 0.09        |
| tblVehicleEF | LDA  | 0.01        | 0.00        |
| tblVehicleEF | LDA  | 0.01        | 0.02        |
| tblVehicleEF | LDA  | 0.05        | 0.27        |
| tblVehicleEF | LDA  | 0.10        | 0.41        |
| tblVehicleEF | LDT1 | 0.01        | 8.4967e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.13        |
| tblVehicleEF | LDT1 | 1.23        | 1.82        |
| tblVehicleEF | LDT1 | 2.89        | 6.48        |
| tblVehicleEF | LDT1 | 312.93      | 340.86      |
| tblVehicleEF | LDT1 | 72.25       | 90.33       |
| tblVehicleEF | LDT1 | 0.12        | 0.18        |
| tblVehicleEF | LDT1 | 0.16        | 0.45        |
| tblVehicleEF | LDT1 | 0.04        | 9.2118e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.3880e-003 | 2.3494e-003 |
| tblVehicleEF | LDT1 | 3.1640e-003 | 3.3991e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.2241e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.1990e-003 | 2.1646e-003 |
| tblVehicleEF | LDT1 | 2.9100e-003 | 3.1257e-003 |
| tblVehicleEF | LDT1 | 0.09        | 0.67        |
| tblVehicleEF | LDT1 | 0.24        | 0.19        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.04        |
| tblVehicleEF | LDT1 | 0.17        | 0.55        |
| tblVehicleEF | LDT1 | 0.20        | 0.67        |
| tblVehicleEF | LDT1 | 3.1440e-003 | 3.3673e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 7.7300e-004 | 8.9305e-004 |
| tblVehicleEF | LDT1 | 0.09        | 0.67        |
| tblVehicleEF | LDT1 | 0.24        | 0.19        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.06        |
| tblVehicleEF | LDT1 | 0.17        | 0.55        |
| tblVehicleEF | LDT1 | 0.21        | 0.73        |
| tblVehicleEF | LDT1 | 0.01        | 4.0137e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.08        |
| tblVehicleEF | LDT1 | 1.42        | 1.36        |
| tblVehicleEF | LDT1 | 2.27        | 3.44        |
| tblVehicleEF | LDT1 | 336.30      | 388.22      |
| tblVehicleEF | LDT1 | 72.25       | 92.37       |
| tblVehicleEF | LDT1 | 0.11        | 0.08        |
| tblVehicleEF | LDT1 | 0.14        | 0.37        |
| tblVehicleEF | LDT1 | 0.04        | 8.9225e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.3880e-003 | 1.4897e-003 |
| tblVehicleEF | LDT1 | 3.1640e-003 | 2.3033e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.1990e-003 | 1.3703e-003 |
| tblVehicleEF | LDT1 | 2.9100e-003 | 2.1178e-003 |
| tblVehicleEF | LDT1 | 0.22        | 0.42        |
| tblVehicleEF | LDT1 | 0.27        | 0.10        |
| tblVehicleEF | LDT1 | 0.15        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.02        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.16        | 0.39        |
| tblVehicleEF | LDT1 | 3.3800e-003 | 3.8380e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 7.6200e-004 | 9.1319e-004 |
| tblVehicleEF | LDT1 | 0.22        | 0.42        |
| tblVehicleEF | LDT1 | 0.27        | 0.10        |
| tblVehicleEF | LDT1 | 0.15        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.02        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.18        | 0.43        |
| tblVehicleEF | LDT1 | 9.8780e-003 | 3.6523e-003 |
| tblVehicleEF | LDT1 | 0.02        | 0.11        |
| tblVehicleEF | LDT1 | 1.21        | 0.99        |
| tblVehicleEF | LDT1 | 3.40        | 5.16        |
| tblVehicleEF | LDT1 | 309.08      | 360.71      |
| tblVehicleEF | LDT1 | 72.25       | 95.57       |
| tblVehicleEF | LDT1 | 0.14        | 0.11        |
| tblVehicleEF | LDT1 | 0.18        | 0.46        |
| tblVehicleEF | LDT1 | 0.04        | 8.9225e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.3880e-003 | 1.4897e-003 |
| tblVehicleEF | LDT1 | 3.1640e-003 | 2.3033e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.1990e-003 | 1.3703e-003 |
| tblVehicleEF | LDT1 | 2.9100e-003 | 2.1178e-003 |
| tblVehicleEF | LDT1 | 0.05        | 0.29        |
| tblVehicleEF | LDT1 | 0.26        | 0.08        |
| tblVehicleEF | LDT1 | 0.04        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.02        |
| tblVehicleEF | LDT1 | 0.20        | 0.24        |
| tblVehicleEF | LDT1 | 0.22        | 0.53        |
| tblVehicleEF | LDT1 | 3.1050e-003 | 3.5660e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 7.8200e-004 | 9.4485e-004 |
| tblVehicleEF | LDT1 | 0.05        | 0.29        |
| tblVehicleEF | LDT1 | 0.26        | 0.08        |
| tblVehicleEF | LDT1 | 0.04        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.02        |
| tblVehicleEF | LDT1 | 0.20        | 0.24        |
| tblVehicleEF | LDT1 | 0.24        | 0.58        |
| tblVehicleEF | LDT2 | 0.00        | 3.3734e-005 |
| tblVehicleEF | LDT2 | 5.9280e-003 | 3.9685e-003 |
| tblVehicleEF | LDT2 | 8.2010e-003 | 0.09        |
| tblVehicleEF | LDT2 | 0.00        | 6.0227e-003 |
| tblVehicleEF | LDT2 | 0.77        | 1.02        |
| tblVehicleEF | LDT2 | 1.72        | 4.02        |
| tblVehicleEF | LDT2 | 0.00        | 0.90        |
| tblVehicleEF | LDT2 | 357.28      | 373.12      |
| tblVehicleEF | LDT2 | 82.63       | 86.24       |
| tblVehicleEF | LDT2 | 0.00        | 0.02        |
| tblVehicleEF | LDT2 | 0.08        | 0.18        |
| tblVehicleEF | LDT2 | 0.14        | 0.39        |
| tblVehicleEF | LDT2 | 0.00        | 1.8970e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.01        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.1368e-003 |
| tblVehicleEF | LDT2 | 1.6320e-003 | 3.0986e-003 |
| tblVehicleEF | LDT2 | 2.2340e-003 | 2.1108e-003 |
| tblVehicleEF | LDT2 | 0.00        | 1.8149e-004 |
| tblVehicleEF | LDT2 | 0.02        | 3.9424e-003 |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0342e-003 |
| tblVehicleEF | LDT2 | 1.5010e-003 | 2.9115e-003 |
| tblVehicleEF | LDT2 | 2.0540e-003 | 1.9409e-003 |
| tblVehicleEF | LDT2 | 0.04        | 0.29        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.12        | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 7.2627e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.00        |
| tblVehicleEF | LDT2 | 0.01        | 0.02        |
| tblVehicleEF | LDT2 | 0.07        | 0.22        |
| tblVehicleEF | LDT2 | 0.11        | 0.43        |
| tblVehicleEF | LDT2 | 0.00        | 8.5637e-006 |
| tblVehicleEF | LDT2 | 3.5790e-003 | 3.6796e-003 |
| tblVehicleEF | LDT2 | 8.5600e-004 | 8.5258e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.29        |
| tblVehicleEF | LDT2 | 0.12        | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 8.2690e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.03        |
| tblVehicleEF | LDT2 | 0.07        | 0.22        |
| tblVehicleEF | LDT2 | 0.12        | 0.47        |
| tblVehicleEF | LDT2 | 0.00        | 7.8845e-003 |
| tblVehicleEF | LDT2 | 6.5840e-003 | 0.01        |
| tblVehicleEF | LDT2 | 6.7950e-003 | 0.04        |
| tblVehicleEF | LDT2 | 0.00        | 0.24        |
| tblVehicleEF | LDT2 | 0.91        | 1.32        |
| tblVehicleEF | LDT2 | 1.36        | 2.70        |
| tblVehicleEF | LDT2 | 0.00        | 7.96        |
| tblVehicleEF | LDT2 | 384.48      | 851.42      |
| tblVehicleEF | LDT2 | 82.63       | 25.62       |
| tblVehicleEF | LDT2 | 0.00        | 2.5816e-003 |
| tblVehicleEF | LDT2 | 0.08        | 0.21        |
| tblVehicleEF | LDT2 | 0.13        | 0.64        |
| tblVehicleEF | LDT2 | 0.04        | 0.07        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 1.6320e-003 | 2.0078e-003 |
| tblVehicleEF | LDT2 | 2.2340e-003 | 4.3410e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT2 | 1.5010e-003 | 1.8563e-003 |
| tblVehicleEF | LDT2 | 2.0540e-003 | 3.9914e-004 |
| tblVehicleEF | LDT2 | 0.10        | 0.27        |
| tblVehicleEF | LDT2 | 0.13        | 0.06        |
| tblVehicleEF | LDT2 | 0.00        | 0.03        |
| tblVehicleEF | LDT2 | 0.08        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.06        |
| tblVehicleEF | LDT2 | 0.07        | 0.30        |
| tblVehicleEF | LDT2 | 0.09        | 0.18        |
| tblVehicleEF | LDT2 | 0.00        | 7.8680e-005 |
| tblVehicleEF | LDT2 | 3.8520e-003 | 8.4112e-003 |
| tblVehicleEF | LDT2 | 8.4900e-004 | 2.5325e-004 |
| tblVehicleEF | LDT2 | 0.10        | 0.27        |
| tblVehicleEF | LDT2 | 0.13        | 0.06        |
| tblVehicleEF | LDT2 | 0.00        | 0.04        |
| tblVehicleEF | LDT2 | 0.08        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.08        |
| tblVehicleEF | LDT2 | 0.07        | 0.30        |
| tblVehicleEF | LDT2 | 0.10        | 0.19        |
| tblVehicleEF | LDT2 | 0.00        | 7.8228e-003 |
| tblVehicleEF | LDT2 | 5.7750e-003 | 0.01        |
| tblVehicleEF | LDT2 | 9.2910e-003 | 0.04        |
| tblVehicleEF | LDT2 | 0.00        | 0.24        |
| tblVehicleEF | LDT2 | 0.76        | 1.24        |
| tblVehicleEF | LDT2 | 2.02        | 3.11        |
| tblVehicleEF | LDT2 | 0.00        | 7.96        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 352.80      | 850.60      |
| tblVehicleEF | LDT2 | 82.63       | 26.34       |
| tblVehicleEF | LDT2 | 0.00        | 2.5816e-003 |
| tblVehicleEF | LDT2 | 0.09        | 0.25        |
| tblVehicleEF | LDT2 | 0.15        | 0.72        |
| tblVehicleEF | LDT2 | 0.04        | 0.07        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT2 | 1.6320e-003 | 2.0078e-003 |
| tblVehicleEF | LDT2 | 2.2340e-003 | 4.3410e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT2 | 1.5010e-003 | 1.8563e-003 |
| tblVehicleEF | LDT2 | 2.0540e-003 | 3.9914e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.19        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.03        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.01        | 0.05        |
| tblVehicleEF | LDT2 | 0.09        | 0.30        |
| tblVehicleEF | LDT2 | 0.13        | 0.20        |
| tblVehicleEF | LDT2 | 0.00        | 7.8680e-005 |
| tblVehicleEF | LDT2 | 3.5340e-003 | 8.4030e-003 |
| tblVehicleEF | LDT2 | 8.6100e-004 | 2.6036e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.19        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.04        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.08        |
| tblVehicleEF | LDT2 | 0.09        | 0.30        |
| tblVehicleEF | LDT2 | 0.14        | 0.22        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 5.9570e-003 | 6.9244e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 0.15        | 0.22        |
| tblVehicleEF | LHD1 | 1.20        | 1.24        |
| tblVehicleEF | LHD1 | 2.95        | 2.53        |
| tblVehicleEF | LHD1 | 8.98        | 9.62        |
| tblVehicleEF | LHD1 | 704.65      | 903.01      |
| tblVehicleEF | LHD1 | 33.88       | 21.86       |
| tblVehicleEF | LHD1 | 0.07        | 0.03        |
| tblVehicleEF | LHD1 | 1.31        | 0.55        |
| tblVehicleEF | LHD1 | 1.09        | 0.59        |
| tblVehicleEF | LHD1 | 8.6000e-004 | 3.4692e-004 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 9.9630e-003 | 8.7586e-003 |
| tblVehicleEF | LHD1 | 0.02        | 9.4590e-003 |
| tblVehicleEF | LHD1 | 1.0630e-003 | 3.5404e-004 |
| tblVehicleEF | LHD1 | 8.2300e-004 | 3.3191e-004 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.4910e-003 | 2.1896e-003 |
| tblVehicleEF | LHD1 | 0.01        | 8.9922e-003 |
| tblVehicleEF | LHD1 | 9.7800e-004 | 3.2553e-004 |
| tblVehicleEF | LHD1 | 2.8190e-003 | 0.18        |
| tblVehicleEF | LHD1 | 0.11        | 0.05        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 1.4030e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.09        |
| tblVehicleEF | LHD1 | 0.33        | 0.25        |
| tblVehicleEF | LHD1 | 0.30        | 0.16        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.3966e-005 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 6.9280e-003 | 8.8663e-003 |
| tblVehicleEF | LHD1 | 3.9500e-004 | 2.1611e-004 |
| tblVehicleEF | LHD1 | 2.8190e-003 | 0.18        |
| tblVehicleEF | LHD1 | 0.11        | 0.05        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.4030e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.11        |
| tblVehicleEF | LHD1 | 0.33        | 0.25        |
| tblVehicleEF | LHD1 | 0.33        | 0.18        |
| tblVehicleEF | LHD1 | 5.9570e-003 | 2.2781e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 8.3923e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.12        |
| tblVehicleEF | LHD1 | 1.22        | 0.75        |
| tblVehicleEF | LHD1 | 2.73        | 0.70        |
| tblVehicleEF | LHD1 | 8.98        | 10.52       |
| tblVehicleEF | LHD1 | 704.65      | 723.21      |
| tblVehicleEF | LHD1 | 33.88       | 6.23        |
| tblVehicleEF | LHD1 | 0.07        | 0.14        |
| tblVehicleEF | LHD1 | 1.25        | 1.85        |
| tblVehicleEF | LHD1 | 1.02        | 0.15        |
| tblVehicleEF | LHD1 | 8.6000e-004 | 1.7256e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 9.9630e-003 | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.0630e-003 | 8.3326e-005 |
| tblVehicleEF | LHD1 | 8.2300e-004 | 1.6510e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.4910e-003 | 2.7968e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 9.7800e-004 | 7.6615e-005 |
| tblVehicleEF | LHD1 | 6.3880e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 2.9310e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.18        |
| tblVehicleEF | LHD1 | 0.32        | 0.07        |
| tblVehicleEF | LHD1 | 0.29        | 0.04        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 1.0064e-004 |
| tblVehicleEF | LHD1 | 6.9280e-003 | 6.9392e-003 |
| tblVehicleEF | LHD1 | 3.9100e-004 | 6.1631e-005 |
| tblVehicleEF | LHD1 | 6.3880e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 2.9310e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.21        |
| tblVehicleEF | LHD1 | 0.32        | 0.07        |
| tblVehicleEF | LHD1 | 0.31        | 0.05        |
| tblVehicleEF | LHD1 | 5.9570e-003 | 2.2625e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 9.2777e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.12        |
| tblVehicleEF | LHD1 | 1.17        | 0.74        |
| tblVehicleEF | LHD1 | 3.17        | 0.80        |
| tblVehicleEF | LHD1 | 8.98        | 10.52       |
| tblVehicleEF | LHD1 | 704.65      | 723.19      |
| tblVehicleEF | LHD1 | 33.88       | 6.41        |
| tblVehicleEF | LHD1 | 0.07        | 0.14        |
| tblVehicleEF | LHD1 | 1.34        | 1.96        |
| tblVehicleEF | LHD1 | 1.15        | 0.17        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 8.6000e-004 | 1.7256e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 9.9630e-003 | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.0630e-003 | 8.3326e-005 |
| tblVehicleEF | LHD1 | 8.2300e-004 | 1.6510e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.4910e-003 | 2.7968e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |
| tblVehicleEF | LHD1 | 9.7800e-004 | 7.6615e-005 |
| tblVehicleEF | LHD1 | 1.4130e-003 | 0.04        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 7.3200e-004 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.18        |
| tblVehicleEF | LHD1 | 0.37        | 0.07        |
| tblVehicleEF | LHD1 | 0.32        | 0.05        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 1.0064e-004 |
| tblVehicleEF | LHD1 | 6.9270e-003 | 6.9390e-003 |
| tblVehicleEF | LHD1 | 3.9900e-004 | 6.3413e-005 |
| tblVehicleEF | LHD1 | 1.4130e-003 | 0.04        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 7.3200e-004 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.21        |
| tblVehicleEF | LHD1 | 0.37        | 0.07        |
| tblVehicleEF | LHD1 | 0.35        | 0.05        |
| tblVehicleEF | LHD2 | 3.8320e-003 | 3.2592e-003 |
| tblVehicleEF | LHD2 | 9.2950e-003 | 0.12        |
| tblVehicleEF | LHD2 | 8.8580e-003 | 0.13        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.13        | 0.10        |
| tblVehicleEF | LHD2 | 0.63        | 9.56        |
| tblVehicleEF | LHD2 | 1.37        | 6.13        |
| tblVehicleEF | LHD2 | 14.07       | 3.81        |
| tblVehicleEF | LHD2 | 720.29      | 488.52      |
| tblVehicleEF | LHD2 | 25.14       | 41.73       |
| tblVehicleEF | LHD2 | 0.11        | 1.0621e-003 |
| tblVehicleEF | LHD2 | 0.95        | 0.49        |
| tblVehicleEF | LHD2 | 0.53        | 0.37        |
| tblVehicleEF | LHD2 | 1.2990e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.09        | 0.04        |
| tblVehicleEF | LHD2 | 0.01        | 5.4125e-003 |
| tblVehicleEF | LHD2 | 0.02        | 1.8269e-003 |
| tblVehicleEF | LHD2 | 4.7100e-004 | 2.4358e-003 |
| tblVehicleEF | LHD2 | 1.2430e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.04        | 0.01        |
| tblVehicleEF | LHD2 | 2.6810e-003 | 1.3531e-003 |
| tblVehicleEF | LHD2 | 0.01        | 1.7020e-003 |
| tblVehicleEF | LHD2 | 4.3300e-004 | 2.2948e-003 |
| tblVehicleEF | LHD2 | 9.9400e-004 | 1.27        |
| tblVehicleEF | LHD2 | 0.04        | 2.15        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 5.0900e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.80        |
| tblVehicleEF | LHD2 | 0.09        | 2.33        |
| tblVehicleEF | LHD2 | 0.12        | 0.97        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 3.7654e-005 |
| tblVehicleEF | LHD2 | 7.0090e-003 | 4.8295e-003 |
| tblVehicleEF | LHD2 | 2.7600e-004 | 4.1252e-004 |
| tblVehicleEF | LHD2 | 9.9400e-004 | 1.27        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.04        | 2.15        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 5.0900e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.96        |
| tblVehicleEF | LHD2 | 0.09        | 2.33        |
| tblVehicleEF | LHD2 | 0.13        | 1.05        |
| tblVehicleEF | LHD2 | 3.8320e-003 | 1.9623e-004 |
| tblVehicleEF | LHD2 | 9.4580e-003 | 0.09        |
| tblVehicleEF | LHD2 | 8.3680e-003 | 0.09        |
| tblVehicleEF | LHD2 | 0.13        | 0.04        |
| tblVehicleEF | LHD2 | 0.64        | 7.30        |
| tblVehicleEF | LHD2 | 1.27        | 3.66        |
| tblVehicleEF | LHD2 | 14.07       | 8.37        |
| tblVehicleEF | LHD2 | 720.29      | 482.67      |
| tblVehicleEF | LHD2 | 25.14       | 25.63       |
| tblVehicleEF | LHD2 | 0.11        | 0.09        |
| tblVehicleEF | LHD2 | 0.91        | 1.15        |
| tblVehicleEF | LHD2 | 0.50        | 0.07        |
| tblVehicleEF | LHD2 | 1.2990e-003 | 1.0923e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 7.9630e-003 |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 4.7100e-004 | 1.9823e-003 |
| tblVehicleEF | LHD2 | 1.2430e-003 | 1.0451e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.02        |
| tblVehicleEF | LHD2 | 2.6810e-003 | 1.9908e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.3300e-004 | 1.8703e-003 |
| tblVehicleEF | LHD2 | 2.2540e-003 | 1.67        |
| tblVehicleEF | LHD2 | 0.04        | 1.93        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.01        | 4.2248e-003 |
| tblVehicleEF | LHD2 | 1.0660e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.69        |
| tblVehicleEF | LHD2 | 0.09        | 1.94        |
| tblVehicleEF | LHD2 | 0.11        | 0.64        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 7.9337e-005 |
| tblVehicleEF | LHD2 | 7.0090e-003 | 4.6128e-003 |
| tblVehicleEF | LHD2 | 2.7500e-004 | 2.5335e-004 |
| tblVehicleEF | LHD2 | 2.2540e-003 | 1.67        |
| tblVehicleEF | LHD2 | 0.04        | 1.93        |
| tblVehicleEF | LHD2 | 0.02        | 4.8097e-003 |
| tblVehicleEF | LHD2 | 1.0660e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.82        |
| tblVehicleEF | LHD2 | 0.09        | 1.94        |
| tblVehicleEF | LHD2 | 0.12        | 0.69        |
| tblVehicleEF | LHD2 | 3.8320e-003 | 1.9623e-004 |
| tblVehicleEF | LHD2 | 9.1660e-003 | 0.10        |
| tblVehicleEF | LHD2 | 9.2820e-003 | 0.12        |
| tblVehicleEF | LHD2 | 0.13        | 0.04        |
| tblVehicleEF | LHD2 | 0.63        | 7.72        |
| tblVehicleEF | LHD2 | 1.47        | 4.83        |
| tblVehicleEF | LHD2 | 14.07       | 8.37        |
| tblVehicleEF | LHD2 | 720.29      | 483.46      |
| tblVehicleEF | LHD2 | 25.14       | 28.35       |
| tblVehicleEF | LHD2 | 0.11        | 0.09        |
| tblVehicleEF | LHD2 | 0.97        | 1.25        |
| tblVehicleEF | LHD2 | 0.56        | 0.09        |
| tblVehicleEF | LHD2 | 1.2990e-003 | 1.0923e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 7.9630e-003 |

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|--------------|------|-------------|-------------|
| tbIVehicleEF | LHD2 | 0.02        | 0.02        |
| tbIVehicleEF | LHD2 | 4.7100e-004 | 1.9823e-003 |
| tbIVehicleEF | LHD2 | 1.2430e-003 | 1.0451e-003 |
| tbIVehicleEF | LHD2 | 0.04        | 0.02        |
| tbIVehicleEF | LHD2 | 2.6810e-003 | 1.9908e-003 |
| tbIVehicleEF | LHD2 | 0.01        | 0.02        |
| tbIVehicleEF | LHD2 | 4.3300e-004 | 1.8703e-003 |
| tbIVehicleEF | LHD2 | 5.0200e-004 | 0.90        |
| tbIVehicleEF | LHD2 | 0.04        | 1.72        |
| tbIVehicleEF | LHD2 | 0.01        | 4.2248e-003 |
| tbIVehicleEF | LHD2 | 2.6700e-004 | 0.00        |
| tbIVehicleEF | LHD2 | 0.11        | 0.73        |
| tbIVehicleEF | LHD2 | 0.10        | 2.08        |
| tbIVehicleEF | LHD2 | 0.13        | 0.90        |
| tbIVehicleEF | LHD2 | 1.3700e-004 | 7.9337e-005 |
| tbIVehicleEF | LHD2 | 7.0090e-003 | 4.6205e-003 |
| tbIVehicleEF | LHD2 | 2.7800e-004 | 2.8029e-004 |
| tbIVehicleEF | LHD2 | 5.0200e-004 | 0.90        |
| tbIVehicleEF | LHD2 | 0.04        | 1.72        |
| tbIVehicleEF | LHD2 | 0.02        | 4.8097e-003 |
| tbIVehicleEF | LHD2 | 2.6700e-004 | 0.00        |
| tbIVehicleEF | LHD2 | 0.13        | 0.86        |
| tbIVehicleEF | LHD2 | 0.10        | 2.08        |
| tbIVehicleEF | LHD2 | 0.14        | 0.98        |
| tbIVehicleEF | MCY  | 0.44        | 0.06        |
| tbIVehicleEF | MCY  | 0.16        | 0.00        |
| tbIVehicleEF | MCY  | 19.41       | 0.06        |
| tbIVehicleEF | MCY  | 10.14       | 0.00        |
| tbIVehicleEF | MCY  | 168.73      | 0.06        |
| tbIVehicleEF | MCY  | 45.97       | 0.00        |

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|--------------|-----|-------------|--------|
| tbIVehicleEF | MCY | 1.15        | 0.06   |
| tbIVehicleEF | MCY | 0.32        | 0.00   |
| tbIVehicleEF | MCY | 0.01        | 0.06   |
| tbIVehicleEF | MCY | 4.0000e-003 | 0.06   |
| tbIVehicleEF | MCY | 1.9370e-003 | 0.06   |
| tbIVehicleEF | MCY | 3.9880e-003 | 0.00   |
| tbIVehicleEF | MCY | 5.0400e-003 | 0.06   |
| tbIVehicleEF | MCY | 1.0000e-003 | 0.06   |
| tbIVehicleEF | MCY | 1.8140e-003 | 0.06   |
| tbIVehicleEF | MCY | 3.7640e-003 | 0.00   |
| tbIVehicleEF | MCY | 0.91        | 0.00   |
| tbIVehicleEF | MCY | 0.73        | 0.00   |
| tbIVehicleEF | MCY | 0.50        | 0.00   |
| tbIVehicleEF | MCY | 2.24        | 0.06   |
| tbIVehicleEF | MCY | 0.63        | 0.00   |
| tbIVehicleEF | MCY | 2.23        | 0.00   |
| tbIVehicleEF | MCY | 2.0700e-003 | 0.06   |
| tbIVehicleEF | MCY | 6.9100e-004 | 0.00   |
| tbIVehicleEF | MCY | 0.91        | 0.00   |
| tbIVehicleEF | MCY | 0.73        | 0.00   |
| tbIVehicleEF | MCY | 0.50        | 0.00   |
| tbIVehicleEF | MCY | 2.77        | 0.06   |
| tbIVehicleEF | MCY | 0.63        | 0.00   |
| tbIVehicleEF | MCY | 2.43        | 0.00   |
| tbIVehicleEF | MCY | 0.43        | 0.14   |
| tbIVehicleEF | MCY | 0.14        | 0.11   |
| tbIVehicleEF | MCY | 18.69       | 0.14   |
| tbIVehicleEF | MCY | 8.94        | 3.95   |
| tbIVehicleEF | MCY | 168.73      | 0.14   |
| tbIVehicleEF | MCY | 45.97       | 112.69 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tbIVehicleEF | MCY | 1.02        | 0.14        |
| tbIVehicleEF | MCY | 0.29        | 0.51        |
| tbIVehicleEF | MCY | 0.01        | 0.14        |
| tbIVehicleEF | MCY | 4.0000e-003 | 0.14        |
| tbIVehicleEF | MCY | 1.9370e-003 | 0.14        |
| tbIVehicleEF | MCY | 3.9880e-003 | 2.5887e-003 |
| tbIVehicleEF | MCY | 5.0400e-003 | 0.14        |
| tbIVehicleEF | MCY | 1.0000e-003 | 0.14        |
| tbIVehicleEF | MCY | 1.8140e-003 | 0.14        |
| tbIVehicleEF | MCY | 3.7640e-003 | 2.3815e-003 |
| tbIVehicleEF | MCY | 2.35        | 0.51        |
| tbIVehicleEF | MCY | 0.95        | 0.12        |
| tbIVehicleEF | MCY | 1.36        | 0.00        |
| tbIVehicleEF | MCY | 2.16        | 0.14        |
| tbIVehicleEF | MCY | 0.59        | 0.31        |
| tbIVehicleEF | MCY | 1.87        | 0.56        |
| tbIVehicleEF | MCY | 2.0560e-003 | 0.14        |
| tbIVehicleEF | MCY | 6.6100e-004 | 1.1141e-003 |
| tbIVehicleEF | MCY | 2.35        | 0.51        |
| tbIVehicleEF | MCY | 0.95        | 0.12        |
| tbIVehicleEF | MCY | 1.36        | 0.00        |
| tbIVehicleEF | MCY | 2.67        | 0.14        |
| tbIVehicleEF | MCY | 0.59        | 0.31        |
| tbIVehicleEF | MCY | 2.03        | 0.61        |
| tbIVehicleEF | MCY | 0.46        | 0.18        |
| tbIVehicleEF | MCY | 0.19        | 0.14        |
| tbIVehicleEF | MCY | 20.95       | 0.18        |
| tbIVehicleEF | MCY | 11.55       | 5.93        |
| tbIVehicleEF | MCY | 168.73      | 0.18        |
| tbIVehicleEF | MCY | 45.97       | 116.52      |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 1.24        | 0.18        |
| tblVehicleEF | MCY | 0.34        | 0.62        |
| tblVehicleEF | MCY | 0.01        | 0.18        |
| tblVehicleEF | MCY | 4.0000e-003 | 0.18        |
| tblVehicleEF | MCY | 1.9370e-003 | 0.18        |
| tblVehicleEF | MCY | 3.9880e-003 | 2.5887e-003 |
| tblVehicleEF | MCY | 5.0400e-003 | 0.18        |
| tblVehicleEF | MCY | 1.0000e-003 | 0.18        |
| tblVehicleEF | MCY | 1.8140e-003 | 0.18        |
| tblVehicleEF | MCY | 3.7640e-003 | 2.3815e-003 |
| tblVehicleEF | MCY | 0.40        | 0.36        |
| tblVehicleEF | MCY | 0.88        | 0.10        |
| tblVehicleEF | MCY | 0.19        | 0.00        |
| tblVehicleEF | MCY | 2.34        | 0.18        |
| tblVehicleEF | MCY | 0.75        | 0.30        |
| tblVehicleEF | MCY | 2.59        | 0.77        |
| tblVehicleEF | MCY | 2.0980e-003 | 0.18        |
| tblVehicleEF | MCY | 7.2500e-004 | 1.1519e-003 |
| tblVehicleEF | MCY | 0.40        | 0.36        |
| tblVehicleEF | MCY | 0.88        | 0.10        |
| tblVehicleEF | MCY | 0.19        | 0.00        |
| tblVehicleEF | MCY | 2.88        | 0.18        |
| tblVehicleEF | MCY | 0.75        | 0.30        |
| tblVehicleEF | MCY | 2.81        | 0.84        |
| tblVehicleEF | MDV | 0.01        | 5.8478e-003 |
| tblVehicleEF | MDV | 0.02        | 0.13        |
| tblVehicleEF | MDV | 1.32        | 1.32        |
| tblVehicleEF | MDV | 3.27        | 5.02        |
| tblVehicleEF | MDV | 473.55      | 441.36      |
| tblVehicleEF | MDV | 107.62      | 114.53      |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.16        | 0.17        |
| tblVehicleEF | MDV | 0.29        | 0.57        |
| tblVehicleEF | MDV | 0.04        | 9.1738e-003 |
| tblVehicleEF | MDV | 8.0000e-003 | 8.0140e-003 |
| tblVehicleEF | MDV | 1.8700e-003 | 1.7567e-003 |
| tblVehicleEF | MDV | 2.5800e-003 | 2.5869e-003 |
| tblVehicleEF | MDV | 0.02        | 3.2108e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.0035e-003 |
| tblVehicleEF | MDV | 1.7250e-003 | 1.6234e-003 |
| tblVehicleEF | MDV | 2.3740e-003 | 2.3799e-003 |
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.18        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.03        |
| tblVehicleEF | MDV | 0.11        | 0.30        |
| tblVehicleEF | MDV | 0.25        | 0.67        |
| tblVehicleEF | MDV | 4.7450e-003 | 4.3625e-003 |
| tblVehicleEF | MDV | 1.1340e-003 | 1.1322e-003 |
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.18        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.11        | 0.30        |
| tblVehicleEF | MDV | 0.28        | 0.74        |
| tblVehicleEF | MDV | 0.01        | 4.7588e-003 |
| tblVehicleEF | MDV | 0.02        | 6.5491e-003 |
| tblVehicleEF | MDV | 1.52        | 0.75        |
| tblVehicleEF | MDV | 2.59        | 0.24        |
| tblVehicleEF | MDV | 508.67      | 597.17      |
| tblVehicleEF | MDV | 107.62      | 17.39       |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.15        | 0.13        |
| tblVehicleEF | MDV | 0.26        | 0.02        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.6530e-003 |
| tblVehicleEF | MDV | 1.8700e-003 | 4.0785e-003 |
| tblVehicleEF | MDV | 2.5800e-003 | 4.9565e-004 |
| tblVehicleEF | MDV | 0.02        | 4.7670e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1633e-003 |
| tblVehicleEF | MDV | 1.7250e-003 | 3.8823e-003 |
| tblVehicleEF | MDV | 2.3740e-003 | 4.5573e-004 |
| tblVehicleEF | MDV | 0.14        | 1.34        |
| tblVehicleEF | MDV | 0.19        | 0.31        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.21        | 0.03        |
| tblVehicleEF | MDV | 5.0990e-003 | 5.8010e-003 |
| tblVehicleEF | MDV | 1.1220e-003 | 1.7188e-004 |
| tblVehicleEF | MDV | 0.14        | 1.34        |
| tblVehicleEF | MDV | 0.19        | 0.31        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.23        | 0.03        |
| tblVehicleEF | MDV | 0.01        | 4.4303e-003 |
| tblVehicleEF | MDV | 0.02        | 8.7855e-003 |
| tblVehicleEF | MDV | 1.31        | 0.69        |
| tblVehicleEF | MDV | 3.82        | 0.34        |
| tblVehicleEF | MDV | 467.76      | 594.67      |
| tblVehicleEF | MDV | 107.62      | 17.59       |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.18        | 0.15        |
| tblVehicleEF | MDV | 0.32        | 0.03        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.6530e-003 |
| tblVehicleEF | MDV | 1.8700e-003 | 4.0785e-003 |
| tblVehicleEF | MDV | 2.5800e-003 | 4.9565e-004 |
| tblVehicleEF | MDV | 0.02        | 4.7670e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1633e-003 |
| tblVehicleEF | MDV | 1.7250e-003 | 3.8823e-003 |
| tblVehicleEF | MDV | 2.3740e-003 | 4.5573e-004 |
| tblVehicleEF | MDV | 0.03        | 0.88        |
| tblVehicleEF | MDV | 0.18        | 0.26        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.03        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.29        | 0.04        |
| tblVehicleEF | MDV | 4.6870e-003 | 5.7763e-003 |
| tblVehicleEF | MDV | 1.1440e-003 | 1.7389e-004 |
| tblVehicleEF | MDV | 0.03        | 0.88        |
| tblVehicleEF | MDV | 0.18        | 0.26        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.32        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 1.2076e-003 |
| tblVehicleEF | MH  | 0.04        | 3.9958e-003 |
| tblVehicleEF | MH  | 0.03        | 8.9242e-005 |
| tblVehicleEF | MH  | 0.00        | 0.61        |
| tblVehicleEF | MH  | 2.90        | 0.36        |
| tblVehicleEF | MH  | 6.68        | 9.0190e-003 |

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|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.00        | 196.24      |
| tblVehicleEF | MH | 1,223.22    | 1,202.03    |
| tblVehicleEF | MH | 59.88       | 0.07        |
| tblVehicleEF | MH | 0.00        | 1.35        |
| tblVehicleEF | MH | 1.49        | 1.83        |
| tblVehicleEF | MH | 0.92        | 1.44        |
| tblVehicleEF | MH | 0.00        | 4.4822e-003 |
| tblVehicleEF | MH | 0.13        | 0.05        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.2930e-003 | 1.2314e-006 |
| tblVehicleEF | MH | 0.00        | 4.2883e-003 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2150e-003 | 3.0000e-003 |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.1890e-003 | 1.1323e-006 |
| tblVehicleEF | MH | 0.98        | 0.12        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.03        |
| tblVehicleEF | MH | 0.33        | 0.00        |
| tblVehicleEF | MH | 0.12        | 0.06        |
| tblVehicleEF | MH | 0.02        | 7.8174e-004 |
| tblVehicleEF | MH | 0.38        | 3.9825e-004 |
| tblVehicleEF | MH | 0.00        | 1.8583e-003 |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 7.1500e-004 | 7.3364e-007 |
| tblVehicleEF | MH | 0.98        | 0.12        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.03        |
| tblVehicleEF | MH | 0.33        | 0.00        |

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|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.17        | 0.07        |
| tblVehicleEF | MH | 0.02        | 7.8174e-004 |
| tblVehicleEF | MH | 0.42        | 4.3603e-004 |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.04        | 0.03        |
| tblVehicleEF | MH | 0.03        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.52        |
| tblVehicleEF | MH | 3.03        | 2.81        |
| tblVehicleEF | MH | 6.05        | 6.33        |
| tblVehicleEF | MH | 0.00        | 28.70       |
| tblVehicleEF | MH | 1,223.22    | 1,759.31    |
| tblVehicleEF | MH | 59.88       | 48.18       |
| tblVehicleEF | MH | 0.00        | 4.5613e-003 |
| tblVehicleEF | MH | 1.40        | 1.17        |
| tblVehicleEF | MH | 0.86        | 0.44        |
| tblVehicleEF | MH | 0.13        | 0.04        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.2930e-003 | 6.8829e-004 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2150e-003 | 3.1164e-003 |
| tblVehicleEF | MH | 0.03        | 0.01        |
| tblVehicleEF | MH | 1.1890e-003 | 6.3286e-004 |
| tblVehicleEF | MH | 2.22        | 0.26        |
| tblVehicleEF | MH | 0.09        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.05        |
| tblVehicleEF | MH | 0.71        | 0.00        |
| tblVehicleEF | MH | 0.13        | 0.14        |
| tblVehicleEF | MH | 0.02        | 0.38        |
| tblVehicleEF | MH | 0.36        | 0.29        |

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|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.00        | 2.8377e-004 |
| tblVehicleEF | MH | 0.01        | 0.02        |
| tblVehicleEF | MH | 7.0400e-004 | 4.7633e-004 |
| tblVehicleEF | MH | 2.22        | 0.26        |
| tblVehicleEF | MH | 0.09        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.07        |
| tblVehicleEF | MH | 0.71        | 0.00        |
| tblVehicleEF | MH | 0.18        | 0.21        |
| tblVehicleEF | MH | 0.02        | 0.38        |
| tblVehicleEF | MH | 0.39        | 0.32        |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.04        | 0.02        |
| tblVehicleEF | MH | 0.03        | 0.06        |
| tblVehicleEF | MH | 0.00        | 0.98        |
| tblVehicleEF | MH | 2.80        | 2.65        |
| tblVehicleEF | MH | 7.29        | 7.39        |
| tblVehicleEF | MH | 0.00        | 25.89       |
| tblVehicleEF | MH | 1,223.22    | 1,759.01    |
| tblVehicleEF | MH | 59.88       | 49.99       |
| tblVehicleEF | MH | 0.00        | 4.1878e-003 |
| tblVehicleEF | MH | 1.54        | 1.33        |
| tblVehicleEF | MH | 0.97        | 0.50        |
| tblVehicleEF | MH | 0.13        | 0.04        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.2930e-003 | 6.8829e-004 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2150e-003 | 3.1164e-003 |
| tblVehicleEF | MH | 0.03        | 0.01        |
| tblVehicleEF | MH | 1.1890e-003 | 6.3286e-004 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MH  | 0.48        | 0.17        |
| tblVehicleEF | MH  | 0.10        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.05        |
| tblVehicleEF | MH  | 0.18        | 0.00        |
| tblVehicleEF | MH  | 0.12        | 0.14        |
| tblVehicleEF | MH  | 0.03        | 0.38        |
| tblVehicleEF | MH  | 0.41        | 0.32        |
| tblVehicleEF | MH  | 0.00        | 2.5594e-004 |
| tblVehicleEF | MH  | 0.01        | 0.02        |
| tblVehicleEF | MH  | 7.2600e-004 | 4.9417e-004 |
| tblVehicleEF | MH  | 0.48        | 0.17        |
| tblVehicleEF | MH  | 0.10        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.08        |
| tblVehicleEF | MH  | 0.18        | 0.00        |
| tblVehicleEF | MH  | 0.17        | 0.19        |
| tblVehicleEF | MH  | 0.03        | 0.38        |
| tblVehicleEF | MH  | 0.45        | 0.35        |
| tblVehicleEF | MHD | 0.02        | 0.04        |
| tblVehicleEF | MHD | 6.6980e-003 | 0.03        |
| tblVehicleEF | MHD | 0.06        | 0.04        |
| tblVehicleEF | MHD | 0.40        | 0.69        |
| tblVehicleEF | MHD | 0.47        | 1.78        |
| tblVehicleEF | MHD | 7.25        | 5.02        |
| tblVehicleEF | MHD | 136.73      | 57.44       |
| tblVehicleEF | MHD | 1,206.00    | 1,605.55    |
| tblVehicleEF | MHD | 62.24       | 36.28       |
| tblVehicleEF | MHD | 0.58        | 0.17        |
| tblVehicleEF | MHD | 1.63        | 1.08        |
| tblVehicleEF | MHD | 10.30       | 0.62        |
| tblVehicleEF | MHD | 8.2700e-004 | 3.2786e-004 |

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|--------------|-----|-------------|-------------|
| tbIVehicleEF | MHD | 0.13        | 0.05        |
| tbIVehicleEF | MHD | 0.01        | 0.01        |
| tbIVehicleEF | MHD | 7.2180e-003 | 0.01        |
| tbIVehicleEF | MHD | 9.9100e-004 | 4.7370e-004 |
| tbIVehicleEF | MHD | 7.9100e-004 | 3.1263e-004 |
| tbIVehicleEF | MHD | 0.06        | 0.02        |
| tbIVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tbIVehicleEF | MHD | 6.8990e-003 | 0.01        |
| tbIVehicleEF | MHD | 9.1100e-004 | 4.3555e-004 |
| tbIVehicleEF | MHD | 1.0740e-003 | 0.13        |
| tbIVehicleEF | MHD | 0.05        | 0.03        |
| tbIVehicleEF | MHD | 0.03        | 0.05        |
| tbIVehicleEF | MHD | 5.3000e-004 | 0.00        |
| tbIVehicleEF | MHD | 0.06        | 0.10        |
| tbIVehicleEF | MHD | 0.03        | 0.25        |
| tbIVehicleEF | MHD | 0.43        | 0.23        |
| tbIVehicleEF | MHD | 1.3170e-003 | 4.7191e-004 |
| tbIVehicleEF | MHD | 0.01        | 0.02        |
| tbIVehicleEF | MHD | 7.4900e-004 | 3.5867e-004 |
| tbIVehicleEF | MHD | 1.0740e-003 | 0.13        |
| tbIVehicleEF | MHD | 0.05        | 0.03        |
| tbIVehicleEF | MHD | 0.04        | 0.09        |
| tbIVehicleEF | MHD | 5.3000e-004 | 0.00        |
| tbIVehicleEF | MHD | 0.08        | 0.16        |
| tbIVehicleEF | MHD | 0.03        | 0.25        |
| tbIVehicleEF | MHD | 0.47        | 0.25        |
| tbIVehicleEF | MHD | 0.02        | 0.01        |
| tbIVehicleEF | MHD | 6.8520e-003 | 8.6746e-003 |
| tbIVehicleEF | MHD | 0.05        | 2.4187e-003 |
| tbIVehicleEF | MHD | 0.28        | 0.58        |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.48        | 0.30        |
| tblVehicleEF | MHD | 6.66        | 0.26        |
| tblVehicleEF | MHD | 144.99      | 184.40      |
| tblVehicleEF | MHD | 1,206.00    | 1,204.06    |
| tblVehicleEF | MHD | 62.24       | 2.20        |
| tblVehicleEF | MHD | 0.59        | 1.22        |
| tblVehicleEF | MHD | 1.56        | 1.72        |
| tblVehicleEF | MHD | 10.24       | 1.36        |
| tblVehicleEF | MHD | 6.9700e-004 | 3.3770e-003 |
| tblVehicleEF | MHD | 0.13        | 0.05        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 7.2180e-003 | 0.02        |
| tblVehicleEF | MHD | 9.9100e-004 | 1.9622e-005 |
| tblVehicleEF | MHD | 6.6700e-004 | 3.2306e-003 |
| tblVehicleEF | MHD | 0.06        | 0.02        |
| tblVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tblVehicleEF | MHD | 6.8990e-003 | 0.02        |
| tblVehicleEF | MHD | 9.1100e-004 | 1.8041e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.5614e-003 |
| tblVehicleEF | MHD | 0.03        | 0.03        |
| tblVehicleEF | MHD | 1.1770e-003 | 0.00        |
| tblVehicleEF | MHD | 0.06        | 0.06        |
| tblVehicleEF | MHD | 0.02        | 9.8026e-003 |
| tblVehicleEF | MHD | 0.40        | 0.01        |
| tblVehicleEF | MHD | 1.3950e-003 | 1.7191e-003 |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 7.3900e-004 | 2.1770e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.5614e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tbIVehicleEF | MHD | 0.04        | 0.04        |
| tbIVehicleEF | MHD | 1.1770e-003 | 0.00        |
| tbIVehicleEF | MHD | 0.08        | 0.08        |
| tbIVehicleEF | MHD | 0.02        | 9.8026e-003 |
| tbIVehicleEF | MHD | 0.44        | 0.01        |
| tbIVehicleEF | MHD | 0.02        | 0.01        |
| tbIVehicleEF | MHD | 6.5800e-003 | 8.6239e-003 |
| tbIVehicleEF | MHD | 0.06        | 2.7049e-003 |
| tbIVehicleEF | MHD | 0.53        | 0.66        |
| tbIVehicleEF | MHD | 0.46        | 0.29        |
| tbIVehicleEF | MHD | 7.79        | 0.31        |
| tbIVehicleEF | MHD | 125.70      | 183.37      |
| tbIVehicleEF | MHD | 1,206.00    | 1,204.05    |
| tbIVehicleEF | MHD | 62.24       | 2.29        |
| tbIVehicleEF | MHD | 0.55        | 1.24        |
| tbIVehicleEF | MHD | 1.66        | 1.82        |
| tbIVehicleEF | MHD | 10.36       | 1.37        |
| tbIVehicleEF | MHD | 1.0060e-003 | 4.8458e-003 |
| tbIVehicleEF | MHD | 0.13        | 0.05        |
| tbIVehicleEF | MHD | 0.01        | 0.01        |
| tbIVehicleEF | MHD | 7.2180e-003 | 0.02        |
| tbIVehicleEF | MHD | 9.9100e-004 | 1.9622e-005 |
| tbIVehicleEF | MHD | 9.6300e-004 | 4.6358e-003 |
| tbIVehicleEF | MHD | 0.06        | 0.02        |
| tbIVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tbIVehicleEF | MHD | 6.8990e-003 | 0.02        |
| tbIVehicleEF | MHD | 9.1100e-004 | 1.8041e-005 |
| tbIVehicleEF | MHD | 5.2400e-004 | 8.1804e-003 |
| tbIVehicleEF | MHD | 0.05        | 2.1993e-003 |
| tbIVehicleEF | MHD | 0.03        | 0.03        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | MHD  | 2.6600e-004 | 0.00        |
| tbIVehicleEF | MHD  | 0.06        | 0.06        |
| tbIVehicleEF | MHD  | 0.03        | 9.8021e-003 |
| tbIVehicleEF | MHD  | 0.45        | 0.01        |
| tbIVehicleEF | MHD  | 1.2130e-003 | 1.7094e-003 |
| tbIVehicleEF | MHD  | 0.01        | 0.01        |
| tbIVehicleEF | MHD  | 7.5800e-004 | 2.2592e-005 |
| tbIVehicleEF | MHD  | 5.2400e-004 | 8.1804e-003 |
| tbIVehicleEF | MHD  | 0.05        | 2.1993e-003 |
| tbIVehicleEF | MHD  | 0.04        | 0.04        |
| tbIVehicleEF | MHD  | 2.6600e-004 | 0.00        |
| tbIVehicleEF | MHD  | 0.07        | 0.08        |
| tbIVehicleEF | MHD  | 0.03        | 9.8021e-003 |
| tbIVehicleEF | MHD  | 0.50        | 0.02        |
| tbIVehicleEF | OBUS | 0.01        | 0.04        |
| tbIVehicleEF | OBUS | 9.3020e-003 | 0.02        |
| tbIVehicleEF | OBUS | 0.03        | 4.5078e-003 |
| tbIVehicleEF | OBUS | 0.28        | 1.53        |
| tbIVehicleEF | OBUS | 0.58        | 0.70        |
| tbIVehicleEF | OBUS | 5.50        | 0.66        |
| tbIVehicleEF | OBUS | 110.36      | 185.88      |
| tbIVehicleEF | OBUS | 1,314.27    | 1,048.06    |
| tbIVehicleEF | OBUS | 67.24       | 3.60        |
| tbIVehicleEF | OBUS | 0.58        | 1.52        |
| tbIVehicleEF | OBUS | 1.90        | 3.11        |
| tbIVehicleEF | OBUS | 2.86        | 0.45        |
| tbIVehicleEF | OBUS | 2.0100e-004 | 1.6665e-003 |
| tbIVehicleEF | OBUS | 0.13        | 0.04        |
| tbIVehicleEF | OBUS | 0.01        | 0.01        |
| tbIVehicleEF | OBUS | 8.9640e-003 | 0.02        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 7.5500e-004 | 3.5406e-005 |
| tblVehicleEF | OBUS | 1.9200e-004 | 1.5944e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6760e-003 |
| tblVehicleEF | OBUS | 8.5580e-003 | 0.02        |
| tblVehicleEF | OBUS | 6.9400e-004 | 3.2554e-005 |
| tblVehicleEF | OBUS | 1.1920e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2803e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.17        |
| tblVehicleEF | OBUS | 5.1400e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.08        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.35        | 0.03        |
| tblVehicleEF | OBUS | 1.0650e-003 | 1.7707e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.8855e-003 |
| tblVehicleEF | OBUS | 7.6900e-004 | 3.5610e-005 |
| tblVehicleEF | OBUS | 1.1920e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2803e-003 |
| tblVehicleEF | OBUS | 0.05        | 0.25        |
| tblVehicleEF | OBUS | 5.1400e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.09        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.38        | 0.03        |
| tblVehicleEF | OBUS | 0.01        | 0.04        |
| tblVehicleEF | OBUS | 9.5280e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.03        | 3.7904e-003 |
| tblVehicleEF | OBUS | 0.27        | 1.51        |
| tblVehicleEF | OBUS | 0.60        | 0.72        |
| tblVehicleEF | OBUS | 5.02        | 0.48        |
| tblVehicleEF | OBUS | 115.93      | 189.39      |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 1,314.27    | 1,048.09    |
| tblVehicleEF | OBUS | 67.24       | 3.31        |
| tblVehicleEF | OBUS | 0.60        | 1.55        |
| tblVehicleEF | OBUS | 1.82        | 2.98        |
| tblVehicleEF | OBUS | 2.80        | 0.44        |
| tblVehicleEF | OBUS | 1.6900e-004 | 1.4098e-003 |
| tblVehicleEF | OBUS | 0.13        | 0.04        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 8.9640e-003 | 0.02        |
| tblVehicleEF | OBUS | 7.5500e-004 | 3.5406e-005 |
| tblVehicleEF | OBUS | 1.6200e-004 | 1.3487e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6760e-003 |
| tblVehicleEF | OBUS | 8.5580e-003 | 0.02        |
| tblVehicleEF | OBUS | 6.9400e-004 | 3.2554e-005 |
| tblVehicleEF | OBUS | 2.6670e-003 | 0.03        |
| tblVehicleEF | OBUS | 0.02        | 6.8047e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.17        |
| tblVehicleEF | OBUS | 1.0870e-003 | 0.00        |
| tblVehicleEF | OBUS | 0.08        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.32        | 0.02        |
| tblVehicleEF | OBUS | 1.1180e-003 | 1.8039e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.8858e-003 |
| tblVehicleEF | OBUS | 7.6100e-004 | 3.2735e-005 |
| tblVehicleEF | OBUS | 2.6670e-003 | 0.03        |
| tblVehicleEF | OBUS | 0.02        | 6.8047e-003 |
| tblVehicleEF | OBUS | 0.05        | 0.25        |
| tblVehicleEF | OBUS | 1.0870e-003 | 0.00        |
| tblVehicleEF | OBUS | 0.09        | 0.09        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.35        | 0.02        |
| tblVehicleEF | OBUS | 0.01        | 0.04        |
| tblVehicleEF | OBUS | 9.1270e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.03        | 5.1521e-003 |
| tblVehicleEF | OBUS | 0.30        | 1.55        |
| tblVehicleEF | OBUS | 0.57        | 0.69        |
| tblVehicleEF | OBUS | 5.94        | 0.83        |
| tblVehicleEF | OBUS | 102.66      | 181.03      |
| tblVehicleEF | OBUS | 1,314.27    | 1,048.04    |
| tblVehicleEF | OBUS | 67.24       | 3.89        |
| tblVehicleEF | OBUS | 0.56        | 1.48        |
| tblVehicleEF | OBUS | 1.94        | 3.17        |
| tblVehicleEF | OBUS | 2.92        | 0.45        |
| tblVehicleEF | OBUS | 2.4400e-004 | 2.0211e-003 |
| tblVehicleEF | OBUS | 0.13        | 0.04        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 8.9640e-003 | 0.02        |
| tblVehicleEF | OBUS | 7.5500e-004 | 3.5406e-005 |
| tblVehicleEF | OBUS | 2.3400e-004 | 1.9336e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6760e-003 |
| tblVehicleEF | OBUS | 8.5580e-003 | 0.02        |
| tblVehicleEF | OBUS | 6.9400e-004 | 3.2554e-005 |
| tblVehicleEF | OBUS | 6.3700e-004 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 5.8218e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.17        |
| tblVehicleEF | OBUS | 2.9000e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.07        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.36        | 0.03        |
| tblVehicleEF | OBUS | 9.9100e-004 | 1.7248e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.8853e-003 |
| tblVehicleEF | OBUS | 7.7600e-004 | 3.8491e-005 |
| tblVehicleEF | OBUS | 6.3700e-004 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 5.8218e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.25        |
| tblVehicleEF | OBUS | 2.9000e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.09        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.40        | 0.03        |
| tblVehicleEF | SBUS | 0.86        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.09        | 4.3659e-003 |
| tblVehicleEF | SBUS | 8.04        | 0.18        |
| tblVehicleEF | SBUS | 1.25        | 0.25        |
| tblVehicleEF | SBUS | 10.59       | 0.46        |
| tblVehicleEF | SBUS | 1,134.67    | 38.87       |
| tblVehicleEF | SBUS | 1,066.60    | 1,087.41    |
| tblVehicleEF | SBUS | 54.09       | 3.11        |
| tblVehicleEF | SBUS | 9.77        | 0.05        |
| tblVehicleEF | SBUS | 4.41        | 0.36        |
| tblVehicleEF | SBUS | 12.56       | 0.05        |
| tblVehicleEF | SBUS | 0.01        | 1.0915e-004 |
| tblVehicleEF | SBUS | 0.74        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.03        |
| tblVehicleEF | SBUS | 0.02        | 6.7144e-003 |
| tblVehicleEF | SBUS | 8.6500e-004 | 7.8115e-006 |
| tblVehicleEF | SBUS | 0.01        | 1.0036e-004 |
| tblVehicleEF | SBUS | 0.32        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 2.6420e-003 | 7.6926e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4193e-003 |
| tblVehicleEF | SBUS | 7.9500e-004 | 7.1823e-006 |
| tblVehicleEF | SBUS | 3.7040e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.2925e-003 |
| tblVehicleEF | SBUS | 0.97        | 2.1627e-003 |
| tblVehicleEF | SBUS | 1.4870e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.13        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 7.5940e-003 |
| tblVehicleEF | SBUS | 0.53        | 0.02        |
| tblVehicleEF | SBUS | 0.01        | 0.00        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 7.2400e-004 | 3.0747e-005 |
| tblVehicleEF | SBUS | 3.7040e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.2925e-003 |
| tblVehicleEF | SBUS | 1.39        | 0.15        |
| tblVehicleEF | SBUS | 1.4870e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.16        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 7.5940e-003 |
| tblVehicleEF | SBUS | 0.58        | 0.02        |
| tblVehicleEF | SBUS | 0.86        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.08        | 3.9431e-003 |
| tblVehicleEF | SBUS | 7.91        | 0.18        |
| tblVehicleEF | SBUS | 1.28        | 0.25        |
| tblVehicleEF | SBUS | 7.78        | 0.39        |
| tblVehicleEF | SBUS | 1,186.23    | 38.87       |
| tblVehicleEF | SBUS | 1,066.60    | 1,087.41    |
| tblVehicleEF | SBUS | 54.09       | 2.99        |
| tblVehicleEF | SBUS | 10.08       | 0.05        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | SBUS | 4.22        | 0.36        |
| tbIVehicleEF | SBUS | 12.50       | 0.04        |
| tbIVehicleEF | SBUS | 8.8720e-003 | 1.0915e-004 |
| tbIVehicleEF | SBUS | 0.74        | 0.11        |
| tbIVehicleEF | SBUS | 0.01        | 0.03        |
| tbIVehicleEF | SBUS | 0.02        | 6.7144e-003 |
| tbIVehicleEF | SBUS | 8.6500e-004 | 7.8115e-006 |
| tbIVehicleEF | SBUS | 8.4880e-003 | 1.0036e-004 |
| tbIVehicleEF | SBUS | 0.32        | 0.04        |
| tbIVehicleEF | SBUS | 2.6420e-003 | 7.6926e-003 |
| tbIVehicleEF | SBUS | 0.02        | 6.4193e-003 |
| tbIVehicleEF | SBUS | 7.9500e-004 | 7.1823e-006 |
| tbIVehicleEF | SBUS | 8.3470e-003 | 0.02        |
| tbIVehicleEF | SBUS | 0.04        | 4.7382e-003 |
| tbIVehicleEF | SBUS | 0.96        | 2.1627e-003 |
| tbIVehicleEF | SBUS | 3.1820e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.13        | 0.06        |
| tbIVehicleEF | SBUS | 0.02        | 7.9992e-003 |
| tbIVehicleEF | SBUS | 0.44        | 0.01        |
| tbIVehicleEF | SBUS | 0.01        | 0.00        |
| tbIVehicleEF | SBUS | 0.01        | 0.01        |
| tbIVehicleEF | SBUS | 6.7700e-004 | 2.9591e-005 |
| tbIVehicleEF | SBUS | 8.3470e-003 | 0.02        |
| tbIVehicleEF | SBUS | 0.04        | 4.7382e-003 |
| tbIVehicleEF | SBUS | 1.39        | 0.15        |
| tbIVehicleEF | SBUS | 3.1820e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.16        | 0.11        |
| tbIVehicleEF | SBUS | 0.02        | 7.9992e-003 |
| tbIVehicleEF | SBUS | 0.48        | 0.02        |
| tbIVehicleEF | SBUS | 0.86        | 0.15        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.10        | 4.7319e-003 |
| tblVehicleEF | SBUS | 8.20        | 0.18        |
| tblVehicleEF | SBUS | 1.22        | 0.25        |
| tblVehicleEF | SBUS | 13.43       | 0.53        |
| tblVehicleEF | SBUS | 1,063.46    | 38.87       |
| tblVehicleEF | SBUS | 1,066.60    | 1,087.40    |
| tblVehicleEF | SBUS | 54.09       | 3.23        |
| tblVehicleEF | SBUS | 9.34        | 0.05        |
| tblVehicleEF | SBUS | 4.50        | 0.36        |
| tblVehicleEF | SBUS | 12.61       | 0.05        |
| tblVehicleEF | SBUS | 0.01        | 1.0915e-004 |
| tblVehicleEF | SBUS | 0.74        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.03        |
| tblVehicleEF | SBUS | 0.02        | 6.7144e-003 |
| tblVehicleEF | SBUS | 8.6500e-004 | 7.8115e-006 |
| tblVehicleEF | SBUS | 0.01        | 1.0036e-004 |
| tblVehicleEF | SBUS | 0.32        | 0.04        |
| tblVehicleEF | SBUS | 2.6420e-003 | 7.6926e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4193e-003 |
| tblVehicleEF | SBUS | 7.9500e-004 | 7.1823e-006 |
| tblVehicleEF | SBUS | 1.9750e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 3.9516e-003 |
| tblVehicleEF | SBUS | 0.97        | 2.1627e-003 |
| tblVehicleEF | SBUS | 8.4200e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.12        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 7.8145e-003 |
| tblVehicleEF | SBUS | 0.60        | 0.02        |
| tblVehicleEF | SBUS | 0.01        | 0.00        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 7.7000e-004 | 3.1897e-005 |
| tblVehicleEF | SBUS | 1.9750e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 3.9516e-003 |
| tblVehicleEF | SBUS | 1.40        | 0.15        |
| tblVehicleEF | SBUS | 8.4200e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.15        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 7.8145e-003 |
| tblVehicleEF | SBUS | 0.66        | 0.02        |
| tblVehicleEF | UBUS | 0.28        | 4.25        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 5.43        | 49.03       |
| tblVehicleEF | UBUS | 8.06        | 0.00        |
| tblVehicleEF | UBUS | 2,118.14    | 1,298.95    |
| tblVehicleEF | UBUS | 94.20       | 0.00        |
| tblVehicleEF | UBUS | 11.45       | 0.06        |
| tblVehicleEF | UBUS | 15.24       | 0.00        |
| tblVehicleEF | UBUS | 0.62        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |
| tblVehicleEF | UBUS | 0.26        | 2.9496e-004 |
| tblVehicleEF | UBUS | 1.0370e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 0.04        |
| tblVehicleEF | UBUS | 3.0000e-003 | 8.1796e-003 |
| tblVehicleEF | UBUS | 0.25        | 2.8220e-004 |
| tblVehicleEF | UBUS | 9.5300e-004 | 0.00        |
| tblVehicleEF | UBUS | 2.2720e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 1.0590e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.72        | 0.06        |
| tblVehicleEF | UBUS | 8.0440e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.55        | 0.00        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | UBUS | 0.02        | 0.00        |
| tbIVehicleEF | UBUS | 1.0850e-003 | 0.00        |
| tbIVehicleEF | UBUS | 2.2720e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.04        | 0.00        |
| tbIVehicleEF | UBUS | 1.0590e-003 | 0.00        |
| tbIVehicleEF | UBUS | 1.05        | 4.33        |
| tbIVehicleEF | UBUS | 8.0440e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.61        | 0.00        |
| tbIVehicleEF | UBUS | 0.28        | 4.25        |
| tbIVehicleEF | UBUS | 0.04        | 0.00        |
| tbIVehicleEF | UBUS | 5.50        | 49.03       |
| tbIVehicleEF | UBUS | 6.40        | 0.00        |
| tbIVehicleEF | UBUS | 2,118.14    | 1,298.95    |
| tbIVehicleEF | UBUS | 94.20       | 0.00        |
| tbIVehicleEF | UBUS | 10.98       | 0.06        |
| tbIVehicleEF | UBUS | 15.18       | 0.00        |
| tbIVehicleEF | UBUS | 0.62        | 0.11        |
| tbIVehicleEF | UBUS | 0.01        | 0.03        |
| tbIVehicleEF | UBUS | 0.26        | 2.9496e-004 |
| tbIVehicleEF | UBUS | 1.0370e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.27        | 0.04        |
| tbIVehicleEF | UBUS | 3.0000e-003 | 8.1796e-003 |
| tbIVehicleEF | UBUS | 0.25        | 2.8220e-004 |
| tbIVehicleEF | UBUS | 9.5300e-004 | 0.00        |
| tbIVehicleEF | UBUS | 5.4590e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.05        | 0.00        |
| tbIVehicleEF | UBUS | 2.5450e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.73        | 0.06        |
| tbIVehicleEF | UBUS | 7.4030e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.48        | 0.00        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 0.02        | 0.00        |
| tblVehicleEF | UBUS | 1.0570e-003 | 0.00        |
| tblVehicleEF | UBUS | 5.4590e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 2.5450e-003 | 0.00        |
| tblVehicleEF | UBUS | 1.07        | 4.33        |
| tblVehicleEF | UBUS | 7.4030e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.53        | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 4.25        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 5.39        | 49.03       |
| tblVehicleEF | UBUS | 9.65        | 0.00        |
| tblVehicleEF | UBUS | 2,118.14    | 1,298.95    |
| tblVehicleEF | UBUS | 94.20       | 0.00        |
| tblVehicleEF | UBUS | 11.63       | 0.06        |
| tblVehicleEF | UBUS | 15.29       | 0.00        |
| tblVehicleEF | UBUS | 0.62        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |
| tblVehicleEF | UBUS | 0.26        | 2.9496e-004 |
| tblVehicleEF | UBUS | 1.0370e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 0.04        |
| tblVehicleEF | UBUS | 3.0000e-003 | 8.1796e-003 |
| tblVehicleEF | UBUS | 0.25        | 2.8220e-004 |
| tblVehicleEF | UBUS | 9.5300e-004 | 0.00        |
| tblVehicleEF | UBUS | 1.1910e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 5.3700e-004 | 0.00        |
| tblVehicleEF | UBUS | 0.71        | 0.06        |
| tblVehicleEF | UBUS | 9.8390e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.62        | 0.00        |



**Mitigated Construction**

|         | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4    | N2O    | CO2e   |
|---------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|--------|--------|--------|
| Year    | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |          |           |        |        |        |
| 2021    | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 5.7323       | 0.0000     | 0.0000         | 5.3072        | 0.0000      | 0.0000   | 0.0000   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| 2022    | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.6515       | 0.0000     | 0.0000         | 0.6059        | 0.0000      | 0.0000   | 0.0000   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| Maximum | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 5.7323       | 0.0000     | 0.0000         | 5.3072        | 0.0000      | 0.0000   | 0.0000   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

**2.2 Overall Operational**

**Unmitigated Operational**

|          | ROG    | NOx         | CO      | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2   | Total CO2  | CH4         | N2O    | CO2e       |
|----------|--------|-------------|---------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|------------|------------|-------------|--------|------------|
| Category | lb/day |             |         |             |               |              |             |                |               |             | lb/day   |            |            |             |        |            |
| Area     | 1.8890 | 2.5000e-004 | 0.0276  | 0.0000      |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0589     | 0.0589     | 1.6000e-004 |        | 0.0628     |
| Energy   | 0.0577 | 0.5243      | 0.4405  | 3.1500e-003 |               | 0.0399       | 0.0399      |                | 0.0399        | 0.0399      |          | 629.2087   | 629.2087   | 0.0121      | 0.0115 | 632.9478   |
| Mobile   | 1.2200 | 1.4907      | 10.8651 | 0.0341      | 2.4728        | 0.0280       | 2.5007      | 0.6321         | 0.0267        | 0.6587      |          | 2,931.0871 | 2,931.0871 | 0.1419      |        | 2,934.6349 |
| Total    | 3.1666 | 2.0153      | 11.3332 | 0.0373      | 2.4728        | 0.0679       | 2.5407      | 0.6321         | 0.0666        | 0.6987      |          | 3,560.3547 | 3,560.3547 | 0.1541      | 0.0115 | 3,567.6454 |

**Mitigated Operational**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio-CO2          | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Area         | 1.8890        | 2.5000e-004   | 0.0276         | 0.0000        |               | 1.0000e-004   | 1.0000e-004   |                | 1.0000e-004   | 1.0000e-004   |          | 0.0589            | 0.0589            | 1.6000e-004   |               | 0.0628            |
| Energy       | 0.0577        | 0.5243        | 0.4405         | 3.1500e-003   |               | 0.0399        | 0.0399        |                | 0.0399        | 0.0399        |          | 629.2087          | 629.2087          | 0.0121        | 0.0115        | 632.9478          |
| Mobile       | 1.2200        | 1.4907        | 10.8651        | 0.0341        | 2.4728        | 0.0280        | 2.5007        | 0.6321         | 0.0267        | 0.6587        |          | 2,931.0871        | 2,931.0871        | 0.1419        |               | 2,934.6349        |
| <b>Total</b> | <b>3.1666</b> | <b>2.0153</b> | <b>11.3332</b> | <b>0.0373</b> | <b>2.4728</b> | <b>0.0679</b> | <b>2.5407</b> | <b>0.6321</b>  | <b>0.0666</b> | <b>0.6987</b> |          | <b>3,560.3547</b> | <b>3,560.3547</b> | <b>0.1541</b> | <b>0.0115</b> | <b>3,567.6454</b> |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 9/1/2021   | 8/31/2021  | 5             | 0        |                   |
| 2            | Site Preparation      | Site Preparation      | 9/29/2021  | 9/28/2021  | 5             | 0        |                   |
| 3            | Grading               | Grading               | 10/13/2021 | 10/12/2021 | 5             | 0        |                   |
| 4            | Building Construction | Building Construction | 11/10/2021 | 11/4/2021  | 5             | 0        |                   |
| 5            | Paving                | Paving                | 9/28/2022  | 9/27/2022  | 5             | 0        |                   |
| 6            | Architectural Coating | Architectural Coating | 10/26/2022 | 10/25/2022 | 5             | 0        |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 111,000; Non-Residential Outdoor: 37,000; Striped Parking Area:

**OffRoad Equipment**

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 113.00             | 44.00              | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |





### 3.3 Site Preparation - 2021

#### Unmitigated Construction On-Site

|               | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category      | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Fugitive Dust | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Off-Road      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

#### Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

#### Mitigated Construction On-Site





**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Unmitigated Construction Off-Site**

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|

| Category     | lb/day        |               |               |               |               |               |               |               |               |               | lb/day        |               |               |               |               |               |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|              | Hauling       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction Off-Site**

|          | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4    | N2O    | CO2e   |
|----------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|--------|--------|--------|
| Category | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |          |           |        |        |        |
| Hauling  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| Vendor   | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |



**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Paving       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|



|              |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2   | Total CO2  | CH4    | N2O | CO2e       |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |            |            |        |     |            |
| Mitigated   | 1.2200 | 1.4907 | 10.8651 | 0.0341 | 2.4728        | 0.0280       | 2.5007     | 0.6321         | 0.0267        | 0.6587      |          | 2,931.0871 | 2,931.0871 | 0.1419 |     | 2,934.6349 |
| Unmitigated | 1.2200 | 1.4907 | 10.8651 | 0.0341 | 2.4728        | 0.0280       | 2.5007     | 0.6321         | 0.0267        | 0.6587      |          | 2,931.0871 | 2,931.0871 | 0.1419 |     | 2,934.6349 |

#### 4.2 Trip Summary Information

| Land Use      | Average Daily Trip Rate |             |             | Unmitigated    | Mitigated      |
|---------------|-------------------------|-------------|-------------|----------------|----------------|
|               | Weekday                 | Saturday    | Sunday      | Annual VMT     | Annual VMT     |
| Manufacturing | 394.42                  | 0.00        | 0.00        | 881,718        | 881,718        |
| Parking Lot   | 0.00                    | 0.00        | 0.00        |                |                |
| <b>Total</b>  | <b>394.42</b>           | <b>0.00</b> | <b>0.00</b> | <b>881,718</b> | <b>881,718</b> |

#### 4.3 Trip Type Information

| Land Use      | Miles      |            |             | Trip %    |            |             | Trip Purpose % |          |         |
|---------------|------------|------------|-------------|-----------|------------|-------------|----------------|----------|---------|
|               | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C- | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Manufacturing | 9.50       | 7.30       | 7.30        | 59.00     | 28.00      | 13.00       | 100            | 0        | 0       |
| Parking Lot   | 9.50       | 7.30       | 7.30        | 0.00      | 0.00       | 0.00        | 0              | 0        | 0       |

#### 4.4 Fleet Mix

| Land Use      | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Manufacturing | 0.607897 | 0.037434 | 0.184004 | 0.107261 | 0.014919 | 0.004991 | 0.012447 | 0.020659 | 0.002115 | 0.001554 | 0.005334 | 0.000623 | 0.000761 |
| Parking Lot   | 0.607897 | 0.037434 | 0.184004 | 0.107261 | 0.014919 | 0.004991 | 0.012447 | 0.020659 | 0.002115 | 0.001554 | 0.005334 | 0.000623 | 0.000761 |

#### 5.0 Energy Detail

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Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

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| Category | ROG    | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|--------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|          | lb/day |     |    |     |               |              |            |                |               |             | lb/day   |          |           |     |     |      |

|                        |        |        |        |             |  |        |        |  |        |        |  |          |          |        |        |          |
|------------------------|--------|--------|--------|-------------|--|--------|--------|--|--------|--------|--|----------|----------|--------|--------|----------|
| NaturalGas Mitigated   | 0.0577 | 0.5243 | 0.4405 | 3.1500e-003 |  | 0.0399 | 0.0399 |  | 0.0399 | 0.0399 |  | 629.2087 | 629.2087 | 0.0121 | 0.0115 | 632.9478 |
| NaturalGas Unmitigated | 0.0577 | 0.5243 | 0.4405 | 3.1500e-003 |  | 0.0399 | 0.0399 |  | 0.0399 | 0.0399 |  | 629.2087 | 629.2087 | 0.0121 | 0.0115 | 632.9478 |

## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

|               | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|---------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Land Use      | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |               |                 |
| Manufacturing | 5348.27        | 0.0577        | 0.5243        | 0.4405        | 3.1500e-003        |               | 0.0399        | 0.0399        |                | 0.0399        | 0.0399        |          | 629.2087        | 629.2087        | 0.0121        | 0.0115        | 632.9478        |
| Parking Lot   | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b>  |                | <b>0.0577</b> | <b>0.5243</b> | <b>0.4405</b> | <b>3.1500e-003</b> |               | <b>0.0399</b> | <b>0.0399</b> |                | <b>0.0399</b> | <b>0.0399</b> |          | <b>629.2087</b> | <b>629.2087</b> | <b>0.0121</b> | <b>0.0115</b> | <b>632.9478</b> |

### Mitigated

|               | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|---------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Land Use      | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |               |                 |
| Manufacturing | 5.34827        | 0.0577        | 0.5243        | 0.4405        | 3.1500e-003        |               | 0.0399        | 0.0399        |                | 0.0399        | 0.0399        |          | 629.2087        | 629.2087        | 0.0121        | 0.0115        | 632.9478        |
| Parking Lot   | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b>  |                | <b>0.0577</b> | <b>0.5243</b> | <b>0.4405</b> | <b>3.1500e-003</b> |               | <b>0.0399</b> | <b>0.0399</b> |                | <b>0.0399</b> | <b>0.0399</b> |          | <b>629.2087</b> | <b>629.2087</b> | <b>0.0121</b> | <b>0.0115</b> | <b>632.9478</b> |

## 6.0 Area Detail

## 6.1 Mitigation Measures Area

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 1.8890 | 2.5000e-004 | 0.0276 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0589    | 0.0589    | 1.6000e-004 |     | 0.0628 |
| Unmitigated | 1.8890 | 2.5000e-004 | 0.0276 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0589    | 0.0589    | 1.6000e-004 |     | 0.0628 |

## 6.2 Area by SubCategory

### Unmitigated

|                       | ROG           | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day        |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 0.2337        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 1.6527        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 2.5800e-003   | 2.5000e-004        | 0.0276        | 0.0000        |               | 1.0000e-004        | 1.0000e-004        |                | 1.0000e-004        | 1.0000e-004        |          | 0.0589        | 0.0589        | 1.6000e-004        |     | 0.0628        |
| <b>Total</b>          | <b>1.8890</b> | <b>2.5000e-004</b> | <b>0.0276</b> | <b>0.0000</b> |               | <b>1.0000e-004</b> | <b>1.0000e-004</b> |                | <b>1.0000e-004</b> | <b>1.0000e-004</b> |          | <b>0.0589</b> | <b>0.0589</b> | <b>1.6000e-004</b> |     | <b>0.0628</b> |

### Mitigated

|                       | ROG           | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio-CO2      | Total CO2     | CH4                | N2O | CO2e |               |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|------|---------------|
| SubCategory           | lb/day        |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |      |               |
| Architectural Coating | 0.2337        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     |      | 0.0000        |
| Consumer Products     | 1.6527        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     |      | 0.0000        |
| Landscaping           | 2.5800e-003   | 2.5000e-004        | 0.0276        | 0.0000        |               | 1.0000e-004        | 1.0000e-004        |                | 1.0000e-004        | 1.0000e-004        |          | 0.0589        | 0.0589        | 1.6000e-004        |     |      | 0.0628        |
| <b>Total</b>          | <b>1.8890</b> | <b>2.5000e-004</b> | <b>0.0276</b> | <b>0.0000</b> |               | <b>1.0000e-004</b> | <b>1.0000e-004</b> |                | <b>1.0000e-004</b> | <b>1.0000e-004</b> |          | <b>0.0589</b> | <b>0.0589</b> | <b>1.6000e-004</b> |     |      | <b>0.0628</b> |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

## 9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

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Existing Old Bayshore - Santa Clara County, Winter

**Existing Old Bayshore  
Santa Clara County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses     | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|---------------|--------|----------|-------------|--------------------|------------|
| Manufacturing | 74.00  | 1000sqft | 1.70        | 74,000.00          | 0          |
| Parking Lot   | 195.00 | 1000sqft | 4.48        | 195,000.00         | 0          |

**1.2 Other Project Characteristics**

|                                |                                |                                |       |                                  |       |
|--------------------------------|--------------------------------|--------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>            | Urban                          | <b>Wind Speed (m/s)</b>        | 2.2   | <b>Precipitation Freq (Days)</b> | 58    |
| <b>Climate Zone</b>            | 4                              |                                |       | <b>Operational Year</b>          | 2021  |
| <b>Utility Company</b>         | Pacific Gas & Electric Company |                                |       |                                  |       |
| <b>CO2 Intensity (lb/MWhr)</b> | 641.35                         | <b>CH4 Intensity (lb/MWhr)</b> | 0.029 | <b>N2O Intensity (lb/MWhr)</b>   | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use -
- Construction Phase - Existing - no construction
- Grading -
- Vehicle Trips - Per trip gen memo
- Construction Off-road Equipment Mitigation - BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - Per AB 939

| Table Name             | Column Name                     | Default Value | New Value   |
|------------------------|---------------------------------|---------------|-------------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction  | 0             | 6           |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0             | 12          |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed    | 0             | 15          |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 230.00        | 0.00        |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 10.00         | 0.00        |
| tblVehicleEF           | HHD                             | 0.49          | 0.18        |
| tblVehicleEF           | HHD                             | 0.06          | 0.12        |
| tblVehicleEF           | HHD                             | 0.10          | 8.1737e-008 |
| tblVehicleEF           | HHD                             | 2.56          | 4.46        |
| tblVehicleEF           | HHD                             | 1.00          | 0.83        |
| tblVehicleEF           | HHD                             | 3.70          | 2.6658e-004 |
| tblVehicleEF           | HHD                             | 4,606.33      | 820.85      |
| tblVehicleEF           | HHD                             | 1,643.47      | 1,597.81    |
| tblVehicleEF           | HHD                             | 11.51         | 0.04        |
| tblVehicleEF           | HHD                             | 21.11         | 4.25        |
| tblVehicleEF           | HHD                             | 4.02          | 2.63        |
| tblVehicleEF           | HHD                             | 19.48         | 2.09        |
| tblVehicleEF           | HHD                             | 0.02          | 4.0021e-003 |
| tblVehicleEF           | HHD                             | 0.06          | 0.08        |
| tblVehicleEF           | HHD                             | 0.04          | 0.03        |
| tblVehicleEF           | HHD                             | 0.02          | 0.04        |
| tblVehicleEF           | HHD                             | 1.0300e-004   | 1.4534e-006 |
| tblVehicleEF           | HHD                             | 0.02          | 3.8250e-003 |
| tblVehicleEF           | HHD                             | 0.03          | 0.03        |
| tblVehicleEF           | HHD                             | 8.8230e-003   | 8.3699e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.02        | 0.03        |
| tblVehicleEF | HHD | 9.4000e-005 | 1.3363e-006 |
| tblVehicleEF | HHD | 1.0400e-004 | 4.2382e-004 |
| tblVehicleEF | HHD | 5.6370e-003 | 1.2606e-004 |
| tblVehicleEF | HHD | 0.65        | 0.31        |
| tblVehicleEF | HHD | 6.4000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.14        | 0.05        |
| tblVehicleEF | HHD | 4.9200e-004 | 1.1356e-003 |
| tblVehicleEF | HHD | 0.11        | 4.4434e-007 |
| tblVehicleEF | HHD | 0.04        | 7.3233e-003 |
| tblVehicleEF | HHD | 0.02        | 0.01        |
| tblVehicleEF | HHD | 1.7700e-004 | 3.6793e-007 |
| tblVehicleEF | HHD | 1.0400e-004 | 4.2382e-004 |
| tblVehicleEF | HHD | 5.6370e-003 | 1.2606e-004 |
| tblVehicleEF | HHD | 0.76        | 0.53        |
| tblVehicleEF | HHD | 6.4000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.21        | 0.17        |
| tblVehicleEF | HHD | 4.9200e-004 | 1.1356e-003 |
| tblVehicleEF | HHD | 0.12        | 4.8650e-007 |
| tblVehicleEF | HHD | 0.47        | 8.1687e-003 |
| tblVehicleEF | HHD | 0.06        | 8.9526e-003 |
| tblVehicleEF | HHD | 0.09        | 0.07        |
| tblVehicleEF | HHD | 1.86        | 0.19        |
| tblVehicleEF | HHD | 1.01        | 1.19        |
| tblVehicleEF | HHD | 3.40        | 2.95        |
| tblVehicleEF | HHD | 4,878.22    | 36.30       |
| tblVehicleEF | HHD | 1,643.47    | 374.36      |
| tblVehicleEF | HHD | 11.51       | 70.20       |
| tblVehicleEF | HHD | 21.79       | 0.18        |
| tblVehicleEF | HHD | 3.87        | 0.17        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 19.45       | 0.35        |
| tblVehicleEF | HHD | 0.02        | 1.6201e-004 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1837e-003 |
| tblVehicleEF | HHD | 0.02        | 2.9917e-003 |
| tblVehicleEF | HHD | 1.0300e-004 | 2.2279e-003 |
| tblVehicleEF | HHD | 0.02        | 1.5482e-004 |
| tblVehicleEF | HHD | 0.03        | 3.8152e-003 |
| tblVehicleEF | HHD | 8.8230e-003 | 2.2959e-003 |
| tblVehicleEF | HHD | 0.02        | 2.8115e-003 |
| tblVehicleEF | HHD | 9.4000e-005 | 2.0485e-003 |
| tblVehicleEF | HHD | 2.3900e-004 | 0.44        |
| tblVehicleEF | HHD | 6.0710e-003 | 0.11        |
| tblVehicleEF | HHD | 0.62        | 0.01        |
| tblVehicleEF | HHD | 1.3800e-004 | 0.00        |
| tblVehicleEF | HHD | 0.14        | 0.02        |
| tblVehicleEF | HHD | 4.7900e-004 | 0.26        |
| tblVehicleEF | HHD | 0.11        | 0.33        |
| tblVehicleEF | HHD | 0.05        | 3.2375e-004 |
| tblVehicleEF | HHD | 0.02        | 3.6439e-003 |
| tblVehicleEF | HHD | 1.7200e-004 | 6.9404e-004 |
| tblVehicleEF | HHD | 2.3900e-004 | 0.44        |
| tblVehicleEF | HHD | 6.0710e-003 | 0.11        |
| tblVehicleEF | HHD | 0.71        | 0.02        |
| tblVehicleEF | HHD | 1.3800e-004 | 0.00        |
| tblVehicleEF | HHD | 0.21        | 0.03        |
| tblVehicleEF | HHD | 4.7900e-004 | 0.26        |
| tblVehicleEF | HHD | 0.12        | 0.36        |
| tblVehicleEF | HHD | 0.53        | 8.1006e-003 |
| tblVehicleEF | HHD | 0.06        | 8.6483e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.11        | 0.09        |
| tblVehicleEF | HHD | 3.52        | 0.20        |
| tblVehicleEF | HHD | 1.00        | 0.88        |
| tblVehicleEF | HHD | 3.97        | 4.42        |
| tblVehicleEF | HHD | 4,230.85    | 36.56       |
| tblVehicleEF | HHD | 1,643.47    | 348.74      |
| tblVehicleEF | HHD | 11.51       | 72.93       |
| tblVehicleEF | HHD | 20.18       | 0.20        |
| tblVehicleEF | HHD | 4.08        | 0.19        |
| tblVehicleEF | HHD | 19.50       | 0.41        |
| tblVehicleEF | HHD | 0.02        | 1.9890e-004 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1837e-003 |
| tblVehicleEF | HHD | 0.02        | 2.9917e-003 |
| tblVehicleEF | HHD | 1.0300e-004 | 2.2279e-003 |
| tblVehicleEF | HHD | 0.02        | 1.9012e-004 |
| tblVehicleEF | HHD | 0.03        | 3.8152e-003 |
| tblVehicleEF | HHD | 8.8230e-003 | 2.2959e-003 |
| tblVehicleEF | HHD | 0.02        | 2.8115e-003 |
| tblVehicleEF | HHD | 9.4000e-005 | 2.0485e-003 |
| tblVehicleEF | HHD | 5.4000e-005 | 0.30        |
| tblVehicleEF | HHD | 5.9130e-003 | 0.09        |
| tblVehicleEF | HHD | 0.71        | 0.01        |
| tblVehicleEF | HHD | 3.3000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.14        | 0.01        |
| tblVehicleEF | HHD | 5.4600e-004 | 0.25        |
| tblVehicleEF | HHD | 0.12        | 0.45        |
| tblVehicleEF | HHD | 0.04        | 3.2626e-004 |
| tblVehicleEF | HHD | 0.02        | 3.3906e-003 |
| tblVehicleEF | HHD | 1.8100e-004 | 7.2099e-004 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 5.4000e-005 | 0.30        |
| tblVehicleEF | HHD | 5.9130e-003 | 0.09        |
| tblVehicleEF | HHD | 0.81        | 0.02        |
| tblVehicleEF | HHD | 3.3000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.21        | 0.03        |
| tblVehicleEF | HHD | 5.4600e-004 | 0.25        |
| tblVehicleEF | HHD | 0.13        | 0.49        |
| tblVehicleEF | LDA | 4.1020e-003 | 2.9990e-003 |
| tblVehicleEF | LDA | 6.2620e-003 | 0.08        |
| tblVehicleEF | LDA | 0.57        | 0.83        |
| tblVehicleEF | LDA | 1.33        | 3.59        |
| tblVehicleEF | LDA | 254.67      | 266.54      |
| tblVehicleEF | LDA | 59.39       | 69.17       |
| tblVehicleEF | LDA | 0.05        | 0.06        |
| tblVehicleEF | LDA | 0.08        | 0.28        |
| tblVehicleEF | LDA | 0.04        | 7.2660e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6890e-003 | 1.3087e-003 |
| tblVehicleEF | LDA | 2.2650e-003 | 2.1596e-003 |
| tblVehicleEF | LDA | 0.02        | 2.5431e-003 |
| tblVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA | 1.5560e-003 | 1.2036e-003 |
| tblVehicleEF | LDA | 2.0820e-003 | 1.9857e-003 |
| tblVehicleEF | LDA | 0.03        | 0.31        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.03        | 0.00        |
| tblVehicleEF | LDA | 0.01        | 0.01        |
| tblVehicleEF | LDA | 0.04        | 0.24        |
| tblVehicleEF | LDA | 0.08        | 0.38        |
| tblVehicleEF | LDA | 2.5500e-003 | 2.6350e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 6.1600e-004 | 6.8382e-004 |
| tblVehicleEF | LDA | 0.03        | 0.31        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.03        | 0.00        |
| tblVehicleEF | LDA | 0.02        | 0.02        |
| tblVehicleEF | LDA | 0.04        | 0.24        |
| tblVehicleEF | LDA | 0.09        | 0.41        |
| tblVehicleEF | LDA | 4.5670e-003 | 3.9967e-003 |
| tblVehicleEF | LDA | 5.1860e-003 | 0.05        |
| tblVehicleEF | LDA | 0.67        | 1.07        |
| tblVehicleEF | LDA | 1.05        | 2.49        |
| tblVehicleEF | LDA | 274.58      | 179.63      |
| tblVehicleEF | LDA | 59.39       | 47.96       |
| tblVehicleEF | LDA | 0.05        | 0.07        |
| tblVehicleEF | LDA | 0.07        | 0.20        |
| tblVehicleEF | LDA | 0.04        | 6.4212e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6890e-003 | 1.4170e-003 |
| tblVehicleEF | LDA | 2.2650e-003 | 1.8642e-003 |
| tblVehicleEF | LDA | 0.02        | 2.2474e-003 |
| tblVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA | 1.5560e-003 | 1.3156e-003 |
| tblVehicleEF | LDA | 2.0820e-003 | 1.7142e-003 |
| tblVehicleEF | LDA | 0.08        | 0.45        |
| tblVehicleEF | LDA | 0.12        | 0.10        |
| tblVehicleEF | LDA | 0.06        | 0.00        |
| tblVehicleEF | LDA | 0.01        | 0.02        |
| tblVehicleEF | LDA | 0.04        | 0.27        |
| tblVehicleEF | LDA | 0.07        | 0.27        |
| tblVehicleEF | LDA | 2.7510e-003 | 1.7743e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 6.1200e-004 | 4.7414e-004 |
| tblVehicleEF | LDA | 0.08        | 0.45        |
| tblVehicleEF | LDA | 0.12        | 0.10        |
| tblVehicleEF | LDA | 0.06        | 0.00        |
| tblVehicleEF | LDA | 0.02        | 0.03        |
| tblVehicleEF | LDA | 0.04        | 0.27        |
| tblVehicleEF | LDA | 0.08        | 0.30        |
| tblVehicleEF | LDA | 3.9950e-003 | 3.6675e-003 |
| tblVehicleEF | LDA | 7.0990e-003 | 0.07        |
| tblVehicleEF | LDA | 0.56        | 0.79        |
| tblVehicleEF | LDA | 1.55        | 3.78        |
| tblVehicleEF | LDA | 251.39      | 165.80      |
| tblVehicleEF | LDA | 59.39       | 50.36       |
| tblVehicleEF | LDA | 0.06        | 0.09        |
| tblVehicleEF | LDA | 0.09        | 0.24        |
| tblVehicleEF | LDA | 0.04        | 6.4212e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6890e-003 | 1.4170e-003 |
| tblVehicleEF | LDA | 2.2650e-003 | 1.8642e-003 |
| tblVehicleEF | LDA | 0.02        | 2.2474e-003 |
| tblVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA | 1.5560e-003 | 1.3156e-003 |
| tblVehicleEF | LDA | 2.0820e-003 | 1.7142e-003 |
| tblVehicleEF | LDA | 0.02        | 0.30        |
| tblVehicleEF | LDA | 0.11        | 0.09        |
| tblVehicleEF | LDA | 0.01        | 0.00        |
| tblVehicleEF | LDA | 0.01        | 0.02        |
| tblVehicleEF | LDA | 0.05        | 0.27        |
| tblVehicleEF | LDA | 0.10        | 0.38        |
| tblVehicleEF | LDA | 2.5170e-003 | 1.6376e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDA  | 6.2000e-004 | 4.9790e-004 |
| tblVehicleEF | LDA  | 0.02        | 0.30        |
| tblVehicleEF | LDA  | 0.11        | 0.09        |
| tblVehicleEF | LDA  | 0.01        | 0.00        |
| tblVehicleEF | LDA  | 0.01        | 0.02        |
| tblVehicleEF | LDA  | 0.05        | 0.27        |
| tblVehicleEF | LDA  | 0.10        | 0.41        |
| tblVehicleEF | LDT1 | 0.01        | 8.4967e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.13        |
| tblVehicleEF | LDT1 | 1.23        | 1.82        |
| tblVehicleEF | LDT1 | 2.89        | 6.48        |
| tblVehicleEF | LDT1 | 312.93      | 340.86      |
| tblVehicleEF | LDT1 | 72.25       | 90.33       |
| tblVehicleEF | LDT1 | 0.12        | 0.18        |
| tblVehicleEF | LDT1 | 0.16        | 0.45        |
| tblVehicleEF | LDT1 | 0.04        | 9.2118e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.3880e-003 | 2.3494e-003 |
| tblVehicleEF | LDT1 | 3.1640e-003 | 3.3991e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.2241e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.1990e-003 | 2.1646e-003 |
| tblVehicleEF | LDT1 | 2.9100e-003 | 3.1257e-003 |
| tblVehicleEF | LDT1 | 0.09        | 0.67        |
| tblVehicleEF | LDT1 | 0.24        | 0.19        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.04        |
| tblVehicleEF | LDT1 | 0.17        | 0.55        |
| tblVehicleEF | LDT1 | 0.20        | 0.67        |
| tblVehicleEF | LDT1 | 3.1440e-003 | 3.3673e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 7.7300e-004 | 8.9305e-004 |
| tblVehicleEF | LDT1 | 0.09        | 0.67        |
| tblVehicleEF | LDT1 | 0.24        | 0.19        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.06        |
| tblVehicleEF | LDT1 | 0.17        | 0.55        |
| tblVehicleEF | LDT1 | 0.21        | 0.73        |
| tblVehicleEF | LDT1 | 0.01        | 4.0137e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.08        |
| tblVehicleEF | LDT1 | 1.42        | 1.36        |
| tblVehicleEF | LDT1 | 2.27        | 3.44        |
| tblVehicleEF | LDT1 | 336.30      | 388.22      |
| tblVehicleEF | LDT1 | 72.25       | 92.37       |
| tblVehicleEF | LDT1 | 0.11        | 0.08        |
| tblVehicleEF | LDT1 | 0.14        | 0.37        |
| tblVehicleEF | LDT1 | 0.04        | 8.9225e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.3880e-003 | 1.4897e-003 |
| tblVehicleEF | LDT1 | 3.1640e-003 | 2.3033e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.1990e-003 | 1.3703e-003 |
| tblVehicleEF | LDT1 | 2.9100e-003 | 2.1178e-003 |
| tblVehicleEF | LDT1 | 0.22        | 0.42        |
| tblVehicleEF | LDT1 | 0.27        | 0.10        |
| tblVehicleEF | LDT1 | 0.15        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.02        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.16        | 0.39        |
| tblVehicleEF | LDT1 | 3.3800e-003 | 3.8380e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 7.6200e-004 | 9.1319e-004 |
| tblVehicleEF | LDT1 | 0.22        | 0.42        |
| tblVehicleEF | LDT1 | 0.27        | 0.10        |
| tblVehicleEF | LDT1 | 0.15        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.02        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.18        | 0.43        |
| tblVehicleEF | LDT1 | 9.8780e-003 | 3.6523e-003 |
| tblVehicleEF | LDT1 | 0.02        | 0.11        |
| tblVehicleEF | LDT1 | 1.21        | 0.99        |
| tblVehicleEF | LDT1 | 3.40        | 5.16        |
| tblVehicleEF | LDT1 | 309.08      | 360.71      |
| tblVehicleEF | LDT1 | 72.25       | 95.57       |
| tblVehicleEF | LDT1 | 0.14        | 0.11        |
| tblVehicleEF | LDT1 | 0.18        | 0.46        |
| tblVehicleEF | LDT1 | 0.04        | 8.9225e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.3880e-003 | 1.4897e-003 |
| tblVehicleEF | LDT1 | 3.1640e-003 | 2.3033e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.1990e-003 | 1.3703e-003 |
| tblVehicleEF | LDT1 | 2.9100e-003 | 2.1178e-003 |
| tblVehicleEF | LDT1 | 0.05        | 0.29        |
| tblVehicleEF | LDT1 | 0.26        | 0.08        |
| tblVehicleEF | LDT1 | 0.04        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.02        |
| tblVehicleEF | LDT1 | 0.20        | 0.24        |
| tblVehicleEF | LDT1 | 0.22        | 0.53        |
| tblVehicleEF | LDT1 | 3.1050e-003 | 3.5660e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 7.8200e-004 | 9.4485e-004 |
| tblVehicleEF | LDT1 | 0.05        | 0.29        |
| tblVehicleEF | LDT1 | 0.26        | 0.08        |
| tblVehicleEF | LDT1 | 0.04        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.02        |
| tblVehicleEF | LDT1 | 0.20        | 0.24        |
| tblVehicleEF | LDT1 | 0.24        | 0.58        |
| tblVehicleEF | LDT2 | 0.00        | 3.3734e-005 |
| tblVehicleEF | LDT2 | 5.9280e-003 | 3.9685e-003 |
| tblVehicleEF | LDT2 | 8.2010e-003 | 0.09        |
| tblVehicleEF | LDT2 | 0.00        | 6.0227e-003 |
| tblVehicleEF | LDT2 | 0.77        | 1.02        |
| tblVehicleEF | LDT2 | 1.72        | 4.02        |
| tblVehicleEF | LDT2 | 0.00        | 0.90        |
| tblVehicleEF | LDT2 | 357.28      | 373.12      |
| tblVehicleEF | LDT2 | 82.63       | 86.24       |
| tblVehicleEF | LDT2 | 0.00        | 0.02        |
| tblVehicleEF | LDT2 | 0.08        | 0.18        |
| tblVehicleEF | LDT2 | 0.14        | 0.39        |
| tblVehicleEF | LDT2 | 0.00        | 1.8970e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.01        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.1368e-003 |
| tblVehicleEF | LDT2 | 1.6320e-003 | 3.0986e-003 |
| tblVehicleEF | LDT2 | 2.2340e-003 | 2.1108e-003 |
| tblVehicleEF | LDT2 | 0.00        | 1.8149e-004 |
| tblVehicleEF | LDT2 | 0.02        | 3.9424e-003 |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0342e-003 |
| tblVehicleEF | LDT2 | 1.5010e-003 | 2.9115e-003 |
| tblVehicleEF | LDT2 | 2.0540e-003 | 1.9409e-003 |
| tblVehicleEF | LDT2 | 0.04        | 0.29        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.12        | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 7.2627e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.00        |
| tblVehicleEF | LDT2 | 0.01        | 0.02        |
| tblVehicleEF | LDT2 | 0.07        | 0.22        |
| tblVehicleEF | LDT2 | 0.11        | 0.43        |
| tblVehicleEF | LDT2 | 0.00        | 8.5637e-006 |
| tblVehicleEF | LDT2 | 3.5790e-003 | 3.6796e-003 |
| tblVehicleEF | LDT2 | 8.5600e-004 | 8.5258e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.29        |
| tblVehicleEF | LDT2 | 0.12        | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 8.2690e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.03        |
| tblVehicleEF | LDT2 | 0.07        | 0.22        |
| tblVehicleEF | LDT2 | 0.12        | 0.47        |
| tblVehicleEF | LDT2 | 0.00        | 7.8845e-003 |
| tblVehicleEF | LDT2 | 6.5840e-003 | 0.01        |
| tblVehicleEF | LDT2 | 6.7950e-003 | 0.04        |
| tblVehicleEF | LDT2 | 0.00        | 0.24        |
| tblVehicleEF | LDT2 | 0.91        | 1.32        |
| tblVehicleEF | LDT2 | 1.36        | 2.70        |
| tblVehicleEF | LDT2 | 0.00        | 7.96        |
| tblVehicleEF | LDT2 | 384.48      | 851.42      |
| tblVehicleEF | LDT2 | 82.63       | 25.62       |
| tblVehicleEF | LDT2 | 0.00        | 2.5816e-003 |
| tblVehicleEF | LDT2 | 0.08        | 0.21        |
| tblVehicleEF | LDT2 | 0.13        | 0.64        |
| tblVehicleEF | LDT2 | 0.04        | 0.07        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 1.6320e-003 | 2.0078e-003 |
| tblVehicleEF | LDT2 | 2.2340e-003 | 4.3410e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT2 | 1.5010e-003 | 1.8563e-003 |
| tblVehicleEF | LDT2 | 2.0540e-003 | 3.9914e-004 |
| tblVehicleEF | LDT2 | 0.10        | 0.27        |
| tblVehicleEF | LDT2 | 0.13        | 0.06        |
| tblVehicleEF | LDT2 | 0.00        | 0.03        |
| tblVehicleEF | LDT2 | 0.08        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.06        |
| tblVehicleEF | LDT2 | 0.07        | 0.30        |
| tblVehicleEF | LDT2 | 0.09        | 0.18        |
| tblVehicleEF | LDT2 | 0.00        | 7.8680e-005 |
| tblVehicleEF | LDT2 | 3.8520e-003 | 8.4112e-003 |
| tblVehicleEF | LDT2 | 8.4900e-004 | 2.5325e-004 |
| tblVehicleEF | LDT2 | 0.10        | 0.27        |
| tblVehicleEF | LDT2 | 0.13        | 0.06        |
| tblVehicleEF | LDT2 | 0.00        | 0.04        |
| tblVehicleEF | LDT2 | 0.08        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.08        |
| tblVehicleEF | LDT2 | 0.07        | 0.30        |
| tblVehicleEF | LDT2 | 0.10        | 0.19        |
| tblVehicleEF | LDT2 | 0.00        | 7.8228e-003 |
| tblVehicleEF | LDT2 | 5.7750e-003 | 0.01        |
| tblVehicleEF | LDT2 | 9.2910e-003 | 0.04        |
| tblVehicleEF | LDT2 | 0.00        | 0.24        |
| tblVehicleEF | LDT2 | 0.76        | 1.24        |
| tblVehicleEF | LDT2 | 2.02        | 3.11        |
| tblVehicleEF | LDT2 | 0.00        | 7.96        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 352.80      | 850.60      |
| tblVehicleEF | LDT2 | 82.63       | 26.34       |
| tblVehicleEF | LDT2 | 0.00        | 2.5816e-003 |
| tblVehicleEF | LDT2 | 0.09        | 0.25        |
| tblVehicleEF | LDT2 | 0.15        | 0.72        |
| tblVehicleEF | LDT2 | 0.04        | 0.07        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT2 | 1.6320e-003 | 2.0078e-003 |
| tblVehicleEF | LDT2 | 2.2340e-003 | 4.3410e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT2 | 1.5010e-003 | 1.8563e-003 |
| tblVehicleEF | LDT2 | 2.0540e-003 | 3.9914e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.19        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.03        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.01        | 0.05        |
| tblVehicleEF | LDT2 | 0.09        | 0.30        |
| tblVehicleEF | LDT2 | 0.13        | 0.20        |
| tblVehicleEF | LDT2 | 0.00        | 7.8680e-005 |
| tblVehicleEF | LDT2 | 3.5340e-003 | 8.4030e-003 |
| tblVehicleEF | LDT2 | 8.6100e-004 | 2.6036e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.19        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.04        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.08        |
| tblVehicleEF | LDT2 | 0.09        | 0.30        |
| tblVehicleEF | LDT2 | 0.14        | 0.22        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 5.9570e-003 | 6.9244e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 0.15        | 0.22        |
| tblVehicleEF | LHD1 | 1.20        | 1.24        |
| tblVehicleEF | LHD1 | 2.95        | 2.53        |
| tblVehicleEF | LHD1 | 8.98        | 9.62        |
| tblVehicleEF | LHD1 | 704.65      | 903.01      |
| tblVehicleEF | LHD1 | 33.88       | 21.86       |
| tblVehicleEF | LHD1 | 0.07        | 0.03        |
| tblVehicleEF | LHD1 | 1.31        | 0.55        |
| tblVehicleEF | LHD1 | 1.09        | 0.59        |
| tblVehicleEF | LHD1 | 8.6000e-004 | 3.4692e-004 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 9.9630e-003 | 8.7586e-003 |
| tblVehicleEF | LHD1 | 0.02        | 9.4590e-003 |
| tblVehicleEF | LHD1 | 1.0630e-003 | 3.5404e-004 |
| tblVehicleEF | LHD1 | 8.2300e-004 | 3.3191e-004 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.4910e-003 | 2.1896e-003 |
| tblVehicleEF | LHD1 | 0.01        | 8.9922e-003 |
| tblVehicleEF | LHD1 | 9.7800e-004 | 3.2553e-004 |
| tblVehicleEF | LHD1 | 2.8190e-003 | 0.18        |
| tblVehicleEF | LHD1 | 0.11        | 0.05        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 1.4030e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.09        |
| tblVehicleEF | LHD1 | 0.33        | 0.25        |
| tblVehicleEF | LHD1 | 0.30        | 0.16        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.3966e-005 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 6.9280e-003 | 8.8663e-003 |
| tblVehicleEF | LHD1 | 3.9500e-004 | 2.1611e-004 |
| tblVehicleEF | LHD1 | 2.8190e-003 | 0.18        |
| tblVehicleEF | LHD1 | 0.11        | 0.05        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.4030e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.11        |
| tblVehicleEF | LHD1 | 0.33        | 0.25        |
| tblVehicleEF | LHD1 | 0.33        | 0.18        |
| tblVehicleEF | LHD1 | 5.9570e-003 | 2.2781e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 8.3923e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.12        |
| tblVehicleEF | LHD1 | 1.22        | 0.75        |
| tblVehicleEF | LHD1 | 2.73        | 0.70        |
| tblVehicleEF | LHD1 | 8.98        | 10.52       |
| tblVehicleEF | LHD1 | 704.65      | 723.21      |
| tblVehicleEF | LHD1 | 33.88       | 6.23        |
| tblVehicleEF | LHD1 | 0.07        | 0.14        |
| tblVehicleEF | LHD1 | 1.25        | 1.85        |
| tblVehicleEF | LHD1 | 1.02        | 0.15        |
| tblVehicleEF | LHD1 | 8.6000e-004 | 1.7256e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 9.9630e-003 | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.0630e-003 | 8.3326e-005 |
| tblVehicleEF | LHD1 | 8.2300e-004 | 1.6510e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.4910e-003 | 2.7968e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 9.7800e-004 | 7.6615e-005 |
| tblVehicleEF | LHD1 | 6.3880e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 2.9310e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.18        |
| tblVehicleEF | LHD1 | 0.32        | 0.07        |
| tblVehicleEF | LHD1 | 0.29        | 0.04        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 1.0064e-004 |
| tblVehicleEF | LHD1 | 6.9280e-003 | 6.9392e-003 |
| tblVehicleEF | LHD1 | 3.9100e-004 | 6.1631e-005 |
| tblVehicleEF | LHD1 | 6.3880e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 2.9310e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.21        |
| tblVehicleEF | LHD1 | 0.32        | 0.07        |
| tblVehicleEF | LHD1 | 0.31        | 0.05        |
| tblVehicleEF | LHD1 | 5.9570e-003 | 2.2625e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 9.2777e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.12        |
| tblVehicleEF | LHD1 | 1.17        | 0.74        |
| tblVehicleEF | LHD1 | 3.17        | 0.80        |
| tblVehicleEF | LHD1 | 8.98        | 10.52       |
| tblVehicleEF | LHD1 | 704.65      | 723.19      |
| tblVehicleEF | LHD1 | 33.88       | 6.41        |
| tblVehicleEF | LHD1 | 0.07        | 0.14        |
| tblVehicleEF | LHD1 | 1.34        | 1.96        |
| tblVehicleEF | LHD1 | 1.15        | 0.17        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 8.6000e-004 | 1.7256e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 9.9630e-003 | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.0630e-003 | 8.3326e-005 |
| tblVehicleEF | LHD1 | 8.2300e-004 | 1.6510e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.4910e-003 | 2.7968e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |
| tblVehicleEF | LHD1 | 9.7800e-004 | 7.6615e-005 |
| tblVehicleEF | LHD1 | 1.4130e-003 | 0.04        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 7.3200e-004 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.18        |
| tblVehicleEF | LHD1 | 0.37        | 0.07        |
| tblVehicleEF | LHD1 | 0.32        | 0.05        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 1.0064e-004 |
| tblVehicleEF | LHD1 | 6.9270e-003 | 6.9390e-003 |
| tblVehicleEF | LHD1 | 3.9900e-004 | 6.3413e-005 |
| tblVehicleEF | LHD1 | 1.4130e-003 | 0.04        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 7.3200e-004 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.21        |
| tblVehicleEF | LHD1 | 0.37        | 0.07        |
| tblVehicleEF | LHD1 | 0.35        | 0.05        |
| tblVehicleEF | LHD2 | 3.8320e-003 | 3.2592e-003 |
| tblVehicleEF | LHD2 | 9.2950e-003 | 0.12        |
| tblVehicleEF | LHD2 | 8.8580e-003 | 0.13        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.13        | 0.10        |
| tblVehicleEF | LHD2 | 0.63        | 9.56        |
| tblVehicleEF | LHD2 | 1.37        | 6.13        |
| tblVehicleEF | LHD2 | 14.07       | 3.81        |
| tblVehicleEF | LHD2 | 720.29      | 488.52      |
| tblVehicleEF | LHD2 | 25.14       | 41.73       |
| tblVehicleEF | LHD2 | 0.11        | 1.0621e-003 |
| tblVehicleEF | LHD2 | 0.95        | 0.49        |
| tblVehicleEF | LHD2 | 0.53        | 0.37        |
| tblVehicleEF | LHD2 | 1.2990e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.09        | 0.04        |
| tblVehicleEF | LHD2 | 0.01        | 5.4125e-003 |
| tblVehicleEF | LHD2 | 0.02        | 1.8269e-003 |
| tblVehicleEF | LHD2 | 4.7100e-004 | 2.4358e-003 |
| tblVehicleEF | LHD2 | 1.2430e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.04        | 0.01        |
| tblVehicleEF | LHD2 | 2.6810e-003 | 1.3531e-003 |
| tblVehicleEF | LHD2 | 0.01        | 1.7020e-003 |
| tblVehicleEF | LHD2 | 4.3300e-004 | 2.2948e-003 |
| tblVehicleEF | LHD2 | 9.9400e-004 | 1.27        |
| tblVehicleEF | LHD2 | 0.04        | 2.15        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 5.0900e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.80        |
| tblVehicleEF | LHD2 | 0.09        | 2.33        |
| tblVehicleEF | LHD2 | 0.12        | 0.97        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 3.7654e-005 |
| tblVehicleEF | LHD2 | 7.0090e-003 | 4.8295e-003 |
| tblVehicleEF | LHD2 | 2.7600e-004 | 4.1252e-004 |
| tblVehicleEF | LHD2 | 9.9400e-004 | 1.27        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.04        | 2.15        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 5.0900e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.96        |
| tblVehicleEF | LHD2 | 0.09        | 2.33        |
| tblVehicleEF | LHD2 | 0.13        | 1.05        |
| tblVehicleEF | LHD2 | 3.8320e-003 | 1.9623e-004 |
| tblVehicleEF | LHD2 | 9.4580e-003 | 0.09        |
| tblVehicleEF | LHD2 | 8.3680e-003 | 0.09        |
| tblVehicleEF | LHD2 | 0.13        | 0.04        |
| tblVehicleEF | LHD2 | 0.64        | 7.30        |
| tblVehicleEF | LHD2 | 1.27        | 3.66        |
| tblVehicleEF | LHD2 | 14.07       | 8.37        |
| tblVehicleEF | LHD2 | 720.29      | 482.67      |
| tblVehicleEF | LHD2 | 25.14       | 25.63       |
| tblVehicleEF | LHD2 | 0.11        | 0.09        |
| tblVehicleEF | LHD2 | 0.91        | 1.15        |
| tblVehicleEF | LHD2 | 0.50        | 0.07        |
| tblVehicleEF | LHD2 | 1.2990e-003 | 1.0923e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 7.9630e-003 |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 4.7100e-004 | 1.9823e-003 |
| tblVehicleEF | LHD2 | 1.2430e-003 | 1.0451e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.02        |
| tblVehicleEF | LHD2 | 2.6810e-003 | 1.9908e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.3300e-004 | 1.8703e-003 |
| tblVehicleEF | LHD2 | 2.2540e-003 | 1.67        |
| tblVehicleEF | LHD2 | 0.04        | 1.93        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.01        | 4.2248e-003 |
| tblVehicleEF | LHD2 | 1.0660e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.69        |
| tblVehicleEF | LHD2 | 0.09        | 1.94        |
| tblVehicleEF | LHD2 | 0.11        | 0.64        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 7.9337e-005 |
| tblVehicleEF | LHD2 | 7.0090e-003 | 4.6128e-003 |
| tblVehicleEF | LHD2 | 2.7500e-004 | 2.5335e-004 |
| tblVehicleEF | LHD2 | 2.2540e-003 | 1.67        |
| tblVehicleEF | LHD2 | 0.04        | 1.93        |
| tblVehicleEF | LHD2 | 0.02        | 4.8097e-003 |
| tblVehicleEF | LHD2 | 1.0660e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.82        |
| tblVehicleEF | LHD2 | 0.09        | 1.94        |
| tblVehicleEF | LHD2 | 0.12        | 0.69        |
| tblVehicleEF | LHD2 | 3.8320e-003 | 1.9623e-004 |
| tblVehicleEF | LHD2 | 9.1660e-003 | 0.10        |
| tblVehicleEF | LHD2 | 9.2820e-003 | 0.12        |
| tblVehicleEF | LHD2 | 0.13        | 0.04        |
| tblVehicleEF | LHD2 | 0.63        | 7.72        |
| tblVehicleEF | LHD2 | 1.47        | 4.83        |
| tblVehicleEF | LHD2 | 14.07       | 8.37        |
| tblVehicleEF | LHD2 | 720.29      | 483.46      |
| tblVehicleEF | LHD2 | 25.14       | 28.35       |
| tblVehicleEF | LHD2 | 0.11        | 0.09        |
| tblVehicleEF | LHD2 | 0.97        | 1.25        |
| tblVehicleEF | LHD2 | 0.56        | 0.09        |
| tblVehicleEF | LHD2 | 1.2990e-003 | 1.0923e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 7.9630e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | LHD2 | 0.02        | 0.02        |
| tbIVehicleEF | LHD2 | 4.7100e-004 | 1.9823e-003 |
| tbIVehicleEF | LHD2 | 1.2430e-003 | 1.0451e-003 |
| tbIVehicleEF | LHD2 | 0.04        | 0.02        |
| tbIVehicleEF | LHD2 | 2.6810e-003 | 1.9908e-003 |
| tbIVehicleEF | LHD2 | 0.01        | 0.02        |
| tbIVehicleEF | LHD2 | 4.3300e-004 | 1.8703e-003 |
| tbIVehicleEF | LHD2 | 5.0200e-004 | 0.90        |
| tbIVehicleEF | LHD2 | 0.04        | 1.72        |
| tbIVehicleEF | LHD2 | 0.01        | 4.2248e-003 |
| tbIVehicleEF | LHD2 | 2.6700e-004 | 0.00        |
| tbIVehicleEF | LHD2 | 0.11        | 0.73        |
| tbIVehicleEF | LHD2 | 0.10        | 2.08        |
| tbIVehicleEF | LHD2 | 0.13        | 0.90        |
| tbIVehicleEF | LHD2 | 1.3700e-004 | 7.9337e-005 |
| tbIVehicleEF | LHD2 | 7.0090e-003 | 4.6205e-003 |
| tbIVehicleEF | LHD2 | 2.7800e-004 | 2.8029e-004 |
| tbIVehicleEF | LHD2 | 5.0200e-004 | 0.90        |
| tbIVehicleEF | LHD2 | 0.04        | 1.72        |
| tbIVehicleEF | LHD2 | 0.02        | 4.8097e-003 |
| tbIVehicleEF | LHD2 | 2.6700e-004 | 0.00        |
| tbIVehicleEF | LHD2 | 0.13        | 0.86        |
| tbIVehicleEF | LHD2 | 0.10        | 2.08        |
| tbIVehicleEF | LHD2 | 0.14        | 0.98        |
| tbIVehicleEF | MCY  | 0.44        | 0.06        |
| tbIVehicleEF | MCY  | 0.16        | 0.00        |
| tbIVehicleEF | MCY  | 19.41       | 0.06        |
| tbIVehicleEF | MCY  | 10.14       | 0.00        |
| tbIVehicleEF | MCY  | 168.73      | 0.06        |
| tbIVehicleEF | MCY  | 45.97       | 0.00        |

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|--------------|-----|-------------|--------|
| tbIVehicleEF | MCY | 1.15        | 0.06   |
| tbIVehicleEF | MCY | 0.32        | 0.00   |
| tbIVehicleEF | MCY | 0.01        | 0.06   |
| tbIVehicleEF | MCY | 4.0000e-003 | 0.06   |
| tbIVehicleEF | MCY | 1.9370e-003 | 0.06   |
| tbIVehicleEF | MCY | 3.9880e-003 | 0.00   |
| tbIVehicleEF | MCY | 5.0400e-003 | 0.06   |
| tbIVehicleEF | MCY | 1.0000e-003 | 0.06   |
| tbIVehicleEF | MCY | 1.8140e-003 | 0.06   |
| tbIVehicleEF | MCY | 3.7640e-003 | 0.00   |
| tbIVehicleEF | MCY | 0.91        | 0.00   |
| tbIVehicleEF | MCY | 0.73        | 0.00   |
| tbIVehicleEF | MCY | 0.50        | 0.00   |
| tbIVehicleEF | MCY | 2.24        | 0.06   |
| tbIVehicleEF | MCY | 0.63        | 0.00   |
| tbIVehicleEF | MCY | 2.23        | 0.00   |
| tbIVehicleEF | MCY | 2.0700e-003 | 0.06   |
| tbIVehicleEF | MCY | 6.9100e-004 | 0.00   |
| tbIVehicleEF | MCY | 0.91        | 0.00   |
| tbIVehicleEF | MCY | 0.73        | 0.00   |
| tbIVehicleEF | MCY | 0.50        | 0.00   |
| tbIVehicleEF | MCY | 2.77        | 0.06   |
| tbIVehicleEF | MCY | 0.63        | 0.00   |
| tbIVehicleEF | MCY | 2.43        | 0.00   |
| tbIVehicleEF | MCY | 0.43        | 0.14   |
| tbIVehicleEF | MCY | 0.14        | 0.11   |
| tbIVehicleEF | MCY | 18.69       | 0.14   |
| tbIVehicleEF | MCY | 8.94        | 3.95   |
| tbIVehicleEF | MCY | 168.73      | 0.14   |
| tbIVehicleEF | MCY | 45.97       | 112.69 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tbIVehicleEF | MCY | 1.02        | 0.14        |
| tbIVehicleEF | MCY | 0.29        | 0.51        |
| tbIVehicleEF | MCY | 0.01        | 0.14        |
| tbIVehicleEF | MCY | 4.0000e-003 | 0.14        |
| tbIVehicleEF | MCY | 1.9370e-003 | 0.14        |
| tbIVehicleEF | MCY | 3.9880e-003 | 2.5887e-003 |
| tbIVehicleEF | MCY | 5.0400e-003 | 0.14        |
| tbIVehicleEF | MCY | 1.0000e-003 | 0.14        |
| tbIVehicleEF | MCY | 1.8140e-003 | 0.14        |
| tbIVehicleEF | MCY | 3.7640e-003 | 2.3815e-003 |
| tbIVehicleEF | MCY | 2.35        | 0.51        |
| tbIVehicleEF | MCY | 0.95        | 0.12        |
| tbIVehicleEF | MCY | 1.36        | 0.00        |
| tbIVehicleEF | MCY | 2.16        | 0.14        |
| tbIVehicleEF | MCY | 0.59        | 0.31        |
| tbIVehicleEF | MCY | 1.87        | 0.56        |
| tbIVehicleEF | MCY | 2.0560e-003 | 0.14        |
| tbIVehicleEF | MCY | 6.6100e-004 | 1.1141e-003 |
| tbIVehicleEF | MCY | 2.35        | 0.51        |
| tbIVehicleEF | MCY | 0.95        | 0.12        |
| tbIVehicleEF | MCY | 1.36        | 0.00        |
| tbIVehicleEF | MCY | 2.67        | 0.14        |
| tbIVehicleEF | MCY | 0.59        | 0.31        |
| tbIVehicleEF | MCY | 2.03        | 0.61        |
| tbIVehicleEF | MCY | 0.46        | 0.18        |
| tbIVehicleEF | MCY | 0.19        | 0.14        |
| tbIVehicleEF | MCY | 20.95       | 0.18        |
| tbIVehicleEF | MCY | 11.55       | 5.93        |
| tbIVehicleEF | MCY | 168.73      | 0.18        |
| tbIVehicleEF | MCY | 45.97       | 116.52      |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 1.24        | 0.18        |
| tblVehicleEF | MCY | 0.34        | 0.62        |
| tblVehicleEF | MCY | 0.01        | 0.18        |
| tblVehicleEF | MCY | 4.0000e-003 | 0.18        |
| tblVehicleEF | MCY | 1.9370e-003 | 0.18        |
| tblVehicleEF | MCY | 3.9880e-003 | 2.5887e-003 |
| tblVehicleEF | MCY | 5.0400e-003 | 0.18        |
| tblVehicleEF | MCY | 1.0000e-003 | 0.18        |
| tblVehicleEF | MCY | 1.8140e-003 | 0.18        |
| tblVehicleEF | MCY | 3.7640e-003 | 2.3815e-003 |
| tblVehicleEF | MCY | 0.40        | 0.36        |
| tblVehicleEF | MCY | 0.88        | 0.10        |
| tblVehicleEF | MCY | 0.19        | 0.00        |
| tblVehicleEF | MCY | 2.34        | 0.18        |
| tblVehicleEF | MCY | 0.75        | 0.30        |
| tblVehicleEF | MCY | 2.59        | 0.77        |
| tblVehicleEF | MCY | 2.0980e-003 | 0.18        |
| tblVehicleEF | MCY | 7.2500e-004 | 1.1519e-003 |
| tblVehicleEF | MCY | 0.40        | 0.36        |
| tblVehicleEF | MCY | 0.88        | 0.10        |
| tblVehicleEF | MCY | 0.19        | 0.00        |
| tblVehicleEF | MCY | 2.88        | 0.18        |
| tblVehicleEF | MCY | 0.75        | 0.30        |
| tblVehicleEF | MCY | 2.81        | 0.84        |
| tblVehicleEF | MDV | 0.01        | 5.8478e-003 |
| tblVehicleEF | MDV | 0.02        | 0.13        |
| tblVehicleEF | MDV | 1.32        | 1.32        |
| tblVehicleEF | MDV | 3.27        | 5.02        |
| tblVehicleEF | MDV | 473.55      | 441.36      |
| tblVehicleEF | MDV | 107.62      | 114.53      |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.16        | 0.17        |
| tblVehicleEF | MDV | 0.29        | 0.57        |
| tblVehicleEF | MDV | 0.04        | 9.1738e-003 |
| tblVehicleEF | MDV | 8.0000e-003 | 8.0140e-003 |
| tblVehicleEF | MDV | 1.8700e-003 | 1.7567e-003 |
| tblVehicleEF | MDV | 2.5800e-003 | 2.5869e-003 |
| tblVehicleEF | MDV | 0.02        | 3.2108e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.0035e-003 |
| tblVehicleEF | MDV | 1.7250e-003 | 1.6234e-003 |
| tblVehicleEF | MDV | 2.3740e-003 | 2.3799e-003 |
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.18        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.03        |
| tblVehicleEF | MDV | 0.11        | 0.30        |
| tblVehicleEF | MDV | 0.25        | 0.67        |
| tblVehicleEF | MDV | 4.7450e-003 | 4.3625e-003 |
| tblVehicleEF | MDV | 1.1340e-003 | 1.1322e-003 |
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.18        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.11        | 0.30        |
| tblVehicleEF | MDV | 0.28        | 0.74        |
| tblVehicleEF | MDV | 0.01        | 4.7588e-003 |
| tblVehicleEF | MDV | 0.02        | 6.5491e-003 |
| tblVehicleEF | MDV | 1.52        | 0.75        |
| tblVehicleEF | MDV | 2.59        | 0.24        |
| tblVehicleEF | MDV | 508.67      | 597.17      |
| tblVehicleEF | MDV | 107.62      | 17.39       |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.15        | 0.13        |
| tblVehicleEF | MDV | 0.26        | 0.02        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.6530e-003 |
| tblVehicleEF | MDV | 1.8700e-003 | 4.0785e-003 |
| tblVehicleEF | MDV | 2.5800e-003 | 4.9565e-004 |
| tblVehicleEF | MDV | 0.02        | 4.7670e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1633e-003 |
| tblVehicleEF | MDV | 1.7250e-003 | 3.8823e-003 |
| tblVehicleEF | MDV | 2.3740e-003 | 4.5573e-004 |
| tblVehicleEF | MDV | 0.14        | 1.34        |
| tblVehicleEF | MDV | 0.19        | 0.31        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.21        | 0.03        |
| tblVehicleEF | MDV | 5.0990e-003 | 5.8010e-003 |
| tblVehicleEF | MDV | 1.1220e-003 | 1.7188e-004 |
| tblVehicleEF | MDV | 0.14        | 1.34        |
| tblVehicleEF | MDV | 0.19        | 0.31        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.23        | 0.03        |
| tblVehicleEF | MDV | 0.01        | 4.4303e-003 |
| tblVehicleEF | MDV | 0.02        | 8.7855e-003 |
| tblVehicleEF | MDV | 1.31        | 0.69        |
| tblVehicleEF | MDV | 3.82        | 0.34        |
| tblVehicleEF | MDV | 467.76      | 594.67      |
| tblVehicleEF | MDV | 107.62      | 17.59       |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.18        | 0.15        |
| tblVehicleEF | MDV | 0.32        | 0.03        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.6530e-003 |
| tblVehicleEF | MDV | 1.8700e-003 | 4.0785e-003 |
| tblVehicleEF | MDV | 2.5800e-003 | 4.9565e-004 |
| tblVehicleEF | MDV | 0.02        | 4.7670e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1633e-003 |
| tblVehicleEF | MDV | 1.7250e-003 | 3.8823e-003 |
| tblVehicleEF | MDV | 2.3740e-003 | 4.5573e-004 |
| tblVehicleEF | MDV | 0.03        | 0.88        |
| tblVehicleEF | MDV | 0.18        | 0.26        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.03        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.29        | 0.04        |
| tblVehicleEF | MDV | 4.6870e-003 | 5.7763e-003 |
| tblVehicleEF | MDV | 1.1440e-003 | 1.7389e-004 |
| tblVehicleEF | MDV | 0.03        | 0.88        |
| tblVehicleEF | MDV | 0.18        | 0.26        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.32        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 1.2076e-003 |
| tblVehicleEF | MH  | 0.04        | 3.9958e-003 |
| tblVehicleEF | MH  | 0.03        | 8.9242e-005 |
| tblVehicleEF | MH  | 0.00        | 0.61        |
| tblVehicleEF | MH  | 2.90        | 0.36        |
| tblVehicleEF | MH  | 6.68        | 9.0190e-003 |

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|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.00        | 196.24      |
| tblVehicleEF | MH | 1,223.22    | 1,202.03    |
| tblVehicleEF | MH | 59.88       | 0.07        |
| tblVehicleEF | MH | 0.00        | 1.35        |
| tblVehicleEF | MH | 1.49        | 1.83        |
| tblVehicleEF | MH | 0.92        | 1.44        |
| tblVehicleEF | MH | 0.00        | 4.4822e-003 |
| tblVehicleEF | MH | 0.13        | 0.05        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.2930e-003 | 1.2314e-006 |
| tblVehicleEF | MH | 0.00        | 4.2883e-003 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2150e-003 | 3.0000e-003 |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.1890e-003 | 1.1323e-006 |
| tblVehicleEF | MH | 0.98        | 0.12        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.03        |
| tblVehicleEF | MH | 0.33        | 0.00        |
| tblVehicleEF | MH | 0.12        | 0.06        |
| tblVehicleEF | MH | 0.02        | 7.8174e-004 |
| tblVehicleEF | MH | 0.38        | 3.9825e-004 |
| tblVehicleEF | MH | 0.00        | 1.8583e-003 |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 7.1500e-004 | 7.3364e-007 |
| tblVehicleEF | MH | 0.98        | 0.12        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.03        |
| tblVehicleEF | MH | 0.33        | 0.00        |

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|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.17        | 0.07        |
| tblVehicleEF | MH | 0.02        | 7.8174e-004 |
| tblVehicleEF | MH | 0.42        | 4.3603e-004 |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.04        | 0.03        |
| tblVehicleEF | MH | 0.03        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.52        |
| tblVehicleEF | MH | 3.03        | 2.81        |
| tblVehicleEF | MH | 6.05        | 6.33        |
| tblVehicleEF | MH | 0.00        | 28.70       |
| tblVehicleEF | MH | 1,223.22    | 1,759.31    |
| tblVehicleEF | MH | 59.88       | 48.18       |
| tblVehicleEF | MH | 0.00        | 4.5613e-003 |
| tblVehicleEF | MH | 1.40        | 1.17        |
| tblVehicleEF | MH | 0.86        | 0.44        |
| tblVehicleEF | MH | 0.13        | 0.04        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.2930e-003 | 6.8829e-004 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2150e-003 | 3.1164e-003 |
| tblVehicleEF | MH | 0.03        | 0.01        |
| tblVehicleEF | MH | 1.1890e-003 | 6.3286e-004 |
| tblVehicleEF | MH | 2.22        | 0.26        |
| tblVehicleEF | MH | 0.09        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.05        |
| tblVehicleEF | MH | 0.71        | 0.00        |
| tblVehicleEF | MH | 0.13        | 0.14        |
| tblVehicleEF | MH | 0.02        | 0.38        |
| tblVehicleEF | MH | 0.36        | 0.29        |

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|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.00        | 2.8377e-004 |
| tblVehicleEF | MH | 0.01        | 0.02        |
| tblVehicleEF | MH | 7.0400e-004 | 4.7633e-004 |
| tblVehicleEF | MH | 2.22        | 0.26        |
| tblVehicleEF | MH | 0.09        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.07        |
| tblVehicleEF | MH | 0.71        | 0.00        |
| tblVehicleEF | MH | 0.18        | 0.21        |
| tblVehicleEF | MH | 0.02        | 0.38        |
| tblVehicleEF | MH | 0.39        | 0.32        |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.04        | 0.02        |
| tblVehicleEF | MH | 0.03        | 0.06        |
| tblVehicleEF | MH | 0.00        | 0.98        |
| tblVehicleEF | MH | 2.80        | 2.65        |
| tblVehicleEF | MH | 7.29        | 7.39        |
| tblVehicleEF | MH | 0.00        | 25.89       |
| tblVehicleEF | MH | 1,223.22    | 1,759.01    |
| tblVehicleEF | MH | 59.88       | 49.99       |
| tblVehicleEF | MH | 0.00        | 4.1878e-003 |
| tblVehicleEF | MH | 1.54        | 1.33        |
| tblVehicleEF | MH | 0.97        | 0.50        |
| tblVehicleEF | MH | 0.13        | 0.04        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.2930e-003 | 6.8829e-004 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2150e-003 | 3.1164e-003 |
| tblVehicleEF | MH | 0.03        | 0.01        |
| tblVehicleEF | MH | 1.1890e-003 | 6.3286e-004 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MH  | 0.48        | 0.17        |
| tblVehicleEF | MH  | 0.10        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.05        |
| tblVehicleEF | MH  | 0.18        | 0.00        |
| tblVehicleEF | MH  | 0.12        | 0.14        |
| tblVehicleEF | MH  | 0.03        | 0.38        |
| tblVehicleEF | MH  | 0.41        | 0.32        |
| tblVehicleEF | MH  | 0.00        | 2.5594e-004 |
| tblVehicleEF | MH  | 0.01        | 0.02        |
| tblVehicleEF | MH  | 7.2600e-004 | 4.9417e-004 |
| tblVehicleEF | MH  | 0.48        | 0.17        |
| tblVehicleEF | MH  | 0.10        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.08        |
| tblVehicleEF | MH  | 0.18        | 0.00        |
| tblVehicleEF | MH  | 0.17        | 0.19        |
| tblVehicleEF | MH  | 0.03        | 0.38        |
| tblVehicleEF | MH  | 0.45        | 0.35        |
| tblVehicleEF | MHD | 0.02        | 0.04        |
| tblVehicleEF | MHD | 6.6980e-003 | 0.03        |
| tblVehicleEF | MHD | 0.06        | 0.04        |
| tblVehicleEF | MHD | 0.40        | 0.69        |
| tblVehicleEF | MHD | 0.47        | 1.78        |
| tblVehicleEF | MHD | 7.25        | 5.02        |
| tblVehicleEF | MHD | 136.73      | 57.44       |
| tblVehicleEF | MHD | 1,206.00    | 1,605.55    |
| tblVehicleEF | MHD | 62.24       | 36.28       |
| tblVehicleEF | MHD | 0.58        | 0.17        |
| tblVehicleEF | MHD | 1.63        | 1.08        |
| tblVehicleEF | MHD | 10.30       | 0.62        |
| tblVehicleEF | MHD | 8.2700e-004 | 3.2786e-004 |

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|--------------|-----|-------------|-------------|
| tbIVehicleEF | MHD | 0.13        | 0.05        |
| tbIVehicleEF | MHD | 0.01        | 0.01        |
| tbIVehicleEF | MHD | 7.2180e-003 | 0.01        |
| tbIVehicleEF | MHD | 9.9100e-004 | 4.7370e-004 |
| tbIVehicleEF | MHD | 7.9100e-004 | 3.1263e-004 |
| tbIVehicleEF | MHD | 0.06        | 0.02        |
| tbIVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tbIVehicleEF | MHD | 6.8990e-003 | 0.01        |
| tbIVehicleEF | MHD | 9.1100e-004 | 4.3555e-004 |
| tbIVehicleEF | MHD | 1.0740e-003 | 0.13        |
| tbIVehicleEF | MHD | 0.05        | 0.03        |
| tbIVehicleEF | MHD | 0.03        | 0.05        |
| tbIVehicleEF | MHD | 5.3000e-004 | 0.00        |
| tbIVehicleEF | MHD | 0.06        | 0.10        |
| tbIVehicleEF | MHD | 0.03        | 0.25        |
| tbIVehicleEF | MHD | 0.43        | 0.23        |
| tbIVehicleEF | MHD | 1.3170e-003 | 4.7191e-004 |
| tbIVehicleEF | MHD | 0.01        | 0.02        |
| tbIVehicleEF | MHD | 7.4900e-004 | 3.5867e-004 |
| tbIVehicleEF | MHD | 1.0740e-003 | 0.13        |
| tbIVehicleEF | MHD | 0.05        | 0.03        |
| tbIVehicleEF | MHD | 0.04        | 0.09        |
| tbIVehicleEF | MHD | 5.3000e-004 | 0.00        |
| tbIVehicleEF | MHD | 0.08        | 0.16        |
| tbIVehicleEF | MHD | 0.03        | 0.25        |
| tbIVehicleEF | MHD | 0.47        | 0.25        |
| tbIVehicleEF | MHD | 0.02        | 0.01        |
| tbIVehicleEF | MHD | 6.8520e-003 | 8.6746e-003 |
| tbIVehicleEF | MHD | 0.05        | 2.4187e-003 |
| tbIVehicleEF | MHD | 0.28        | 0.58        |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.48        | 0.30        |
| tblVehicleEF | MHD | 6.66        | 0.26        |
| tblVehicleEF | MHD | 144.99      | 184.40      |
| tblVehicleEF | MHD | 1,206.00    | 1,204.06    |
| tblVehicleEF | MHD | 62.24       | 2.20        |
| tblVehicleEF | MHD | 0.59        | 1.22        |
| tblVehicleEF | MHD | 1.56        | 1.72        |
| tblVehicleEF | MHD | 10.24       | 1.36        |
| tblVehicleEF | MHD | 6.9700e-004 | 3.3770e-003 |
| tblVehicleEF | MHD | 0.13        | 0.05        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 7.2180e-003 | 0.02        |
| tblVehicleEF | MHD | 9.9100e-004 | 1.9622e-005 |
| tblVehicleEF | MHD | 6.6700e-004 | 3.2306e-003 |
| tblVehicleEF | MHD | 0.06        | 0.02        |
| tblVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tblVehicleEF | MHD | 6.8990e-003 | 0.02        |
| tblVehicleEF | MHD | 9.1100e-004 | 1.8041e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.5614e-003 |
| tblVehicleEF | MHD | 0.03        | 0.03        |
| tblVehicleEF | MHD | 1.1770e-003 | 0.00        |
| tblVehicleEF | MHD | 0.06        | 0.06        |
| tblVehicleEF | MHD | 0.02        | 9.8026e-003 |
| tblVehicleEF | MHD | 0.40        | 0.01        |
| tblVehicleEF | MHD | 1.3950e-003 | 1.7191e-003 |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 7.3900e-004 | 2.1770e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.5614e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tbIVehicleEF | MHD | 0.04        | 0.04        |
| tbIVehicleEF | MHD | 1.1770e-003 | 0.00        |
| tbIVehicleEF | MHD | 0.08        | 0.08        |
| tbIVehicleEF | MHD | 0.02        | 9.8026e-003 |
| tbIVehicleEF | MHD | 0.44        | 0.01        |
| tbIVehicleEF | MHD | 0.02        | 0.01        |
| tbIVehicleEF | MHD | 6.5800e-003 | 8.6239e-003 |
| tbIVehicleEF | MHD | 0.06        | 2.7049e-003 |
| tbIVehicleEF | MHD | 0.53        | 0.66        |
| tbIVehicleEF | MHD | 0.46        | 0.29        |
| tbIVehicleEF | MHD | 7.79        | 0.31        |
| tbIVehicleEF | MHD | 125.70      | 183.37      |
| tbIVehicleEF | MHD | 1,206.00    | 1,204.05    |
| tbIVehicleEF | MHD | 62.24       | 2.29        |
| tbIVehicleEF | MHD | 0.55        | 1.24        |
| tbIVehicleEF | MHD | 1.66        | 1.82        |
| tbIVehicleEF | MHD | 10.36       | 1.37        |
| tbIVehicleEF | MHD | 1.0060e-003 | 4.8458e-003 |
| tbIVehicleEF | MHD | 0.13        | 0.05        |
| tbIVehicleEF | MHD | 0.01        | 0.01        |
| tbIVehicleEF | MHD | 7.2180e-003 | 0.02        |
| tbIVehicleEF | MHD | 9.9100e-004 | 1.9622e-005 |
| tbIVehicleEF | MHD | 9.6300e-004 | 4.6358e-003 |
| tbIVehicleEF | MHD | 0.06        | 0.02        |
| tbIVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tbIVehicleEF | MHD | 6.8990e-003 | 0.02        |
| tbIVehicleEF | MHD | 9.1100e-004 | 1.8041e-005 |
| tbIVehicleEF | MHD | 5.2400e-004 | 8.1804e-003 |
| tbIVehicleEF | MHD | 0.05        | 2.1993e-003 |
| tbIVehicleEF | MHD | 0.03        | 0.03        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | MHD  | 2.6600e-004 | 0.00        |
| tbIVehicleEF | MHD  | 0.06        | 0.06        |
| tbIVehicleEF | MHD  | 0.03        | 9.8021e-003 |
| tbIVehicleEF | MHD  | 0.45        | 0.01        |
| tbIVehicleEF | MHD  | 1.2130e-003 | 1.7094e-003 |
| tbIVehicleEF | MHD  | 0.01        | 0.01        |
| tbIVehicleEF | MHD  | 7.5800e-004 | 2.2592e-005 |
| tbIVehicleEF | MHD  | 5.2400e-004 | 8.1804e-003 |
| tbIVehicleEF | MHD  | 0.05        | 2.1993e-003 |
| tbIVehicleEF | MHD  | 0.04        | 0.04        |
| tbIVehicleEF | MHD  | 2.6600e-004 | 0.00        |
| tbIVehicleEF | MHD  | 0.07        | 0.08        |
| tbIVehicleEF | MHD  | 0.03        | 9.8021e-003 |
| tbIVehicleEF | MHD  | 0.50        | 0.02        |
| tbIVehicleEF | OBUS | 0.01        | 0.04        |
| tbIVehicleEF | OBUS | 9.3020e-003 | 0.02        |
| tbIVehicleEF | OBUS | 0.03        | 4.5078e-003 |
| tbIVehicleEF | OBUS | 0.28        | 1.53        |
| tbIVehicleEF | OBUS | 0.58        | 0.70        |
| tbIVehicleEF | OBUS | 5.50        | 0.66        |
| tbIVehicleEF | OBUS | 110.36      | 185.88      |
| tbIVehicleEF | OBUS | 1,314.27    | 1,048.06    |
| tbIVehicleEF | OBUS | 67.24       | 3.60        |
| tbIVehicleEF | OBUS | 0.58        | 1.52        |
| tbIVehicleEF | OBUS | 1.90        | 3.11        |
| tbIVehicleEF | OBUS | 2.86        | 0.45        |
| tbIVehicleEF | OBUS | 2.0100e-004 | 1.6665e-003 |
| tbIVehicleEF | OBUS | 0.13        | 0.04        |
| tbIVehicleEF | OBUS | 0.01        | 0.01        |
| tbIVehicleEF | OBUS | 8.9640e-003 | 0.02        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 7.5500e-004 | 3.5406e-005 |
| tblVehicleEF | OBUS | 1.9200e-004 | 1.5944e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6760e-003 |
| tblVehicleEF | OBUS | 8.5580e-003 | 0.02        |
| tblVehicleEF | OBUS | 6.9400e-004 | 3.2554e-005 |
| tblVehicleEF | OBUS | 1.1920e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2803e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.17        |
| tblVehicleEF | OBUS | 5.1400e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.08        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.35        | 0.03        |
| tblVehicleEF | OBUS | 1.0650e-003 | 1.7707e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.8855e-003 |
| tblVehicleEF | OBUS | 7.6900e-004 | 3.5610e-005 |
| tblVehicleEF | OBUS | 1.1920e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2803e-003 |
| tblVehicleEF | OBUS | 0.05        | 0.25        |
| tblVehicleEF | OBUS | 5.1400e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.09        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.38        | 0.03        |
| tblVehicleEF | OBUS | 0.01        | 0.04        |
| tblVehicleEF | OBUS | 9.5280e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.03        | 3.7904e-003 |
| tblVehicleEF | OBUS | 0.27        | 1.51        |
| tblVehicleEF | OBUS | 0.60        | 0.72        |
| tblVehicleEF | OBUS | 5.02        | 0.48        |
| tblVehicleEF | OBUS | 115.93      | 189.39      |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 1,314.27    | 1,048.09    |
| tblVehicleEF | OBUS | 67.24       | 3.31        |
| tblVehicleEF | OBUS | 0.60        | 1.55        |
| tblVehicleEF | OBUS | 1.82        | 2.98        |
| tblVehicleEF | OBUS | 2.80        | 0.44        |
| tblVehicleEF | OBUS | 1.6900e-004 | 1.4098e-003 |
| tblVehicleEF | OBUS | 0.13        | 0.04        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 8.9640e-003 | 0.02        |
| tblVehicleEF | OBUS | 7.5500e-004 | 3.5406e-005 |
| tblVehicleEF | OBUS | 1.6200e-004 | 1.3487e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6760e-003 |
| tblVehicleEF | OBUS | 8.5580e-003 | 0.02        |
| tblVehicleEF | OBUS | 6.9400e-004 | 3.2554e-005 |
| tblVehicleEF | OBUS | 2.6670e-003 | 0.03        |
| tblVehicleEF | OBUS | 0.02        | 6.8047e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.17        |
| tblVehicleEF | OBUS | 1.0870e-003 | 0.00        |
| tblVehicleEF | OBUS | 0.08        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.32        | 0.02        |
| tblVehicleEF | OBUS | 1.1180e-003 | 1.8039e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.8858e-003 |
| tblVehicleEF | OBUS | 7.6100e-004 | 3.2735e-005 |
| tblVehicleEF | OBUS | 2.6670e-003 | 0.03        |
| tblVehicleEF | OBUS | 0.02        | 6.8047e-003 |
| tblVehicleEF | OBUS | 0.05        | 0.25        |
| tblVehicleEF | OBUS | 1.0870e-003 | 0.00        |
| tblVehicleEF | OBUS | 0.09        | 0.09        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.35        | 0.02        |
| tblVehicleEF | OBUS | 0.01        | 0.04        |
| tblVehicleEF | OBUS | 9.1270e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.03        | 5.1521e-003 |
| tblVehicleEF | OBUS | 0.30        | 1.55        |
| tblVehicleEF | OBUS | 0.57        | 0.69        |
| tblVehicleEF | OBUS | 5.94        | 0.83        |
| tblVehicleEF | OBUS | 102.66      | 181.03      |
| tblVehicleEF | OBUS | 1,314.27    | 1,048.04    |
| tblVehicleEF | OBUS | 67.24       | 3.89        |
| tblVehicleEF | OBUS | 0.56        | 1.48        |
| tblVehicleEF | OBUS | 1.94        | 3.17        |
| tblVehicleEF | OBUS | 2.92        | 0.45        |
| tblVehicleEF | OBUS | 2.4400e-004 | 2.0211e-003 |
| tblVehicleEF | OBUS | 0.13        | 0.04        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 8.9640e-003 | 0.02        |
| tblVehicleEF | OBUS | 7.5500e-004 | 3.5406e-005 |
| tblVehicleEF | OBUS | 2.3400e-004 | 1.9336e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6760e-003 |
| tblVehicleEF | OBUS | 8.5580e-003 | 0.02        |
| tblVehicleEF | OBUS | 6.9400e-004 | 3.2554e-005 |
| tblVehicleEF | OBUS | 6.3700e-004 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 5.8218e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.17        |
| tblVehicleEF | OBUS | 2.9000e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.07        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.36        | 0.03        |
| tblVehicleEF | OBUS | 9.9100e-004 | 1.7248e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.8853e-003 |
| tblVehicleEF | OBUS | 7.7600e-004 | 3.8491e-005 |
| tblVehicleEF | OBUS | 6.3700e-004 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 5.8218e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.25        |
| tblVehicleEF | OBUS | 2.9000e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.09        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.40        | 0.03        |
| tblVehicleEF | SBUS | 0.86        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.09        | 4.3659e-003 |
| tblVehicleEF | SBUS | 8.04        | 0.18        |
| tblVehicleEF | SBUS | 1.25        | 0.25        |
| tblVehicleEF | SBUS | 10.59       | 0.46        |
| tblVehicleEF | SBUS | 1,134.67    | 38.87       |
| tblVehicleEF | SBUS | 1,066.60    | 1,087.41    |
| tblVehicleEF | SBUS | 54.09       | 3.11        |
| tblVehicleEF | SBUS | 9.77        | 0.05        |
| tblVehicleEF | SBUS | 4.41        | 0.36        |
| tblVehicleEF | SBUS | 12.56       | 0.05        |
| tblVehicleEF | SBUS | 0.01        | 1.0915e-004 |
| tblVehicleEF | SBUS | 0.74        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.03        |
| tblVehicleEF | SBUS | 0.02        | 6.7144e-003 |
| tblVehicleEF | SBUS | 8.6500e-004 | 7.8115e-006 |
| tblVehicleEF | SBUS | 0.01        | 1.0036e-004 |
| tblVehicleEF | SBUS | 0.32        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 2.6420e-003 | 7.6926e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4193e-003 |
| tblVehicleEF | SBUS | 7.9500e-004 | 7.1823e-006 |
| tblVehicleEF | SBUS | 3.7040e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.2925e-003 |
| tblVehicleEF | SBUS | 0.97        | 2.1627e-003 |
| tblVehicleEF | SBUS | 1.4870e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.13        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 7.5940e-003 |
| tblVehicleEF | SBUS | 0.53        | 0.02        |
| tblVehicleEF | SBUS | 0.01        | 0.00        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 7.2400e-004 | 3.0747e-005 |
| tblVehicleEF | SBUS | 3.7040e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.2925e-003 |
| tblVehicleEF | SBUS | 1.39        | 0.15        |
| tblVehicleEF | SBUS | 1.4870e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.16        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 7.5940e-003 |
| tblVehicleEF | SBUS | 0.58        | 0.02        |
| tblVehicleEF | SBUS | 0.86        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.08        | 3.9431e-003 |
| tblVehicleEF | SBUS | 7.91        | 0.18        |
| tblVehicleEF | SBUS | 1.28        | 0.25        |
| tblVehicleEF | SBUS | 7.78        | 0.39        |
| tblVehicleEF | SBUS | 1,186.23    | 38.87       |
| tblVehicleEF | SBUS | 1,066.60    | 1,087.41    |
| tblVehicleEF | SBUS | 54.09       | 2.99        |
| tblVehicleEF | SBUS | 10.08       | 0.05        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | SBUS | 4.22        | 0.36        |
| tbIVehicleEF | SBUS | 12.50       | 0.04        |
| tbIVehicleEF | SBUS | 8.8720e-003 | 1.0915e-004 |
| tbIVehicleEF | SBUS | 0.74        | 0.11        |
| tbIVehicleEF | SBUS | 0.01        | 0.03        |
| tbIVehicleEF | SBUS | 0.02        | 6.7144e-003 |
| tbIVehicleEF | SBUS | 8.6500e-004 | 7.8115e-006 |
| tbIVehicleEF | SBUS | 8.4880e-003 | 1.0036e-004 |
| tbIVehicleEF | SBUS | 0.32        | 0.04        |
| tbIVehicleEF | SBUS | 2.6420e-003 | 7.6926e-003 |
| tbIVehicleEF | SBUS | 0.02        | 6.4193e-003 |
| tbIVehicleEF | SBUS | 7.9500e-004 | 7.1823e-006 |
| tbIVehicleEF | SBUS | 8.3470e-003 | 0.02        |
| tbIVehicleEF | SBUS | 0.04        | 4.7382e-003 |
| tbIVehicleEF | SBUS | 0.96        | 2.1627e-003 |
| tbIVehicleEF | SBUS | 3.1820e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.13        | 0.06        |
| tbIVehicleEF | SBUS | 0.02        | 7.9992e-003 |
| tbIVehicleEF | SBUS | 0.44        | 0.01        |
| tbIVehicleEF | SBUS | 0.01        | 0.00        |
| tbIVehicleEF | SBUS | 0.01        | 0.01        |
| tbIVehicleEF | SBUS | 6.7700e-004 | 2.9591e-005 |
| tbIVehicleEF | SBUS | 8.3470e-003 | 0.02        |
| tbIVehicleEF | SBUS | 0.04        | 4.7382e-003 |
| tbIVehicleEF | SBUS | 1.39        | 0.15        |
| tbIVehicleEF | SBUS | 3.1820e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.16        | 0.11        |
| tbIVehicleEF | SBUS | 0.02        | 7.9992e-003 |
| tbIVehicleEF | SBUS | 0.48        | 0.02        |
| tbIVehicleEF | SBUS | 0.86        | 0.15        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.10        | 4.7319e-003 |
| tblVehicleEF | SBUS | 8.20        | 0.18        |
| tblVehicleEF | SBUS | 1.22        | 0.25        |
| tblVehicleEF | SBUS | 13.43       | 0.53        |
| tblVehicleEF | SBUS | 1,063.46    | 38.87       |
| tblVehicleEF | SBUS | 1,066.60    | 1,087.40    |
| tblVehicleEF | SBUS | 54.09       | 3.23        |
| tblVehicleEF | SBUS | 9.34        | 0.05        |
| tblVehicleEF | SBUS | 4.50        | 0.36        |
| tblVehicleEF | SBUS | 12.61       | 0.05        |
| tblVehicleEF | SBUS | 0.01        | 1.0915e-004 |
| tblVehicleEF | SBUS | 0.74        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.03        |
| tblVehicleEF | SBUS | 0.02        | 6.7144e-003 |
| tblVehicleEF | SBUS | 8.6500e-004 | 7.8115e-006 |
| tblVehicleEF | SBUS | 0.01        | 1.0036e-004 |
| tblVehicleEF | SBUS | 0.32        | 0.04        |
| tblVehicleEF | SBUS | 2.6420e-003 | 7.6926e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4193e-003 |
| tblVehicleEF | SBUS | 7.9500e-004 | 7.1823e-006 |
| tblVehicleEF | SBUS | 1.9750e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 3.9516e-003 |
| tblVehicleEF | SBUS | 0.97        | 2.1627e-003 |
| tblVehicleEF | SBUS | 8.4200e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.12        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 7.8145e-003 |
| tblVehicleEF | SBUS | 0.60        | 0.02        |
| tblVehicleEF | SBUS | 0.01        | 0.00        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 7.7000e-004 | 3.1897e-005 |
| tblVehicleEF | SBUS | 1.9750e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 3.9516e-003 |
| tblVehicleEF | SBUS | 1.40        | 0.15        |
| tblVehicleEF | SBUS | 8.4200e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.15        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 7.8145e-003 |
| tblVehicleEF | SBUS | 0.66        | 0.02        |
| tblVehicleEF | UBUS | 0.28        | 4.25        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 5.43        | 49.03       |
| tblVehicleEF | UBUS | 8.06        | 0.00        |
| tblVehicleEF | UBUS | 2,118.14    | 1,298.95    |
| tblVehicleEF | UBUS | 94.20       | 0.00        |
| tblVehicleEF | UBUS | 11.45       | 0.06        |
| tblVehicleEF | UBUS | 15.24       | 0.00        |
| tblVehicleEF | UBUS | 0.62        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |
| tblVehicleEF | UBUS | 0.26        | 2.9496e-004 |
| tblVehicleEF | UBUS | 1.0370e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 0.04        |
| tblVehicleEF | UBUS | 3.0000e-003 | 8.1796e-003 |
| tblVehicleEF | UBUS | 0.25        | 2.8220e-004 |
| tblVehicleEF | UBUS | 9.5300e-004 | 0.00        |
| tblVehicleEF | UBUS | 2.2720e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 1.0590e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.72        | 0.06        |
| tblVehicleEF | UBUS | 8.0440e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.55        | 0.00        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | UBUS | 0.02        | 0.00        |
| tbIVehicleEF | UBUS | 1.0850e-003 | 0.00        |
| tbIVehicleEF | UBUS | 2.2720e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.04        | 0.00        |
| tbIVehicleEF | UBUS | 1.0590e-003 | 0.00        |
| tbIVehicleEF | UBUS | 1.05        | 4.33        |
| tbIVehicleEF | UBUS | 8.0440e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.61        | 0.00        |
| tbIVehicleEF | UBUS | 0.28        | 4.25        |
| tbIVehicleEF | UBUS | 0.04        | 0.00        |
| tbIVehicleEF | UBUS | 5.50        | 49.03       |
| tbIVehicleEF | UBUS | 6.40        | 0.00        |
| tbIVehicleEF | UBUS | 2,118.14    | 1,298.95    |
| tbIVehicleEF | UBUS | 94.20       | 0.00        |
| tbIVehicleEF | UBUS | 10.98       | 0.06        |
| tbIVehicleEF | UBUS | 15.18       | 0.00        |
| tbIVehicleEF | UBUS | 0.62        | 0.11        |
| tbIVehicleEF | UBUS | 0.01        | 0.03        |
| tbIVehicleEF | UBUS | 0.26        | 2.9496e-004 |
| tbIVehicleEF | UBUS | 1.0370e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.27        | 0.04        |
| tbIVehicleEF | UBUS | 3.0000e-003 | 8.1796e-003 |
| tbIVehicleEF | UBUS | 0.25        | 2.8220e-004 |
| tbIVehicleEF | UBUS | 9.5300e-004 | 0.00        |
| tbIVehicleEF | UBUS | 5.4590e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.05        | 0.00        |
| tbIVehicleEF | UBUS | 2.5450e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.73        | 0.06        |
| tbIVehicleEF | UBUS | 7.4030e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.48        | 0.00        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 0.02        | 0.00        |
| tblVehicleEF | UBUS | 1.0570e-003 | 0.00        |
| tblVehicleEF | UBUS | 5.4590e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 2.5450e-003 | 0.00        |
| tblVehicleEF | UBUS | 1.07        | 4.33        |
| tblVehicleEF | UBUS | 7.4030e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.53        | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 4.25        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 5.39        | 49.03       |
| tblVehicleEF | UBUS | 9.65        | 0.00        |
| tblVehicleEF | UBUS | 2,118.14    | 1,298.95    |
| tblVehicleEF | UBUS | 94.20       | 0.00        |
| tblVehicleEF | UBUS | 11.63       | 0.06        |
| tblVehicleEF | UBUS | 15.29       | 0.00        |
| tblVehicleEF | UBUS | 0.62        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |
| tblVehicleEF | UBUS | 0.26        | 2.9496e-004 |
| tblVehicleEF | UBUS | 1.0370e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 0.04        |
| tblVehicleEF | UBUS | 3.0000e-003 | 8.1796e-003 |
| tblVehicleEF | UBUS | 0.25        | 2.8220e-004 |
| tblVehicleEF | UBUS | 9.5300e-004 | 0.00        |
| tblVehicleEF | UBUS | 1.1910e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 5.3700e-004 | 0.00        |
| tblVehicleEF | UBUS | 0.71        | 0.06        |
| tblVehicleEF | UBUS | 9.8390e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.62        | 0.00        |



**Mitigated Construction**

|                | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Year           | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| 2021           | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 5.7326        | 0.0000        | 0.0000         | 5.3076        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| 2022           | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.6515        | 0.0000        | 0.0000         | 0.6059        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Maximum</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>5.7326</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>5.3076</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

|                          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2    | NBio-CO2    | Total CO2   | CH4         | N2O         | CO2e        |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Percent Reduction</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>   | <b>0.00</b>  | <b>0.00</b> | <b>0.00</b>    | <b>0.00</b>   | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> |

**2.2 Overall Operational**

**Unmitigated Operational**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio-CO2          | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Area         | 1.8890        | 2.5000e-004   | 0.0276         | 0.0000        |               | 1.0000e-004   | 1.0000e-004   |                | 1.0000e-004   | 1.0000e-004   |          | 0.0589            | 0.0589            | 1.6000e-004   |               | 0.0628            |
| Energy       | 0.0577        | 0.5243        | 0.4405         | 3.1500e-003   |               | 0.0399        | 0.0399        |                | 0.0399        | 0.0399        |          | 629.2087          | 629.2087          | 0.0121        | 0.0115        | 632.9478          |
| Mobile       | 1.1134        | 1.7322        | 10.1656        | 0.0350        | 2.4759        | 0.0296        | 2.5055        | 0.6353         | 0.0283        | 0.6635        |          | 2,855.0552        | 2,855.0552        | 0.1526        |               | 2,858.8711        |
| <b>Total</b> | <b>3.0601</b> | <b>2.2568</b> | <b>10.6336</b> | <b>0.0381</b> | <b>2.4759</b> | <b>0.0696</b> | <b>2.5455</b> | <b>0.6353</b>  | <b>0.0682</b> | <b>0.7035</b> |          | <b>3,484.3227</b> | <b>3,484.3227</b> | <b>0.1649</b> | <b>0.0115</b> | <b>3,491.8816</b> |

**Mitigated Operational**

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio-CO2          | Total CO2         | CH4           | N2O           | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|---------------|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |               |                   |
| Area         | 1.8890        | 2.5000e-004   | 0.0276         | 0.0000        |               | 1.0000e-004   | 1.0000e-004   |                | 1.0000e-004   | 1.0000e-004   |          | 0.0589            | 0.0589            | 1.6000e-004   |               | 0.0628            |
| Energy       | 0.0577        | 0.5243        | 0.4405         | 3.1500e-003   |               | 0.0399        | 0.0399        |                | 0.0399        | 0.0399        |          | 629.2087          | 629.2087          | 0.0121        | 0.0115        | 632.9478          |
| Mobile       | 1.1134        | 1.7322        | 10.1656        | 0.0350        | 2.4759        | 0.0296        | 2.5055        | 0.6353         | 0.0283        | 0.6635        |          | 2,855.0552        | 2,855.0552        | 0.1526        |               | 2,858.8711        |
| <b>Total</b> | <b>3.0601</b> | <b>2.2568</b> | <b>10.6336</b> | <b>0.0381</b> | <b>2.4759</b> | <b>0.0696</b> | <b>2.5455</b> | <b>0.6353</b>  | <b>0.0682</b> | <b>0.7035</b> |          | <b>3,484.3227</b> | <b>3,484.3227</b> | <b>0.1649</b> | <b>0.0115</b> | <b>3,491.8816</b> |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 9/1/2021   | 8/31/2021  | 5             | 0        |                   |
| 2            | Site Preparation      | Site Preparation      | 9/29/2021  | 9/28/2021  | 5             | 0        |                   |
| 3            | Grading               | Grading               | 10/13/2021 | 10/12/2021 | 5             | 0        |                   |
| 4            | Building Construction | Building Construction | 11/10/2021 | 11/4/2021  | 5             | 0        |                   |
| 5            | Paving                | Paving                | 9/28/2022  | 9/27/2022  | 5             | 0        |                   |
| 6            | Architectural Coating | Architectural Coating | 10/26/2022 | 10/25/2022 | 5             | 0        |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 4.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 111,000; Non-Residential Outdoor: 37,000; Striped Parking Area:

**OffRoad Equipment**

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 113.00             | 44.00              | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |





### 3.3 Site Preparation - 2021

#### Unmitigated Construction On-Site

|               | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category      | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Fugitive Dust | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Off-Road      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

#### Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

#### Mitigated Construction On-Site





**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Unmitigated Construction Off-Site**

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|

| Category     | lb/day        |               |               |               |               |               |               |               |               |               | lb/day        |               |               |               |               |               |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|              | Hauling       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction Off-Site**

|          | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4    | N2O    | CO2e   |
|----------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|--------|--------|--------|
| Category | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |          |           |        |        |        |
| Hauling  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| Vendor   | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |



**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Paving       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|



|              |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2   | Total CO2  | CH4    | N2O | CO2e       |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |            |            |        |     |            |
| Mitigated   | 1.1134 | 1.7322 | 10.1656 | 0.0350 | 2.4759        | 0.0296       | 2.5055     | 0.6353         | 0.0283        | 0.6635      |          | 2,855.0552 | 2,855.0552 | 0.1526 |     | 2,858.8711 |
| Unmitigated | 1.1134 | 1.7322 | 10.1656 | 0.0350 | 2.4759        | 0.0296       | 2.5055     | 0.6353         | 0.0283        | 0.6635      |          | 2,855.0552 | 2,855.0552 | 0.1526 |     | 2,858.8711 |

#### 4.2 Trip Summary Information

| Land Use      | Average Daily Trip Rate |             |             | Unmitigated    | Mitigated      |
|---------------|-------------------------|-------------|-------------|----------------|----------------|
|               | Weekday                 | Saturday    | Sunday      | Annual VMT     | Annual VMT     |
| Manufacturing | 394.42                  | 0.00        | 0.00        | 881,718        | 881,718        |
| Parking Lot   | 0.00                    | 0.00        | 0.00        |                |                |
| <b>Total</b>  | <b>394.42</b>           | <b>0.00</b> | <b>0.00</b> | <b>881,718</b> | <b>881,718</b> |

#### 4.3 Trip Type Information

| Land Use      | Miles      |            |             | Trip %    |            |             | Trip Purpose % |          |         |
|---------------|------------|------------|-------------|-----------|------------|-------------|----------------|----------|---------|
|               | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C- | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Manufacturing | 9.50       | 7.30       | 7.30        | 59.00     | 28.00      | 13.00       | 100            | 0        | 0       |
| Parking Lot   | 9.50       | 7.30       | 7.30        | 0.00      | 0.00       | 0.00        | 0              | 0        | 0       |

#### 4.4 Fleet Mix

| Land Use      | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Manufacturing | 0.607897 | 0.037434 | 0.184004 | 0.107261 | 0.014919 | 0.004991 | 0.012447 | 0.020659 | 0.002115 | 0.001554 | 0.005334 | 0.000623 | 0.000761 |
| Parking Lot   | 0.607897 | 0.037434 | 0.184004 | 0.107261 | 0.014919 | 0.004991 | 0.012447 | 0.020659 | 0.002115 | 0.001554 | 0.005334 | 0.000623 | 0.000761 |

#### 5.0 Energy Detail

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

| Category | ROG    | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|--------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|          | lb/day |     |    |     |               |              |            |                |               |             | lb/day   |          |           |     |     |      |

|                        |        |        |        |             |  |        |        |  |        |        |  |          |          |        |        |          |
|------------------------|--------|--------|--------|-------------|--|--------|--------|--|--------|--------|--|----------|----------|--------|--------|----------|
| NaturalGas Mitigated   | 0.0577 | 0.5243 | 0.4405 | 3.1500e-003 |  | 0.0399 | 0.0399 |  | 0.0399 | 0.0399 |  | 629.2087 | 629.2087 | 0.0121 | 0.0115 | 632.9478 |
| NaturalGas Unmitigated | 0.0577 | 0.5243 | 0.4405 | 3.1500e-003 |  | 0.0399 | 0.0399 |  | 0.0399 | 0.0399 |  | 629.2087 | 629.2087 | 0.0121 | 0.0115 | 632.9478 |

## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

|               | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|---------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Land Use      | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |               |                 |
| Manufacturing | 5348.27        | 0.0577        | 0.5243        | 0.4405        | 3.1500e-003        |               | 0.0399        | 0.0399        |                | 0.0399        | 0.0399        |          | 629.2087        | 629.2087        | 0.0121        | 0.0115        | 632.9478        |
| Parking Lot   | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b>  |                | <b>0.0577</b> | <b>0.5243</b> | <b>0.4405</b> | <b>3.1500e-003</b> |               | <b>0.0399</b> | <b>0.0399</b> |                | <b>0.0399</b> | <b>0.0399</b> |          | <b>629.2087</b> | <b>629.2087</b> | <b>0.0121</b> | <b>0.0115</b> | <b>632.9478</b> |

### Mitigated

|               | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|---------------|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|---------------|-----------------|
| Land Use      | kBTU/yr        | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |               |                 |
| Manufacturing | 5.34827        | 0.0577        | 0.5243        | 0.4405        | 3.1500e-003        |               | 0.0399        | 0.0399        |                | 0.0399        | 0.0399        |          | 629.2087        | 629.2087        | 0.0121        | 0.0115        | 632.9478        |
| Parking Lot   | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| <b>Total</b>  |                | <b>0.0577</b> | <b>0.5243</b> | <b>0.4405</b> | <b>3.1500e-003</b> |               | <b>0.0399</b> | <b>0.0399</b> |                | <b>0.0399</b> | <b>0.0399</b> |          | <b>629.2087</b> | <b>629.2087</b> | <b>0.0121</b> | <b>0.0115</b> | <b>632.9478</b> |

## 6.0 Area Detail

## 6.1 Mitigation Measures Area

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |           |           |             |     |        |
| Mitigated   | 1.8890 | 2.5000e-004 | 0.0276 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0589    | 0.0589    | 1.6000e-004 |     | 0.0628 |
| Unmitigated | 1.8890 | 2.5000e-004 | 0.0276 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0589    | 0.0589    | 1.6000e-004 |     | 0.0628 |

## 6.2 Area by SubCategory

### Unmitigated

|                       | ROG           | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2     | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day        |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 0.2337        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 1.6527        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 2.5800e-003   | 2.5000e-004        | 0.0276        | 0.0000        |               | 1.0000e-004        | 1.0000e-004        |                | 1.0000e-004        | 1.0000e-004        |          | 0.0589        | 0.0589        | 1.6000e-004        |     | 0.0628        |
| <b>Total</b>          | <b>1.8890</b> | <b>2.5000e-004</b> | <b>0.0276</b> | <b>0.0000</b> |               | <b>1.0000e-004</b> | <b>1.0000e-004</b> |                | <b>1.0000e-004</b> | <b>1.0000e-004</b> |          | <b>0.0589</b> | <b>0.0589</b> | <b>1.6000e-004</b> |     | <b>0.0628</b> |

### Mitigated

|                       | ROG           | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio-CO2      | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day        |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 0.2337        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 1.6527        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 2.5800e-003   | 2.5000e-004        | 0.0276        | 0.0000        |               | 1.0000e-004        | 1.0000e-004        |                | 1.0000e-004        | 1.0000e-004        |          | 0.0589        | 0.0589        | 1.6000e-004        |     | 0.0628        |
| <b>Total</b>          | <b>1.8890</b> | <b>2.5000e-004</b> | <b>0.0276</b> | <b>0.0000</b> |               | <b>1.0000e-004</b> | <b>1.0000e-004</b> |                | <b>1.0000e-004</b> | <b>1.0000e-004</b> |          | <b>0.0589</b> | <b>0.0589</b> | <b>1.6000e-004</b> |     | <b>0.0628</b> |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

## 9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

## 10.0 Stationary Equipment

**Fire Pumps and Emergency Generators**

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

**Boilers**

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

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1660 Old Bayshore Highway - Santa Clara County, Summer

**1660 Old Bayshore Highway**  
**Santa Clara County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                        | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| General Office Building          | 3.00   | 1000sqft | 0.07        | 3,000.00           | 0          |
| Unrefrigerated Warehouse-No Rail | 23.00  | 1000sqft | 0.53        | 23,000.00          | 0          |
| Parking Lot                      | 238.00 | 1000sqft | 5.46        | 238,000.00         | 0          |

**1.2 Other Project Characteristics**

|                                 |                                |                                 |       |                                  |       |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                          | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 58    |
| <b>Climate Zone</b>             | 4                              |                                 |       | <b>Operational Year</b>          | 2022  |
| <b>Utility Company</b>          | Pacific Gas & Electric Company |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 641.35                         | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use -
- Construction Phase - Per construction questionnaire
- Demolition -
- Grading -
- Vehicle Trips - Per transportation memo
- Construction Off-road Equipment Mitigation - BAAQMD rule compliance

Water Mitigation -

Waste Mitigation -

Fleet Mix - Per transportation analysis

| Table Name             | Column Name                     | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction  | 0             | 6         |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0             | 12        |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed    | 0             | 15        |
| tblConstructionPhase   | NumDays                         | 20.00         | 27.00     |
| tblConstructionPhase   | NumDays                         | 230.00        | 0.00      |
| tblConstructionPhase   | NumDays                         | 20.00         | 22.00     |
| tblConstructionPhase   | NumDays                         | 20.00         | 25.00     |
| tblConstructionPhase   | NumDays                         | 20.00         | 36.00     |
| tblConstructionPhase   | NumDays                         | 10.00         | 6.00      |
| tblFleetMix            | HHD                             | 0.02          | 0.00      |
| tblFleetMix            | HHD                             | 0.02          | 0.00      |
| tblFleetMix            | HHD                             | 0.02          | 0.54      |
| tblFleetMix            | LDA                             | 0.61          | 1.00      |
| tblFleetMix            | LDA                             | 0.61          | 0.00      |
| tblFleetMix            | LDA                             | 0.61          | 0.00      |
| tblFleetMix            | LDT1                            | 0.04          | 0.00      |
| tblFleetMix            | LDT1                            | 0.04          | 0.00      |
| tblFleetMix            | LDT1                            | 0.04          | 0.00      |
| tblFleetMix            | LDT2                            | 0.18          | 0.00      |
| tblFleetMix            | LDT2                            | 0.18          | 0.00      |
| tblFleetMix            | LDT2                            | 0.18          | 0.00      |
| tblFleetMix            | LHD1                            | 0.01          | 0.00      |
| tblFleetMix            | LHD1                            | 0.01          | 1.00      |
| tblFleetMix            | LHD1                            | 0.01          | 0.00      |
| tblFleetMix            | LHD2                            | 5.0070e-003   | 0.00      |
| tblFleetMix            | LHD2                            | 5.0070e-003   | 0.00      |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblFleetMix  | LHD2 | 5.0070e-003 | 0.13        |
| tblFleetMix  | MCY  | 5.3120e-003 | 0.00        |
| tblFleetMix  | MCY  | 5.3120e-003 | 0.00        |
| tblFleetMix  | MCY  | 5.3120e-003 | 0.00        |
| tblFleetMix  | MDV  | 0.11        | 0.00        |
| tblFleetMix  | MDV  | 0.11        | 0.00        |
| tblFleetMix  | MDV  | 0.11        | 0.00        |
| tblFleetMix  | MH   | 7.4000e-004 | 0.00        |
| tblFleetMix  | MH   | 7.4000e-004 | 0.00        |
| tblFleetMix  | MH   | 7.4000e-004 | 0.00        |
| tblFleetMix  | MHD  | 0.01        | 0.00        |
| tblFleetMix  | MHD  | 0.01        | 0.00        |
| tblFleetMix  | MHD  | 0.01        | 0.33        |
| tblFleetMix  | OBUS | 2.1440e-003 | 0.00        |
| tblFleetMix  | OBUS | 2.1440e-003 | 0.00        |
| tblFleetMix  | OBUS | 2.1440e-003 | 0.00        |
| tblFleetMix  | SBUS | 6.2700e-004 | 0.00        |
| tblFleetMix  | SBUS | 6.2700e-004 | 0.00        |
| tblFleetMix  | SBUS | 6.2700e-004 | 0.00        |
| tblFleetMix  | UBUS | 1.5480e-003 | 0.00        |
| tblFleetMix  | UBUS | 1.5480e-003 | 0.00        |
| tblFleetMix  | UBUS | 1.5480e-003 | 0.00        |
| tblVehicleEF | HHD  | 0.47        | 0.19        |
| tblVehicleEF | HHD  | 0.06        | 0.12        |
| tblVehicleEF | HHD  | 0.09        | 9.3059e-008 |
| tblVehicleEF | HHD  | 2.43        | 4.66        |
| tblVehicleEF | HHD  | 0.99        | 0.78        |
| tblVehicleEF | HHD  | 3.63        | 4.0865e-004 |
| tblVehicleEF | HHD  | 4,565.51    | 823.13      |
| tblVehicleEF | HHD  | 1,620.25    | 1,586.46    |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 11.46       | 0.03        |
| tblVehicleEF | HHD | 19.86       | 4.20        |
| tblVehicleEF | HHD | 3.59        | 2.28        |
| tblVehicleEF | HHD | 19.45       | 2.27        |
| tblVehicleEF | HHD | 0.02        | 2.3172e-003 |
| tblVehicleEF | HHD | 0.06        | 0.08        |
| tblVehicleEF | HHD | 0.04        | 0.03        |
| tblVehicleEF | HHD | 0.02        | 0.03        |
| tblVehicleEF | HHD | 1.0200e-004 | 1.0586e-006 |
| tblVehicleEF | HHD | 0.02        | 2.2125e-003 |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 8.8280e-003 | 8.4017e-003 |
| tblVehicleEF | HHD | 0.01        | 0.03        |
| tblVehicleEF | HHD | 9.4000e-005 | 9.7336e-007 |
| tblVehicleEF | HHD | 9.9000e-005 | 3.1450e-004 |
| tblVehicleEF | HHD | 5.3040e-003 | 9.3541e-005 |
| tblVehicleEF | HHD | 0.62        | 0.31        |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.13        | 0.03        |
| tblVehicleEF | HHD | 4.5600e-004 | 8.4266e-004 |
| tblVehicleEF | HHD | 0.10        | 5.0557e-007 |
| tblVehicleEF | HHD | 0.04        | 7.3108e-003 |
| tblVehicleEF | HHD | 0.02        | 0.01        |
| tblVehicleEF | HHD | 1.7500e-004 | 2.8166e-007 |
| tblVehicleEF | HHD | 9.9000e-005 | 3.1450e-004 |
| tblVehicleEF | HHD | 5.3040e-003 | 9.3541e-005 |
| tblVehicleEF | HHD | 0.72        | 0.54        |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.20        | 0.16        |
| tblVehicleEF | HHD | 4.5600e-004 | 8.4266e-004 |

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| tblVehicleEF | HHD | 0.11        | 5.5354e-007 |
| tblVehicleEF | HHD | 0.44        | 8.8359e-003 |
| tblVehicleEF | HHD | 0.06        | 8.5237e-003 |
| tblVehicleEF | HHD | 0.08        | 0.07        |
| tblVehicleEF | HHD | 1.76        | 0.21        |
| tblVehicleEF | HHD | 1.00        | 1.10        |
| tblVehicleEF | HHD | 3.34        | 2.76        |
| tblVehicleEF | HHD | 4,836.52    | 37.30       |
| tblVehicleEF | HHD | 1,620.25    | 369.58      |
| tblVehicleEF | HHD | 11.46       | 68.80       |
| tblVehicleEF | HHD | 20.50       | 0.18        |
| tblVehicleEF | HHD | 3.45        | 0.15        |
| tblVehicleEF | HHD | 19.43       | 0.35        |
| tblVehicleEF | HHD | 0.01        | 9.2515e-005 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1960e-003 |
| tblVehicleEF | HHD | 0.02        | 2.5130e-003 |
| tblVehicleEF | HHD | 1.0200e-004 | 2.1468e-003 |
| tblVehicleEF | HHD | 0.01        | 8.8309e-005 |
| tblVehicleEF | HHD | 0.03        | 3.8131e-003 |
| tblVehicleEF | HHD | 8.8280e-003 | 2.2990e-003 |
| tblVehicleEF | HHD | 0.01        | 2.3553e-003 |
| tblVehicleEF | HHD | 9.4000e-005 | 1.9740e-003 |
| tblVehicleEF | HHD | 2.2500e-004 | 0.43        |
| tblVehicleEF | HHD | 5.7050e-003 | 0.10        |
| tblVehicleEF | HHD | 0.58        | 0.01        |
| tblVehicleEF | HHD | 1.3000e-004 | 0.00        |
| tblVehicleEF | HHD | 0.13        | 0.01        |
| tblVehicleEF | HHD | 4.4300e-004 | 0.25        |
| tblVehicleEF | HHD | 0.09        | 0.30        |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.05        | 3.3117e-004 |
| tblVehicleEF | HHD | 0.02        | 3.5955e-003 |
| tblVehicleEF | HHD | 1.7000e-004 | 6.8018e-004 |
| tblVehicleEF | HHD | 2.2500e-004 | 0.43        |
| tblVehicleEF | HHD | 5.7050e-003 | 0.10        |
| tblVehicleEF | HHD | 0.67        | 0.03        |
| tblVehicleEF | HHD | 1.3000e-004 | 0.00        |
| tblVehicleEF | HHD | 0.20        | 0.02        |
| tblVehicleEF | HHD | 4.4300e-004 | 0.25        |
| tblVehicleEF | HHD | 0.10        | 0.33        |
| tblVehicleEF | HHD | 0.51        | 8.7591e-003 |
| tblVehicleEF | HHD | 0.06        | 8.2526e-003 |
| tblVehicleEF | HHD | 0.09        | 0.09        |
| tblVehicleEF | HHD | 3.34        | 0.22        |
| tblVehicleEF | HHD | 0.98        | 0.81        |
| tblVehicleEF | HHD | 3.90        | 4.12        |
| tblVehicleEF | HHD | 4,191.27    | 37.74       |
| tblVehicleEF | HHD | 1,620.25    | 344.41      |
| tblVehicleEF | HHD | 11.46       | 71.33       |
| tblVehicleEF | HHD | 18.98       | 0.20        |
| tblVehicleEF | HHD | 3.65        | 0.16        |
| tblVehicleEF | HHD | 19.47       | 0.40        |
| tblVehicleEF | HHD | 0.02        | 1.2347e-004 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1960e-003 |
| tblVehicleEF | HHD | 0.02        | 2.5130e-003 |
| tblVehicleEF | HHD | 1.0200e-004 | 2.1468e-003 |
| tblVehicleEF | HHD | 0.02        | 1.1793e-004 |
| tblVehicleEF | HHD | 0.03        | 3.8131e-003 |
| tblVehicleEF | HHD | 8.8280e-003 | 2.2990e-003 |

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| tblVehicleEF | HHD | 0.01        | 2.3553e-003 |
| tblVehicleEF | HHD | 9.4000e-005 | 1.9740e-003 |
| tblVehicleEF | HHD | 5.2000e-005 | 0.29        |
| tblVehicleEF | HHD | 5.5350e-003 | 0.09        |
| tblVehicleEF | HHD | 0.67        | 0.01        |
| tblVehicleEF | HHD | 3.2000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.13        | 0.01        |
| tblVehicleEF | HHD | 5.0700e-004 | 0.24        |
| tblVehicleEF | HHD | 0.11        | 0.41        |
| tblVehicleEF | HHD | 0.04        | 3.3532e-004 |
| tblVehicleEF | HHD | 0.02        | 3.3466e-003 |
| tblVehicleEF | HHD | 1.7900e-004 | 7.0521e-004 |
| tblVehicleEF | HHD | 5.2000e-005 | 0.29        |
| tblVehicleEF | HHD | 5.5350e-003 | 0.09        |
| tblVehicleEF | HHD | 0.77        | 0.02        |
| tblVehicleEF | HHD | 3.2000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.20        | 0.02        |
| tblVehicleEF | HHD | 5.0700e-004 | 0.24        |
| tblVehicleEF | HHD | 0.12        | 0.45        |
| tblVehicleEF | LDA | 3.7060e-003 | 2.6232e-003 |
| tblVehicleEF | LDA | 5.4290e-003 | 0.07        |
| tblVehicleEF | LDA | 0.53        | 0.76        |
| tblVehicleEF | LDA | 1.19        | 3.34        |
| tblVehicleEF | LDA | 244.39      | 260.00      |
| tblVehicleEF | LDA | 57.27       | 67.39       |
| tblVehicleEF | LDA | 0.05        | 0.05        |
| tblVehicleEF | LDA | 0.07        | 0.26        |
| tblVehicleEF | LDA | 0.04        | 7.2324e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6570e-003 | 1.2497e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 2.2460e-003 | 2.0725e-003 |
| tblVehicleEF | LDA | 0.02        | 2.5313e-003 |
| tblVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA | 1.5270e-003 | 1.1492e-003 |
| tblVehicleEF | LDA | 2.0650e-003 | 1.9057e-003 |
| tblVehicleEF | LDA | 0.03        | 0.30        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.03        | 0.00        |
| tblVehicleEF | LDA | 9.3290e-003 | 0.01        |
| tblVehicleEF | LDA | 0.04        | 0.23        |
| tblVehicleEF | LDA | 0.07        | 0.35        |
| tblVehicleEF | LDA | 2.4470e-003 | 2.5704e-003 |
| tblVehicleEF | LDA | 5.9300e-004 | 6.6621e-004 |
| tblVehicleEF | LDA | 0.03        | 0.30        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.03        | 0.00        |
| tblVehicleEF | LDA | 0.01        | 0.02        |
| tblVehicleEF | LDA | 0.04        | 0.23        |
| tblVehicleEF | LDA | 0.08        | 0.38        |
| tblVehicleEF | LDA | 4.1270e-003 | 3.3503e-003 |
| tblVehicleEF | LDA | 4.4980e-003 | 0.05        |
| tblVehicleEF | LDA | 0.63        | 0.92        |
| tblVehicleEF | LDA | 0.95        | 2.19        |
| tblVehicleEF | LDA | 263.47      | 167.26      |
| tblVehicleEF | LDA | 57.27       | 45.43       |
| tblVehicleEF | LDA | 0.04        | 0.06        |
| tblVehicleEF | LDA | 0.06        | 0.18        |
| tblVehicleEF | LDA | 0.04        | 6.2696e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6570e-003 | 1.2344e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 2.2460e-003 | 1.6960e-003 |
| tblVehicleEF | LDA | 0.02        | 2.1944e-003 |
| tblVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA | 1.5270e-003 | 1.1455e-003 |
| tblVehicleEF | LDA | 2.0650e-003 | 1.5595e-003 |
| tblVehicleEF | LDA | 0.07        | 0.41        |
| tblVehicleEF | LDA | 0.11        | 0.09        |
| tblVehicleEF | LDA | 0.05        | 0.00        |
| tblVehicleEF | LDA | 0.01        | 0.02        |
| tblVehicleEF | LDA | 0.04        | 0.24        |
| tblVehicleEF | LDA | 0.06        | 0.24        |
| tblVehicleEF | LDA | 2.6390e-003 | 1.6523e-003 |
| tblVehicleEF | LDA | 5.8800e-004 | 4.4913e-004 |
| tblVehicleEF | LDA | 0.07        | 0.41        |
| tblVehicleEF | LDA | 0.11        | 0.09        |
| tblVehicleEF | LDA | 0.05        | 0.00        |
| tblVehicleEF | LDA | 0.02        | 0.02        |
| tblVehicleEF | LDA | 0.04        | 0.24        |
| tblVehicleEF | LDA | 0.07        | 0.27        |
| tblVehicleEF | LDA | 3.6070e-003 | 3.0713e-003 |
| tblVehicleEF | LDA | 6.1520e-003 | 0.06        |
| tblVehicleEF | LDA | 0.52        | 0.68        |
| tblVehicleEF | LDA | 1.40        | 3.33        |
| tblVehicleEF | LDA | 241.25      | 154.43      |
| tblVehicleEF | LDA | 57.27       | 47.54       |
| tblVehicleEF | LDA | 0.05        | 0.07        |
| tblVehicleEF | LDA | 0.08        | 0.22        |
| tblVehicleEF | LDA | 0.04        | 6.2696e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6570e-003 | 1.2344e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDA  | 2.2460e-003 | 1.6960e-003 |
| tblVehicleEF | LDA  | 0.02        | 2.1944e-003 |
| tblVehicleEF | LDA  | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA  | 1.5270e-003 | 1.1455e-003 |
| tblVehicleEF | LDA  | 2.0650e-003 | 1.5595e-003 |
| tblVehicleEF | LDA  | 0.02        | 0.27        |
| tblVehicleEF | LDA  | 0.10        | 0.08        |
| tblVehicleEF | LDA  | 0.01        | 0.00        |
| tblVehicleEF | LDA  | 9.0860e-003 | 0.01        |
| tblVehicleEF | LDA  | 0.05        | 0.24        |
| tblVehicleEF | LDA  | 0.08        | 0.33        |
| tblVehicleEF | LDA  | 2.4150e-003 | 1.5254e-003 |
| tblVehicleEF | LDA  | 5.9600e-004 | 4.7002e-004 |
| tblVehicleEF | LDA  | 0.02        | 0.27        |
| tblVehicleEF | LDA  | 0.10        | 0.08        |
| tblVehicleEF | LDA  | 0.01        | 0.00        |
| tblVehicleEF | LDA  | 0.01        | 0.02        |
| tblVehicleEF | LDA  | 0.05        | 0.24        |
| tblVehicleEF | LDA  | 0.09        | 0.37        |
| tblVehicleEF | LDT1 | 8.8890e-003 | 7.6272e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.12        |
| tblVehicleEF | LDT1 | 1.11        | 1.66        |
| tblVehicleEF | LDT1 | 2.58        | 5.99        |
| tblVehicleEF | LDT1 | 302.92      | 336.46      |
| tblVehicleEF | LDT1 | 70.29       | 88.39       |
| tblVehicleEF | LDT1 | 0.11        | 0.16        |
| tblVehicleEF | LDT1 | 0.14        | 0.42        |
| tblVehicleEF | LDT1 | 0.04        | 9.2179e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.2780e-003 | 2.2119e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 3.0330e-003 | 3.2042e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.2263e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.0980e-003 | 2.0382e-003 |
| tblVehicleEF | LDT1 | 2.7890e-003 | 2.9465e-003 |
| tblVehicleEF | LDT1 | 0.09        | 0.64        |
| tblVehicleEF | LDT1 | 0.22        | 0.18        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.03        |
| tblVehicleEF | LDT1 | 0.16        | 0.52        |
| tblVehicleEF | LDT1 | 0.17        | 0.62        |
| tblVehicleEF | LDT1 | 3.0420e-003 | 3.3236e-003 |
| tblVehicleEF | LDT1 | 7.4800e-004 | 8.7382e-004 |
| tblVehicleEF | LDT1 | 0.09        | 0.64        |
| tblVehicleEF | LDT1 | 0.22        | 0.18        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.05        |
| tblVehicleEF | LDT1 | 0.16        | 0.52        |
| tblVehicleEF | LDT1 | 0.19        | 0.68        |
| tblVehicleEF | LDT1 | 9.7860e-003 | 3.6446e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.08        |
| tblVehicleEF | LDT1 | 1.28        | 1.27        |
| tblVehicleEF | LDT1 | 2.02        | 3.24        |
| tblVehicleEF | LDT1 | 325.58      | 380.67      |
| tblVehicleEF | LDT1 | 70.29       | 90.36       |
| tblVehicleEF | LDT1 | 0.10        | 0.07        |
| tblVehicleEF | LDT1 | 0.13        | 0.34        |
| tblVehicleEF | LDT1 | 0.04        | 8.9226e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.2780e-003 | 1.4350e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 3.0330e-003 | 2.2377e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.0980e-003 | 1.3198e-003 |
| tblVehicleEF | LDT1 | 2.7890e-003 | 2.0575e-003 |
| tblVehicleEF | LDT1 | 0.20        | 0.41        |
| tblVehicleEF | LDT1 | 0.25        | 0.10        |
| tblVehicleEF | LDT1 | 0.14        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.14        | 0.36        |
| tblVehicleEF | LDT1 | 3.2710e-003 | 3.7633e-003 |
| tblVehicleEF | LDT1 | 7.3800e-004 | 8.9335e-004 |
| tblVehicleEF | LDT1 | 0.20        | 0.41        |
| tblVehicleEF | LDT1 | 0.25        | 0.10        |
| tblVehicleEF | LDT1 | 0.14        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.02        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.15        | 0.40        |
| tblVehicleEF | LDT1 | 8.7360e-003 | 3.3147e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.10        |
| tblVehicleEF | LDT1 | 1.10        | 0.92        |
| tblVehicleEF | LDT1 | 3.03        | 4.85        |
| tblVehicleEF | LDT1 | 299.19      | 353.86      |
| tblVehicleEF | LDT1 | 70.29       | 93.36       |
| tblVehicleEF | LDT1 | 0.12        | 0.10        |
| tblVehicleEF | LDT1 | 0.16        | 0.42        |
| tblVehicleEF | LDT1 | 0.04        | 8.9226e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.2780e-003 | 1.4350e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 3.0330e-003 | 2.2377e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.0980e-003 | 1.3198e-003 |
| tblVehicleEF | LDT1 | 2.7890e-003 | 2.0575e-003 |
| tblVehicleEF | LDT1 | 0.04        | 0.29        |
| tblVehicleEF | LDT1 | 0.24        | 0.08        |
| tblVehicleEF | LDT1 | 0.03        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 0.19        | 0.23        |
| tblVehicleEF | LDT1 | 0.19        | 0.50        |
| tblVehicleEF | LDT1 | 3.0040e-003 | 3.4982e-003 |
| tblVehicleEF | LDT1 | 7.5600e-004 | 9.2300e-004 |
| tblVehicleEF | LDT1 | 0.04        | 0.29        |
| tblVehicleEF | LDT1 | 0.24        | 0.08        |
| tblVehicleEF | LDT1 | 0.03        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.02        |
| tblVehicleEF | LDT1 | 0.19        | 0.23        |
| tblVehicleEF | LDT1 | 0.21        | 0.54        |
| tblVehicleEF | LDT2 | 0.00        | 3.4124e-005 |
| tblVehicleEF | LDT2 | 5.4440e-003 | 3.6032e-003 |
| tblVehicleEF | LDT2 | 7.2650e-003 | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 6.0978e-003 |
| tblVehicleEF | LDT2 | 0.73        | 0.94        |
| tblVehicleEF | LDT2 | 1.56        | 3.77        |
| tblVehicleEF | LDT2 | 0.00        | 0.90        |
| tblVehicleEF | LDT2 | 344.90      | 365.79      |
| tblVehicleEF | LDT2 | 80.03       | 84.08       |
| tblVehicleEF | LDT2 | 0.00        | 0.01        |
| tblVehicleEF | LDT2 | 0.08        | 0.16        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.12        | 0.35        |
| tblVehicleEF | LDT2 | 0.00        | 1.9036e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.01        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.1409e-003 |
| tblVehicleEF | LDT2 | 1.6350e-003 | 2.9240e-003 |
| tblVehicleEF | LDT2 | 2.2540e-003 | 2.0448e-003 |
| tblVehicleEF | LDT2 | 0.00        | 1.8212e-004 |
| tblVehicleEF | LDT2 | 0.02        | 3.9624e-003 |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0352e-003 |
| tblVehicleEF | LDT2 | 1.5040e-003 | 2.7466e-003 |
| tblVehicleEF | LDT2 | 2.0730e-003 | 1.8802e-003 |
| tblVehicleEF | LDT2 | 0.04        | 0.28        |
| tblVehicleEF | LDT2 | 0.11        | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 7.3466e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.00        |
| tblVehicleEF | LDT2 | 0.01        | 0.02        |
| tblVehicleEF | LDT2 | 0.07        | 0.21        |
| tblVehicleEF | LDT2 | 0.10        | 0.40        |
| tblVehicleEF | LDT2 | 0.00        | 8.5499e-006 |
| tblVehicleEF | LDT2 | 3.4540e-003 | 3.6069e-003 |
| tblVehicleEF | LDT2 | 8.2700e-004 | 8.3118e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.28        |
| tblVehicleEF | LDT2 | 0.11        | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 8.3662e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.03        |
| tblVehicleEF | LDT2 | 0.07        | 0.21        |
| tblVehicleEF | LDT2 | 0.11        | 0.44        |
| tblVehicleEF | LDT2 | 0.00        | 7.6272e-003 |
| tblVehicleEF | LDT2 | 6.0500e-003 | 9.5717e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 6.0220e-003 | 0.03        |
| tblVehicleEF | LDT2 | 0.00        | 0.24        |
| tblVehicleEF | LDT2 | 0.85        | 1.19        |
| tblVehicleEF | LDT2 | 1.24        | 2.72        |
| tblVehicleEF | LDT2 | 0.00        | 7.79        |
| tblVehicleEF | LDT2 | 371.14      | 803.81      |
| tblVehicleEF | LDT2 | 80.03       | 25.77       |
| tblVehicleEF | LDT2 | 0.00        | 2.4760e-003 |
| tblVehicleEF | LDT2 | 0.07        | 0.17        |
| tblVehicleEF | LDT2 | 0.11        | 0.61        |
| tblVehicleEF | LDT2 | 0.04        | 0.07        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT2 | 1.6350e-003 | 1.8552e-003 |
| tblVehicleEF | LDT2 | 2.2540e-003 | 4.0614e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT2 | 1.5040e-003 | 1.7154e-003 |
| tblVehicleEF | LDT2 | 2.0730e-003 | 3.7343e-004 |
| tblVehicleEF | LDT2 | 0.09        | 0.25        |
| tblVehicleEF | LDT2 | 0.12        | 0.06        |
| tblVehicleEF | LDT2 | 0.00        | 0.03        |
| tblVehicleEF | LDT2 | 0.08        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.05        |
| tblVehicleEF | LDT2 | 0.07        | 0.28        |
| tblVehicleEF | LDT2 | 0.08        | 0.17        |
| tblVehicleEF | LDT2 | 0.00        | 7.7026e-005 |
| tblVehicleEF | LDT2 | 3.7180e-003 | 7.9407e-003 |
| tblVehicleEF | LDT2 | 8.2100e-004 | 2.5473e-004 |
| tblVehicleEF | LDT2 | 0.09        | 0.25        |
| tblVehicleEF | LDT2 | 0.12        | 0.06        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.00        | 0.04        |
| tblVehicleEF | LDT2 | 0.08        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.07        |
| tblVehicleEF | LDT2 | 0.07        | 0.28        |
| tblVehicleEF | LDT2 | 0.09        | 0.18        |
| tblVehicleEF | LDT2 | 0.00        | 7.5668e-003 |
| tblVehicleEF | LDT2 | 5.3000e-003 | 8.9291e-003 |
| tblVehicleEF | LDT2 | 8.2280e-003 | 0.04        |
| tblVehicleEF | LDT2 | 0.00        | 0.24        |
| tblVehicleEF | LDT2 | 0.71        | 1.11        |
| tblVehicleEF | LDT2 | 1.83        | 3.13        |
| tblVehicleEF | LDT2 | 0.00        | 7.79        |
| tblVehicleEF | LDT2 | 340.57      | 802.78      |
| tblVehicleEF | LDT2 | 80.03       | 26.48       |
| tblVehicleEF | LDT2 | 0.00        | 2.4760e-003 |
| tblVehicleEF | LDT2 | 0.08        | 0.21        |
| tblVehicleEF | LDT2 | 0.13        | 0.69        |
| tblVehicleEF | LDT2 | 0.04        | 0.07        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT2 | 1.6350e-003 | 1.8552e-003 |
| tblVehicleEF | LDT2 | 2.2540e-003 | 4.0614e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT2 | 1.5040e-003 | 1.7154e-003 |
| tblVehicleEF | LDT2 | 2.0730e-003 | 3.7343e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.18        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.03        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.01        | 0.05        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.09        | 0.28        |
| tblVehicleEF | LDT2 | 0.11        | 0.19        |
| tblVehicleEF | LDT2 | 0.00        | 7.7026e-005 |
| tblVehicleEF | LDT2 | 3.4110e-003 | 7.9305e-003 |
| tblVehicleEF | LDT2 | 8.3100e-004 | 2.6182e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.18        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.04        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.07        |
| tblVehicleEF | LDT2 | 0.09        | 0.28        |
| tblVehicleEF | LDT2 | 0.12        | 0.20        |
| tblVehicleEF | LHD1 | 5.6090e-003 | 6.7430e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 0.15        | 0.22        |
| tblVehicleEF | LHD1 | 1.10        | 1.15        |
| tblVehicleEF | LHD1 | 2.75        | 2.55        |
| tblVehicleEF | LHD1 | 8.98        | 9.58        |
| tblVehicleEF | LHD1 | 696.09      | 883.93      |
| tblVehicleEF | LHD1 | 33.08       | 21.75       |
| tblVehicleEF | LHD1 | 0.07        | 0.03        |
| tblVehicleEF | LHD1 | 1.21        | 0.49        |
| tblVehicleEF | LHD1 | 1.04        | 0.57        |
| tblVehicleEF | LHD1 | 8.6100e-004 | 3.5889e-004 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.01        | 8.7793e-003 |
| tblVehicleEF | LHD1 | 0.01        | 8.9547e-003 |
| tblVehicleEF | LHD1 | 1.0070e-003 | 3.2449e-004 |
| tblVehicleEF | LHD1 | 8.2400e-004 | 3.4337e-004 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5070e-003 | 2.1948e-003 |
| tblVehicleEF | LHD1 | 0.01        | 8.5129e-003 |
| tblVehicleEF | LHD1 | 9.2600e-004 | 2.9835e-004 |
| tblVehicleEF | LHD1 | 2.7290e-003 | 0.17        |
| tblVehicleEF | LHD1 | 0.11        | 0.04        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 1.3770e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.12        | 0.08        |
| tblVehicleEF | LHD1 | 0.33        | 0.24        |
| tblVehicleEF | LHD1 | 0.28        | 0.15        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.3557e-005 |
| tblVehicleEF | LHD1 | 6.8380e-003 | 8.6767e-003 |
| tblVehicleEF | LHD1 | 3.8300e-004 | 2.1500e-004 |
| tblVehicleEF | LHD1 | 2.7290e-003 | 0.17        |
| tblVehicleEF | LHD1 | 0.11        | 0.04        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.3770e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.15        | 0.10        |
| tblVehicleEF | LHD1 | 0.33        | 0.24        |
| tblVehicleEF | LHD1 | 0.31        | 0.17        |
| tblVehicleEF | LHD1 | 5.6090e-003 | 2.1891e-003 |
| tblVehicleEF | LHD1 | 0.02        | 9.2129e-003 |
| tblVehicleEF | LHD1 | 0.02        | 7.8527e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.11        |
| tblVehicleEF | LHD1 | 1.13        | 0.68        |
| tblVehicleEF | LHD1 | 2.55        | 0.68        |
| tblVehicleEF | LHD1 | 8.98        | 10.41       |
| tblVehicleEF | LHD1 | 696.09      | 714.26      |
| tblVehicleEF | LHD1 | 33.08       | 6.05        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.07        | 0.13        |
| tblVehicleEF | LHD1 | 1.15        | 1.62        |
| tblVehicleEF | LHD1 | 0.97        | 0.15        |
| tblVehicleEF | LHD1 | 8.6100e-004 | 1.7226e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.01        | 0.01        |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |
| tblVehicleEF | LHD1 | 1.0070e-003 | 7.4166e-005 |
| tblVehicleEF | LHD1 | 8.2400e-004 | 1.6481e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5070e-003 | 2.8033e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.03        |
| tblVehicleEF | LHD1 | 9.2600e-004 | 6.8193e-005 |
| tblVehicleEF | LHD1 | 6.1550e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 2.8490e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.17        |
| tblVehicleEF | LHD1 | 0.32        | 0.06        |
| tblVehicleEF | LHD1 | 0.26        | 0.04        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.9507e-005 |
| tblVehicleEF | LHD1 | 6.8380e-003 | 6.8501e-003 |
| tblVehicleEF | LHD1 | 3.7900e-004 | 5.9816e-005 |
| tblVehicleEF | LHD1 | 6.1550e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 2.8490e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.20        |
| tblVehicleEF | LHD1 | 0.32        | 0.06        |
| tblVehicleEF | LHD1 | 0.29        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 5.6090e-003 | 2.1740e-003 |
| tblVehicleEF | LHD1 | 0.02        | 9.1105e-003 |
| tblVehicleEF | LHD1 | 0.02        | 8.6787e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.11        |
| tblVehicleEF | LHD1 | 1.08        | 0.66        |
| tblVehicleEF | LHD1 | 2.95        | 0.79        |
| tblVehicleEF | LHD1 | 8.98        | 10.41       |
| tblVehicleEF | LHD1 | 696.09      | 714.24      |
| tblVehicleEF | LHD1 | 33.08       | 6.23        |
| tblVehicleEF | LHD1 | 0.07        | 0.13        |
| tblVehicleEF | LHD1 | 1.23        | 1.71        |
| tblVehicleEF | LHD1 | 1.10        | 0.17        |
| tblVehicleEF | LHD1 | 8.6100e-004 | 1.7226e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.01        | 0.01        |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |
| tblVehicleEF | LHD1 | 1.0070e-003 | 7.4166e-005 |
| tblVehicleEF | LHD1 | 8.2400e-004 | 1.6481e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5070e-003 | 2.8033e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.03        |
| tblVehicleEF | LHD1 | 9.2600e-004 | 6.8193e-005 |
| tblVehicleEF | LHD1 | 1.3760e-003 | 0.04        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 7.2300e-004 | 0.00        |
| tblVehicleEF | LHD1 | 0.12        | 0.17        |
| tblVehicleEF | LHD1 | 0.36        | 0.06        |
| tblVehicleEF | LHD1 | 0.29        | 0.04        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.9507e-005 |

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|--------------|------|-------------|-------------|
| tbIVehicleEF | LHD1 | 6.8380e-003 | 6.8499e-003 |
| tbIVehicleEF | LHD1 | 3.8600e-004 | 6.1546e-005 |
| tbIVehicleEF | LHD1 | 1.3760e-003 | 0.04        |
| tbIVehicleEF | LHD1 | 0.12        | 0.01        |
| tbIVehicleEF | LHD1 | 0.02        | 0.02        |
| tbIVehicleEF | LHD1 | 7.2300e-004 | 0.00        |
| tbIVehicleEF | LHD1 | 0.15        | 0.20        |
| tbIVehicleEF | LHD1 | 0.36        | 0.06        |
| tbIVehicleEF | LHD1 | 0.32        | 0.05        |
| tbIVehicleEF | LHD2 | 3.5690e-003 | 3.1695e-003 |
| tbIVehicleEF | LHD2 | 8.3070e-003 | 0.11        |
| tbIVehicleEF | LHD2 | 7.6510e-003 | 0.13        |
| tbIVehicleEF | LHD2 | 0.12        | 0.10        |
| tbIVehicleEF | LHD2 | 0.59        | 9.15        |
| tbIVehicleEF | LHD2 | 1.25        | 6.10        |
| tbIVehicleEF | LHD2 | 14.03       | 3.77        |
| tbIVehicleEF | LHD2 | 712.64      | 482.22      |
| tbIVehicleEF | LHD2 | 24.58       | 40.90       |
| tbIVehicleEF | LHD2 | 0.10        | 1.0257e-003 |
| tbIVehicleEF | LHD2 | 0.81        | 0.47        |
| tbIVehicleEF | LHD2 | 0.48        | 0.36        |
| tbIVehicleEF | LHD2 | 1.2710e-003 | 0.00        |
| tbIVehicleEF | LHD2 | 0.09        | 0.04        |
| tbIVehicleEF | LHD2 | 0.01        | 5.4165e-003 |
| tbIVehicleEF | LHD2 | 0.01        | 1.8077e-003 |
| tbIVehicleEF | LHD2 | 4.4000e-004 | 2.3860e-003 |
| tbIVehicleEF | LHD2 | 1.2160e-003 | 0.00        |
| tbIVehicleEF | LHD2 | 0.04        | 0.01        |
| tbIVehicleEF | LHD2 | 2.6860e-003 | 1.3541e-003 |
| tbIVehicleEF | LHD2 | 0.01        | 1.6835e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 4.0400e-004 | 2.2459e-003 |
| tblVehicleEF | LHD2 | 8.9800e-004 | 1.27        |
| tblVehicleEF | LHD2 | 0.03        | 2.15        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.7100e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.76        |
| tblVehicleEF | LHD2 | 0.08        | 2.34        |
| tblVehicleEF | LHD2 | 0.10        | 0.93        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 3.7254e-005 |
| tblVehicleEF | LHD2 | 6.9320e-003 | 4.7672e-003 |
| tblVehicleEF | LHD2 | 2.6800e-004 | 4.0430e-004 |
| tblVehicleEF | LHD2 | 8.9800e-004 | 1.27        |
| tblVehicleEF | LHD2 | 0.03        | 2.15        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 4.7100e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.91        |
| tblVehicleEF | LHD2 | 0.08        | 2.34        |
| tblVehicleEF | LHD2 | 0.11        | 1.02        |
| tblVehicleEF | LHD2 | 3.5690e-003 | 2.0004e-004 |
| tblVehicleEF | LHD2 | 8.4380e-003 | 0.09        |
| tblVehicleEF | LHD2 | 7.2390e-003 | 0.08        |
| tblVehicleEF | LHD2 | 0.12        | 0.04        |
| tblVehicleEF | LHD2 | 0.59        | 6.87        |
| tblVehicleEF | LHD2 | 1.17        | 3.56        |
| tblVehicleEF | LHD2 | 14.03       | 8.43        |
| tblVehicleEF | LHD2 | 712.64      | 485.27      |
| tblVehicleEF | LHD2 | 24.58       | 24.50       |
| tblVehicleEF | LHD2 | 0.10        | 0.08        |
| tblVehicleEF | LHD2 | 0.78        | 1.05        |
| tblVehicleEF | LHD2 | 0.46        | 0.07        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 1.2710e-003 | 1.1105e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 8.0575e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.4000e-004 | 1.9108e-003 |
| tblVehicleEF | LHD2 | 1.2160e-003 | 1.0625e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.02        |
| tblVehicleEF | LHD2 | 2.6860e-003 | 2.0144e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.0400e-004 | 1.8010e-003 |
| tblVehicleEF | LHD2 | 2.0260e-003 | 1.62        |
| tblVehicleEF | LHD2 | 0.04        | 1.90        |
| tblVehicleEF | LHD2 | 0.01        | 4.3068e-003 |
| tblVehicleEF | LHD2 | 9.7700e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.65        |
| tblVehicleEF | LHD2 | 0.08        | 1.91        |
| tblVehicleEF | LHD2 | 0.10        | 0.61        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 7.9905e-005 |
| tblVehicleEF | LHD2 | 6.9320e-003 | 4.6363e-003 |
| tblVehicleEF | LHD2 | 2.6700e-004 | 2.4222e-004 |
| tblVehicleEF | LHD2 | 2.0260e-003 | 1.62        |
| tblVehicleEF | LHD2 | 0.04        | 1.90        |
| tblVehicleEF | LHD2 | 0.02        | 4.9030e-003 |
| tblVehicleEF | LHD2 | 9.7700e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.77        |
| tblVehicleEF | LHD2 | 0.08        | 1.91        |
| tblVehicleEF | LHD2 | 0.11        | 0.66        |
| tblVehicleEF | LHD2 | 3.5690e-003 | 2.0004e-004 |
| tblVehicleEF | LHD2 | 8.2040e-003 | 0.09        |
| tblVehicleEF | LHD2 | 8.0090e-003 | 0.11        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.12        | 0.04        |
| tblVehicleEF | LHD2 | 0.58        | 7.20        |
| tblVehicleEF | LHD2 | 1.34        | 4.71        |
| tblVehicleEF | LHD2 | 14.03       | 8.43        |
| tblVehicleEF | LHD2 | 712.64      | 485.90      |
| tblVehicleEF | LHD2 | 24.58       | 27.15       |
| tblVehicleEF | LHD2 | 0.10        | 0.08        |
| tblVehicleEF | LHD2 | 0.83        | 1.14        |
| tblVehicleEF | LHD2 | 0.51        | 0.08        |
| tblVehicleEF | LHD2 | 1.2710e-003 | 1.1105e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 8.0575e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.4000e-004 | 1.9108e-003 |
| tblVehicleEF | LHD2 | 1.2160e-003 | 1.0625e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.02        |
| tblVehicleEF | LHD2 | 2.6860e-003 | 2.0144e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.0400e-004 | 1.8010e-003 |
| tblVehicleEF | LHD2 | 4.5700e-004 | 0.89        |
| tblVehicleEF | LHD2 | 0.04        | 1.69        |
| tblVehicleEF | LHD2 | 0.01        | 4.3068e-003 |
| tblVehicleEF | LHD2 | 2.4900e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.68        |
| tblVehicleEF | LHD2 | 0.09        | 2.05        |
| tblVehicleEF | LHD2 | 0.11        | 0.85        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 7.9905e-005 |
| tblVehicleEF | LHD2 | 6.9320e-003 | 4.6425e-003 |
| tblVehicleEF | LHD2 | 2.7000e-004 | 2.6836e-004 |
| tblVehicleEF | LHD2 | 4.5700e-004 | 0.89        |

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|--------------|------|-------------|-------------|
| tbIVehicleEF | LHD2 | 0.04        | 1.69        |
| tbIVehicleEF | LHD2 | 0.02        | 4.9030e-003 |
| tbIVehicleEF | LHD2 | 2.4900e-004 | 0.00        |
| tbIVehicleEF | LHD2 | 0.13        | 0.80        |
| tbIVehicleEF | LHD2 | 0.09        | 2.05        |
| tbIVehicleEF | LHD2 | 0.12        | 0.93        |
| tbIVehicleEF | MCY  | 0.44        | 0.06        |
| tbIVehicleEF | MCY  | 0.16        | 0.00        |
| tbIVehicleEF | MCY  | 19.05       | 0.06        |
| tbIVehicleEF | MCY  | 10.16       | 0.00        |
| tbIVehicleEF | MCY  | 169.25      | 0.06        |
| tbIVehicleEF | MCY  | 45.57       | 0.00        |
| tbIVehicleEF | MCY  | 1.15        | 0.06        |
| tbIVehicleEF | MCY  | 0.32        | 0.00        |
| tbIVehicleEF | MCY  | 0.01        | 0.06        |
| tbIVehicleEF | MCY  | 4.0000e-003 | 0.06        |
| tbIVehicleEF | MCY  | 1.9790e-003 | 0.06        |
| tbIVehicleEF | MCY  | 3.9070e-003 | 0.00        |
| tbIVehicleEF | MCY  | 5.0400e-003 | 0.06        |
| tbIVehicleEF | MCY  | 1.0000e-003 | 0.06        |
| tbIVehicleEF | MCY  | 1.8510e-003 | 0.06        |
| tbIVehicleEF | MCY  | 3.6840e-003 | 0.00        |
| tbIVehicleEF | MCY  | 0.91        | 0.00        |
| tbIVehicleEF | MCY  | 0.71        | 0.00        |
| tbIVehicleEF | MCY  | 0.50        | 0.00        |
| tbIVehicleEF | MCY  | 2.22        | 0.06        |
| tbIVehicleEF | MCY  | 0.62        | 0.00        |
| tbIVehicleEF | MCY  | 2.21        | 0.00        |
| tbIVehicleEF | MCY  | 2.0690e-003 | 0.06        |
| tbIVehicleEF | MCY  | 6.8700e-004 | 0.00        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tbIVehicleEF | MCY | 0.91        | 0.00        |
| tbIVehicleEF | MCY | 0.71        | 0.00        |
| tbIVehicleEF | MCY | 0.50        | 0.00        |
| tbIVehicleEF | MCY | 2.75        | 0.06        |
| tbIVehicleEF | MCY | 0.62        | 0.00        |
| tbIVehicleEF | MCY | 2.41        | 0.00        |
| tbIVehicleEF | MCY | 0.43        | 0.12        |
| tbIVehicleEF | MCY | 0.14        | 0.10        |
| tbIVehicleEF | MCY | 18.37       | 0.12        |
| tbIVehicleEF | MCY | 8.94        | 3.65        |
| tbIVehicleEF | MCY | 169.25      | 0.12        |
| tbIVehicleEF | MCY | 45.57       | 110.22      |
| tbIVehicleEF | MCY | 1.01        | 0.12        |
| tbIVehicleEF | MCY | 0.29        | 0.46        |
| tbIVehicleEF | MCY | 0.01        | 0.12        |
| tbIVehicleEF | MCY | 4.0000e-003 | 0.12        |
| tbIVehicleEF | MCY | 1.9790e-003 | 0.12        |
| tbIVehicleEF | MCY | 3.9070e-003 | 2.4524e-003 |
| tbIVehicleEF | MCY | 5.0400e-003 | 0.12        |
| tbIVehicleEF | MCY | 1.0000e-003 | 0.12        |
| tbIVehicleEF | MCY | 1.8510e-003 | 0.12        |
| tbIVehicleEF | MCY | 3.6840e-003 | 2.2552e-003 |
| tbIVehicleEF | MCY | 2.34        | 0.50        |
| tbIVehicleEF | MCY | 0.94        | 0.11        |
| tbIVehicleEF | MCY | 1.35        | 0.00        |
| tbIVehicleEF | MCY | 2.14        | 0.12        |
| tbIVehicleEF | MCY | 0.58        | 0.30        |
| tbIVehicleEF | MCY | 1.86        | 0.51        |
| tbIVehicleEF | MCY | 2.0550e-003 | 0.12        |
| tbIVehicleEF | MCY | 6.5600e-004 | 1.0897e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tbIVehicleEF | MCY | 2.34        | 0.50        |
| tbIVehicleEF | MCY | 0.94        | 0.11        |
| tbIVehicleEF | MCY | 1.35        | 0.00        |
| tbIVehicleEF | MCY | 2.65        | 0.12        |
| tbIVehicleEF | MCY | 0.58        | 0.30        |
| tbIVehicleEF | MCY | 2.02        | 0.56        |
| tbIVehicleEF | MCY | 0.46        | 0.15        |
| tbIVehicleEF | MCY | 0.19        | 0.13        |
| tbIVehicleEF | MCY | 20.53       | 0.15        |
| tbIVehicleEF | MCY | 11.58       | 5.49        |
| tbIVehicleEF | MCY | 169.25      | 0.15        |
| tbIVehicleEF | MCY | 45.57       | 113.77      |
| tbIVehicleEF | MCY | 1.23        | 0.15        |
| tbIVehicleEF | MCY | 0.34        | 0.56        |
| tbIVehicleEF | MCY | 0.01        | 0.15        |
| tbIVehicleEF | MCY | 4.0000e-003 | 0.15        |
| tbIVehicleEF | MCY | 1.9790e-003 | 0.15        |
| tbIVehicleEF | MCY | 3.9070e-003 | 2.4524e-003 |
| tbIVehicleEF | MCY | 5.0400e-003 | 0.15        |
| tbIVehicleEF | MCY | 1.0000e-003 | 0.15        |
| tbIVehicleEF | MCY | 1.8510e-003 | 0.15        |
| tbIVehicleEF | MCY | 3.6840e-003 | 2.2552e-003 |
| tbIVehicleEF | MCY | 0.39        | 0.36        |
| tbIVehicleEF | MCY | 0.86        | 0.10        |
| tbIVehicleEF | MCY | 0.19        | 0.00        |
| tbIVehicleEF | MCY | 2.31        | 0.15        |
| tbIVehicleEF | MCY | 0.73        | 0.30        |
| tbIVehicleEF | MCY | 2.56        | 0.70        |
| tbIVehicleEF | MCY | 2.0950e-003 | 0.15        |
| tbIVehicleEF | MCY | 7.2100e-004 | 1.1247e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 0.39        | 0.36        |
| tblVehicleEF | MCY | 0.86        | 0.10        |
| tblVehicleEF | MCY | 0.19        | 0.00        |
| tblVehicleEF | MCY | 2.86        | 0.15        |
| tblVehicleEF | MCY | 0.73        | 0.30        |
| tblVehicleEF | MCY | 2.79        | 0.76        |
| tblVehicleEF | MDV | 0.01        | 4.9691e-003 |
| tblVehicleEF | MDV | 0.02        | 0.12        |
| tblVehicleEF | MDV | 1.16        | 1.16        |
| tblVehicleEF | MDV | 2.96        | 4.64        |
| tblVehicleEF | MDV | 459.29      | 431.66      |
| tblVehicleEF | MDV | 104.69      | 111.61      |
| tblVehicleEF | MDV | 0.15        | 0.14        |
| tblVehicleEF | MDV | 0.26        | 0.51        |
| tblVehicleEF | MDV | 0.04        | 9.1312e-003 |
| tblVehicleEF | MDV | 8.0000e-003 | 8.0139e-003 |
| tblVehicleEF | MDV | 1.8300e-003 | 1.6547e-003 |
| tblVehicleEF | MDV | 2.5220e-003 | 2.4459e-003 |
| tblVehicleEF | MDV | 0.02        | 3.1959e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.0035e-003 |
| tblVehicleEF | MDV | 1.6870e-003 | 1.5287e-003 |
| tblVehicleEF | MDV | 2.3200e-003 | 2.2492e-003 |
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.17        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.02        |
| tblVehicleEF | MDV | 0.11        | 0.29        |
| tblVehicleEF | MDV | 0.23        | 0.61        |
| tblVehicleEF | MDV | 4.6000e-003 | 4.2667e-003 |
| tblVehicleEF | MDV | 1.0990e-003 | 1.1034e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.17        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.11        | 0.29        |
| tblVehicleEF | MDV | 0.25        | 0.67        |
| tblVehicleEF | MDV | 0.01        | 3.5409e-003 |
| tblVehicleEF | MDV | 0.01        | 6.9478e-003 |
| tblVehicleEF | MDV | 1.35        | 0.56        |
| tblVehicleEF | MDV | 2.34        | 0.24        |
| tblVehicleEF | MDV | 493.32      | 521.37      |
| tblVehicleEF | MDV | 104.69      | 18.58       |
| tblVehicleEF | MDV | 0.13        | 0.10        |
| tblVehicleEF | MDV | 0.23        | 0.02        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.5577e-003 |
| tblVehicleEF | MDV | 1.8300e-003 | 3.4381e-003 |
| tblVehicleEF | MDV | 2.5220e-003 | 4.7785e-004 |
| tblVehicleEF | MDV | 0.02        | 4.3289e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1394e-003 |
| tblVehicleEF | MDV | 1.6870e-003 | 3.2726e-003 |
| tblVehicleEF | MDV | 2.3200e-003 | 4.3936e-004 |
| tblVehicleEF | MDV | 0.14        | 1.03        |
| tblVehicleEF | MDV | 0.19        | 0.23        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.02        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.19        | 0.03        |
| tblVehicleEF | MDV | 4.9430e-003 | 5.0647e-003 |
| tblVehicleEF | MDV | 1.0880e-003 | 1.8364e-004 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.14        | 1.03        |
| tblVehicleEF | MDV | 0.19        | 0.23        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.20        | 0.03        |
| tblVehicleEF | MDV | 0.01        | 3.3062e-003 |
| tblVehicleEF | MDV | 0.02        | 9.3589e-003 |
| tblVehicleEF | MDV | 1.14        | 0.51        |
| tblVehicleEF | MDV | 3.46        | 0.35        |
| tblVehicleEF | MDV | 453.68      | 518.66      |
| tblVehicleEF | MDV | 104.69      | 18.79       |
| tblVehicleEF | MDV | 0.16        | 0.11        |
| tblVehicleEF | MDV | 0.28        | 0.03        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.5577e-003 |
| tblVehicleEF | MDV | 1.8300e-003 | 3.4381e-003 |
| tblVehicleEF | MDV | 2.5220e-003 | 4.7785e-004 |
| tblVehicleEF | MDV | 0.02        | 4.3289e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1394e-003 |
| tblVehicleEF | MDV | 1.6870e-003 | 3.2726e-003 |
| tblVehicleEF | MDV | 2.3200e-003 | 4.3936e-004 |
| tblVehicleEF | MDV | 0.03        | 0.69        |
| tblVehicleEF | MDV | 0.18        | 0.20        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.02        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.26        | 0.04        |
| tblVehicleEF | MDV | 4.5430e-003 | 5.0379e-003 |
| tblVehicleEF | MDV | 1.1080e-003 | 1.8577e-004 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.03        | 0.69        |
| tblVehicleEF | MDV | 0.18        | 0.20        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.28        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 1.1241e-003 |
| tblVehicleEF | MH  | 0.03        | 3.4119e-003 |
| tblVehicleEF | MH  | 0.03        | 8.3660e-005 |
| tblVehicleEF | MH  | 0.00        | 0.61        |
| tblVehicleEF | MH  | 2.40        | 0.30        |
| tblVehicleEF | MH  | 6.10        | 8.2263e-003 |
| tblVehicleEF | MH  | 0.00        | 194.86      |
| tblVehicleEF | MH  | 1,217.52    | 1,198.74    |
| tblVehicleEF | MH  | 59.35       | 0.07        |
| tblVehicleEF | MH  | 0.00        | 1.28        |
| tblVehicleEF | MH  | 1.39        | 1.67        |
| tblVehicleEF | MH  | 0.86        | 1.48        |
| tblVehicleEF | MH  | 0.00        | 3.7544e-003 |
| tblVehicleEF | MH  | 0.13        | 0.05        |
| tblVehicleEF | MH  | 0.01        | 0.01        |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 1.2090e-003 | 1.0909e-006 |
| tblVehicleEF | MH  | 0.00        | 3.5919e-003 |
| tblVehicleEF | MH  | 0.06        | 0.02        |
| tblVehicleEF | MH  | 3.2170e-003 | 3.0000e-003 |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 1.1120e-003 | 1.0031e-006 |
| tblVehicleEF | MH  | 0.89        | 0.11        |
| tblVehicleEF | MH  | 0.08        | 0.03        |

|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.00        | 0.02        |
| tblVehicleEF | MH | 0.31        | 0.00        |
| tblVehicleEF | MH | 0.11        | 0.05        |
| tblVehicleEF | MH | 0.02        | 7.0148e-004 |
| tblVehicleEF | MH | 0.35        | 3.6663e-004 |
| tblVehicleEF | MH | 0.00        | 1.8452e-003 |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 7.0000e-004 | 6.9092e-007 |
| tblVehicleEF | MH | 0.89        | 0.11        |
| tblVehicleEF | MH | 0.08        | 0.03        |
| tblVehicleEF | MH | 0.00        | 0.03        |
| tblVehicleEF | MH | 0.31        | 0.00        |
| tblVehicleEF | MH | 0.15        | 0.06        |
| tblVehicleEF | MH | 0.02        | 7.0148e-004 |
| tblVehicleEF | MH | 0.38        | 4.0141e-004 |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.04        | 0.02        |
| tblVehicleEF | MH | 0.02        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.52        |
| tblVehicleEF | MH | 2.51        | 2.26        |
| tblVehicleEF | MH | 5.53        | 5.97        |
| tblVehicleEF | MH | 0.00        | 28.41       |
| tblVehicleEF | MH | 1,217.52    | 1,733.30    |
| tblVehicleEF | MH | 59.35       | 47.17       |
| tblVehicleEF | MH | 0.00        | 4.5741e-003 |
| tblVehicleEF | MH | 1.30        | 1.04        |
| tblVehicleEF | MH | 0.80        | 0.43        |
| tblVehicleEF | MH | 0.13        | 0.04        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.02        | 0.01        |

|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 1.2090e-003 | 6.4295e-004 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2170e-003 | 3.1167e-003 |
| tblVehicleEF | MH | 0.02        | 0.01        |
| tblVehicleEF | MH | 1.1120e-003 | 5.9117e-004 |
| tblVehicleEF | MH | 2.02        | 0.23        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.05        |
| tblVehicleEF | MH | 0.65        | 0.00        |
| tblVehicleEF | MH | 0.11        | 0.12        |
| tblVehicleEF | MH | 0.02        | 0.35        |
| tblVehicleEF | MH | 0.32        | 0.27        |
| tblVehicleEF | MH | 0.00        | 2.8087e-004 |
| tblVehicleEF | MH | 0.01        | 0.02        |
| tblVehicleEF | MH | 6.9000e-004 | 4.6630e-004 |
| tblVehicleEF | MH | 2.02        | 0.23        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.07        |
| tblVehicleEF | MH | 0.65        | 0.00        |
| tblVehicleEF | MH | 0.15        | 0.17        |
| tblVehicleEF | MH | 0.02        | 0.35        |
| tblVehicleEF | MH | 0.36        | 0.30        |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 0.03        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.98        |
| tblVehicleEF | MH | 2.33        | 2.13        |
| tblVehicleEF | MH | 6.65        | 6.97        |
| tblVehicleEF | MH | 0.00        | 25.64       |
| tblVehicleEF | MH | 1,217.52    | 1,733.06    |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MH  | 59.35       | 48.87       |
| tblVehicleEF | MH  | 0.00        | 4.1996e-003 |
| tblVehicleEF | MH  | 1.43        | 1.17        |
| tblVehicleEF | MH  | 0.91        | 0.49        |
| tblVehicleEF | MH  | 0.13        | 0.04        |
| tblVehicleEF | MH  | 0.01        | 0.01        |
| tblVehicleEF | MH  | 0.02        | 0.01        |
| tblVehicleEF | MH  | 1.2090e-003 | 6.4295e-004 |
| tblVehicleEF | MH  | 0.06        | 0.02        |
| tblVehicleEF | MH  | 3.2170e-003 | 3.1167e-003 |
| tblVehicleEF | MH  | 0.02        | 0.01        |
| tblVehicleEF | MH  | 1.1120e-003 | 5.9117e-004 |
| tblVehicleEF | MH  | 0.44        | 0.15        |
| tblVehicleEF | MH  | 0.09        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.05        |
| tblVehicleEF | MH  | 0.17        | 0.00        |
| tblVehicleEF | MH  | 0.10        | 0.11        |
| tblVehicleEF | MH  | 0.02        | 0.34        |
| tblVehicleEF | MH  | 0.37        | 0.31        |
| tblVehicleEF | MH  | 0.00        | 2.5344e-004 |
| tblVehicleEF | MH  | 0.01        | 0.02        |
| tblVehicleEF | MH  | 7.0900e-004 | 4.8310e-004 |
| tblVehicleEF | MH  | 0.44        | 0.15        |
| tblVehicleEF | MH  | 0.09        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.08        |
| tblVehicleEF | MH  | 0.17        | 0.00        |
| tblVehicleEF | MH  | 0.14        | 0.16        |
| tblVehicleEF | MH  | 0.02        | 0.34        |
| tblVehicleEF | MH  | 0.40        | 0.34        |
| tblVehicleEF | MHD | 0.02        | 0.04        |

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|--------------|-----|-------------|-------------|
| tbIVehicleEF | MHD | 5.7650e-003 | 0.03        |
| tbIVehicleEF | MHD | 0.05        | 0.04        |
| tbIVehicleEF | MHD | 0.40        | 0.69        |
| tbIVehicleEF | MHD | 0.42        | 1.48        |
| tbIVehicleEF | MHD | 6.48        | 4.73        |
| tbIVehicleEF | MHD | 137.16      | 58.10       |
| tbIVehicleEF | MHD | 1,201.31    | 1,588.14    |
| tbIVehicleEF | MHD | 61.41       | 35.35       |
| tbIVehicleEF | MHD | 0.54        | 0.16        |
| tbIVehicleEF | MHD | 1.54        | 0.95        |
| tbIVehicleEF | MHD | 10.30       | 0.63        |
| tbIVehicleEF | MHD | 7.6500e-004 | 2.0694e-004 |
| tbIVehicleEF | MHD | 0.13        | 0.05        |
| tbIVehicleEF | MHD | 0.01        | 0.01        |
| tbIVehicleEF | MHD | 6.5420e-003 | 9.7614e-003 |
| tbIVehicleEF | MHD | 9.3800e-004 | 4.4424e-004 |
| tbIVehicleEF | MHD | 7.3200e-004 | 1.9682e-004 |
| tbIVehicleEF | MHD | 0.06        | 0.02        |
| tbIVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tbIVehicleEF | MHD | 6.2530e-003 | 9.3075e-003 |
| tbIVehicleEF | MHD | 8.6200e-004 | 4.0846e-004 |
| tbIVehicleEF | MHD | 9.7300e-004 | 0.13        |
| tbIVehicleEF | MHD | 0.04        | 0.03        |
| tbIVehicleEF | MHD | 0.03        | 0.05        |
| tbIVehicleEF | MHD | 4.9200e-004 | 0.00        |
| tbIVehicleEF | MHD | 0.06        | 0.08        |
| tbIVehicleEF | MHD | 0.02        | 0.23        |
| tbIVehicleEF | MHD | 0.38        | 0.22        |
| tbIVehicleEF | MHD | 1.3210e-003 | 4.7079e-004 |
| tbIVehicleEF | MHD | 0.01        | 0.02        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tbIVehicleEF | MHD | 7.2700e-004 | 3.4947e-004 |
| tbIVehicleEF | MHD | 9.7300e-004 | 0.13        |
| tbIVehicleEF | MHD | 0.04        | 0.03        |
| tbIVehicleEF | MHD | 0.04        | 0.10        |
| tbIVehicleEF | MHD | 4.9200e-004 | 0.00        |
| tbIVehicleEF | MHD | 0.07        | 0.13        |
| tbIVehicleEF | MHD | 0.02        | 0.23        |
| tbIVehicleEF | MHD | 0.42        | 0.24        |
| tbIVehicleEF | MHD | 0.02        | 0.01        |
| tbIVehicleEF | MHD | 5.8860e-003 | 8.5730e-003 |
| tbIVehicleEF | MHD | 0.05        | 2.3174e-003 |
| tbIVehicleEF | MHD | 0.27        | 0.58        |
| tbIVehicleEF | MHD | 0.43        | 0.27        |
| tbIVehicleEF | MHD | 5.95        | 0.25        |
| tbIVehicleEF | MHD | 145.45      | 183.12      |
| tbIVehicleEF | MHD | 1,201.31    | 1,199.68    |
| tbIVehicleEF | MHD | 61.41       | 2.12        |
| tbIVehicleEF | MHD | 0.56        | 1.15        |
| tbIVehicleEF | MHD | 1.48        | 1.57        |
| tbIVehicleEF | MHD | 10.24       | 1.40        |
| tbIVehicleEF | MHD | 6.4500e-004 | 2.8125e-003 |
| tbIVehicleEF | MHD | 0.13        | 0.05        |
| tbIVehicleEF | MHD | 0.01        | 0.01        |
| tbIVehicleEF | MHD | 6.5420e-003 | 0.02        |
| tbIVehicleEF | MHD | 9.3800e-004 | 1.9182e-005 |
| tbIVehicleEF | MHD | 6.1700e-004 | 2.6904e-003 |
| tbIVehicleEF | MHD | 0.06        | 0.02        |
| tbIVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tbIVehicleEF | MHD | 6.2530e-003 | 0.02        |
| tbIVehicleEF | MHD | 8.6200e-004 | 1.7637e-005 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 2.2570e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.4453e-003 |
| tblVehicleEF | MHD | 0.03        | 0.03        |
| tblVehicleEF | MHD | 1.0760e-003 | 0.00        |
| tblVehicleEF | MHD | 0.06        | 0.05        |
| tblVehicleEF | MHD | 0.02        | 9.8020e-003 |
| tblVehicleEF | MHD | 0.36        | 0.01        |
| tblVehicleEF | MHD | 1.3990e-003 | 1.7048e-003 |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 7.1800e-004 | 2.0936e-005 |
| tblVehicleEF | MHD | 2.2570e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.4453e-003 |
| tblVehicleEF | MHD | 0.04        | 0.04        |
| tblVehicleEF | MHD | 1.0760e-003 | 0.00        |
| tblVehicleEF | MHD | 0.07        | 0.07        |
| tblVehicleEF | MHD | 0.02        | 9.8020e-003 |
| tblVehicleEF | MHD | 0.39        | 0.01        |
| tblVehicleEF | MHD | 0.02        | 0.01        |
| tblVehicleEF | MHD | 5.6730e-003 | 8.5281e-003 |
| tblVehicleEF | MHD | 0.05        | 2.5910e-003 |
| tblVehicleEF | MHD | 0.52        | 0.65        |
| tblVehicleEF | MHD | 0.41        | 0.26        |
| tblVehicleEF | MHD | 6.96        | 0.30        |
| tblVehicleEF | MHD | 126.09      | 182.95      |
| tblVehicleEF | MHD | 1,201.31    | 1,199.67    |
| tblVehicleEF | MHD | 61.41       | 2.20        |
| tblVehicleEF | MHD | 0.52        | 1.19        |
| tblVehicleEF | MHD | 1.57        | 1.66        |
| tblVehicleEF | MHD | 10.35       | 1.40        |
| tblVehicleEF | MHD | 9.3100e-004 | 4.0302e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | MHD  | 0.13        | 0.05        |
| tbIVehicleEF | MHD  | 0.01        | 0.01        |
| tbIVehicleEF | MHD  | 6.5420e-003 | 0.02        |
| tbIVehicleEF | MHD  | 9.3800e-004 | 1.9182e-005 |
| tbIVehicleEF | MHD  | 8.9100e-004 | 3.8555e-003 |
| tbIVehicleEF | MHD  | 0.06        | 0.02        |
| tbIVehicleEF | MHD  | 3.0000e-003 | 3.0000e-003 |
| tbIVehicleEF | MHD  | 6.2530e-003 | 0.02        |
| tbIVehicleEF | MHD  | 8.6200e-004 | 1.7637e-005 |
| tbIVehicleEF | MHD  | 4.8000e-004 | 8.2395e-003 |
| tbIVehicleEF | MHD  | 0.05        | 2.1030e-003 |
| tbIVehicleEF | MHD  | 0.03        | 0.03        |
| tbIVehicleEF | MHD  | 2.5000e-004 | 0.00        |
| tbIVehicleEF | MHD  | 0.06        | 0.05        |
| tbIVehicleEF | MHD  | 0.03        | 9.8036e-003 |
| tbIVehicleEF | MHD  | 0.40        | 0.01        |
| tbIVehicleEF | MHD  | 1.2170e-003 | 1.7032e-003 |
| tbIVehicleEF | MHD  | 0.01        | 0.01        |
| tbIVehicleEF | MHD  | 7.3500e-004 | 2.1718e-005 |
| tbIVehicleEF | MHD  | 4.8000e-004 | 8.2395e-003 |
| tbIVehicleEF | MHD  | 0.05        | 2.1030e-003 |
| tbIVehicleEF | MHD  | 0.04        | 0.04        |
| tbIVehicleEF | MHD  | 2.5000e-004 | 0.00        |
| tbIVehicleEF | MHD  | 0.07        | 0.07        |
| tbIVehicleEF | MHD  | 0.03        | 9.8036e-003 |
| tbIVehicleEF | MHD  | 0.44        | 0.02        |
| tbIVehicleEF | OBUS | 0.01        | 0.04        |
| tbIVehicleEF | OBUS | 8.1680e-003 | 0.02        |
| tbIVehicleEF | OBUS | 0.03        | 4.6636e-003 |
| tbIVehicleEF | OBUS | 0.28        | 1.57        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.52        | 0.69        |
| tblVehicleEF | OBUS | 5.20        | 0.67        |
| tblVehicleEF | OBUS | 110.09      | 186.13      |
| tblVehicleEF | OBUS | 1,307.90    | 1,039.49    |
| tblVehicleEF | OBUS | 66.90       | 3.69        |
| tblVehicleEF | OBUS | 0.51        | 1.49        |
| tblVehicleEF | OBUS | 1.73        | 2.93        |
| tblVehicleEF | OBUS | 2.82        | 0.46        |
| tblVehicleEF | OBUS | 1.1200e-004 | 1.5419e-003 |
| tblVehicleEF | OBUS | 0.13        | 0.04        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 7.6290e-003 | 0.02        |
| tblVehicleEF | OBUS | 7.7800e-004 | 3.7333e-005 |
| tblVehicleEF | OBUS | 1.0700e-004 | 1.4751e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6651e-003 |
| tblVehicleEF | OBUS | 7.2800e-003 | 0.01        |
| tblVehicleEF | OBUS | 7.1600e-004 | 3.4326e-005 |
| tblVehicleEF | OBUS | 1.1690e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.7644e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.18        |
| tblVehicleEF | OBUS | 5.1000e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.07        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.32        | 0.03        |
| tblVehicleEF | OBUS | 1.0620e-003 | 1.7729e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.7959e-003 |
| tblVehicleEF | OBUS | 7.6000e-004 | 3.6464e-005 |
| tblVehicleEF | OBUS | 1.1690e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.7644e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.05        | 0.26        |
| tblVehicleEF | OBUS | 5.1000e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.08        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.36        | 0.03        |
| tblVehicleEF | OBUS | 0.01        | 0.04        |
| tblVehicleEF | OBUS | 8.3570e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 3.9216e-003 |
| tblVehicleEF | OBUS | 0.26        | 1.56        |
| tblVehicleEF | OBUS | 0.53        | 0.71        |
| tblVehicleEF | OBUS | 4.74        | 0.49        |
| tblVehicleEF | OBUS | 115.66      | 189.45      |
| tblVehicleEF | OBUS | 1,307.90    | 1,039.52    |
| tblVehicleEF | OBUS | 66.90       | 3.39        |
| tblVehicleEF | OBUS | 0.52        | 1.51        |
| tblVehicleEF | OBUS | 1.65        | 2.81        |
| tblVehicleEF | OBUS | 2.77        | 0.46        |
| tblVehicleEF | OBUS | 9.4000e-005 | 1.3049e-003 |
| tblVehicleEF | OBUS | 0.13        | 0.04        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 7.6290e-003 | 0.02        |
| tblVehicleEF | OBUS | 7.7800e-004 | 3.7333e-005 |
| tblVehicleEF | OBUS | 9.0000e-005 | 1.2483e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6651e-003 |
| tblVehicleEF | OBUS | 7.2800e-003 | 0.01        |
| tblVehicleEF | OBUS | 7.1600e-004 | 3.4326e-005 |
| tblVehicleEF | OBUS | 2.6050e-003 | 0.03        |
| tblVehicleEF | OBUS | 0.02        | 7.3058e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.18        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 1.0690e-003 | 0.00        |
| tblVehicleEF | OBUS | 0.07        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.30        | 0.02        |
| tblVehicleEF | OBUS | 1.1150e-003 | 1.8043e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.7962e-003 |
| tblVehicleEF | OBUS | 7.5200e-004 | 3.3540e-005 |
| tblVehicleEF | OBUS | 2.6050e-003 | 0.03        |
| tblVehicleEF | OBUS | 0.02        | 7.3058e-003 |
| tblVehicleEF | OBUS | 0.05        | 0.26        |
| tblVehicleEF | OBUS | 1.0690e-003 | 0.00        |
| tblVehicleEF | OBUS | 0.09        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.33        | 0.02        |
| tblVehicleEF | OBUS | 0.01        | 0.04        |
| tblVehicleEF | OBUS | 8.0220e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.03        | 5.3301e-003 |
| tblVehicleEF | OBUS | 0.30        | 1.60        |
| tblVehicleEF | OBUS | 0.52        | 0.68        |
| tblVehicleEF | OBUS | 5.61        | 0.85        |
| tblVehicleEF | OBUS | 102.41      | 181.55      |
| tblVehicleEF | OBUS | 1,307.90    | 1,039.47    |
| tblVehicleEF | OBUS | 66.90       | 3.98        |
| tblVehicleEF | OBUS | 0.48        | 1.45        |
| tblVehicleEF | OBUS | 1.76        | 2.98        |
| tblVehicleEF | OBUS | 2.87        | 0.47        |
| tblVehicleEF | OBUS | 1.3600e-004 | 1.8693e-003 |
| tblVehicleEF | OBUS | 0.13        | 0.04        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 7.6290e-003 | 0.02        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 7.7800e-004 | 3.7333e-005 |
| tblVehicleEF | OBUS | 1.3000e-004 | 1.7883e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6651e-003 |
| tblVehicleEF | OBUS | 7.2800e-003 | 0.01        |
| tblVehicleEF | OBUS | 7.1600e-004 | 3.4326e-005 |
| tblVehicleEF | OBUS | 6.2900e-004 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2776e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.18        |
| tblVehicleEF | OBUS | 2.8900e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.07        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.34        | 0.03        |
| tblVehicleEF | OBUS | 9.8900e-004 | 1.7295e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.7957e-003 |
| tblVehicleEF | OBUS | 7.6700e-004 | 3.9393e-005 |
| tblVehicleEF | OBUS | 6.2900e-004 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2776e-003 |
| tblVehicleEF | OBUS | 0.05        | 0.26        |
| tblVehicleEF | OBUS | 2.8900e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.08        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.37        | 0.03        |
| tblVehicleEF | SBUS | 0.84        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.08        | 4.3356e-003 |
| tblVehicleEF | SBUS | 8.09        | 0.19        |
| tblVehicleEF | SBUS | 1.13        | 0.25        |
| tblVehicleEF | SBUS | 10.09       | 0.45        |
| tblVehicleEF | SBUS | 1,121.96    | 40.26       |

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|--------------|------|-------------|-------------|
| tbIVehicleEF | SBUS | 1,059.05    | 1,087.52    |
| tbIVehicleEF | SBUS | 55.12       | 3.08        |
| tbIVehicleEF | SBUS | 9.12        | 0.05        |
| tbIVehicleEF | SBUS | 4.06        | 0.36        |
| tbIVehicleEF | SBUS | 12.31       | 0.05        |
| tbIVehicleEF | SBUS | 9.2300e-003 | 1.1638e-004 |
| tbIVehicleEF | SBUS | 0.74        | 0.11        |
| tbIVehicleEF | SBUS | 0.01        | 0.03        |
| tbIVehicleEF | SBUS | 0.02        | 6.7133e-003 |
| tbIVehicleEF | SBUS | 8.8200e-004 | 7.7856e-006 |
| tbIVehicleEF | SBUS | 8.8300e-003 | 1.0701e-004 |
| tbIVehicleEF | SBUS | 0.32        | 0.04        |
| tbIVehicleEF | SBUS | 2.6340e-003 | 7.6909e-003 |
| tbIVehicleEF | SBUS | 0.02        | 6.4182e-003 |
| tbIVehicleEF | SBUS | 8.1100e-004 | 7.1586e-006 |
| tbIVehicleEF | SBUS | 3.5670e-003 | 0.02        |
| tbIVehicleEF | SBUS | 0.04        | 5.2295e-003 |
| tbIVehicleEF | SBUS | 0.96        | 2.2104e-003 |
| tbIVehicleEF | SBUS | 1.4850e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.12        | 0.06        |
| tbIVehicleEF | SBUS | 0.02        | 0.01        |
| tbIVehicleEF | SBUS | 0.50        | 0.02        |
| tbIVehicleEF | SBUS | 0.01        | 0.00        |
| tbIVehicleEF | SBUS | 0.01        | 0.01        |
| tbIVehicleEF | SBUS | 7.2500e-004 | 3.0452e-005 |
| tbIVehicleEF | SBUS | 3.5670e-003 | 0.02        |
| tbIVehicleEF | SBUS | 0.04        | 5.2295e-003 |
| tbIVehicleEF | SBUS | 1.39        | 0.16        |
| tbIVehicleEF | SBUS | 1.4850e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.15        | 0.11        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.55        | 0.02        |
| tblVehicleEF | SBUS | 0.84        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.07        | 3.9163e-003 |
| tblVehicleEF | SBUS | 7.98        | 0.19        |
| tblVehicleEF | SBUS | 1.16        | 0.25        |
| tblVehicleEF | SBUS | 7.41        | 0.38        |
| tblVehicleEF | SBUS | 1,172.47    | 40.26       |
| tblVehicleEF | SBUS | 1,059.05    | 1,087.53    |
| tblVehicleEF | SBUS | 55.12       | 2.97        |
| tblVehicleEF | SBUS | 9.41        | 0.05        |
| tblVehicleEF | SBUS | 3.88        | 0.36        |
| tblVehicleEF | SBUS | 12.26       | 0.04        |
| tblVehicleEF | SBUS | 7.7810e-003 | 1.1638e-004 |
| tblVehicleEF | SBUS | 0.74        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.03        |
| tblVehicleEF | SBUS | 0.02        | 6.7133e-003 |
| tblVehicleEF | SBUS | 8.8200e-004 | 7.7856e-006 |
| tblVehicleEF | SBUS | 7.4440e-003 | 1.0701e-004 |
| tblVehicleEF | SBUS | 0.32        | 0.04        |
| tblVehicleEF | SBUS | 2.6340e-003 | 7.6909e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4182e-003 |
| tblVehicleEF | SBUS | 8.1100e-004 | 7.1586e-006 |
| tblVehicleEF | SBUS | 7.9710e-003 | 0.03        |
| tblVehicleEF | SBUS | 0.04        | 5.7119e-003 |
| tblVehicleEF | SBUS | 0.96        | 2.2104e-003 |
| tblVehicleEF | SBUS | 3.1320e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.12        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | SBUS | 0.42        | 0.01        |
| tbIVehicleEF | SBUS | 0.01        | 0.00        |
| tbIVehicleEF | SBUS | 0.01        | 0.01        |
| tbIVehicleEF | SBUS | 6.8000e-004 | 2.9323e-005 |
| tbIVehicleEF | SBUS | 7.9710e-003 | 0.03        |
| tbIVehicleEF | SBUS | 0.04        | 5.7119e-003 |
| tbIVehicleEF | SBUS | 1.39        | 0.16        |
| tbIVehicleEF | SBUS | 3.1320e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.15        | 0.11        |
| tbIVehicleEF | SBUS | 0.02        | 0.01        |
| tbIVehicleEF | SBUS | 0.46        | 0.02        |
| tbIVehicleEF | SBUS | 0.84        | 0.15        |
| tbIVehicleEF | SBUS | 0.02        | 0.04        |
| tbIVehicleEF | SBUS | 0.10        | 4.6986e-003 |
| tbIVehicleEF | SBUS | 8.25        | 0.19        |
| tbIVehicleEF | SBUS | 1.11        | 0.25        |
| tbIVehicleEF | SBUS | 12.78       | 0.52        |
| tbIVehicleEF | SBUS | 1,052.22    | 40.26       |
| tbIVehicleEF | SBUS | 1,059.05    | 1,087.52    |
| tbIVehicleEF | SBUS | 55.12       | 3.19        |
| tbIVehicleEF | SBUS | 8.72        | 0.05        |
| tbIVehicleEF | SBUS | 4.13        | 0.36        |
| tbIVehicleEF | SBUS | 12.36       | 0.05        |
| tbIVehicleEF | SBUS | 0.01        | 1.1638e-004 |
| tbIVehicleEF | SBUS | 0.74        | 0.11        |
| tbIVehicleEF | SBUS | 0.01        | 0.03        |
| tbIVehicleEF | SBUS | 0.02        | 6.7133e-003 |
| tbIVehicleEF | SBUS | 8.8200e-004 | 7.7856e-006 |
| tbIVehicleEF | SBUS | 0.01        | 1.0701e-004 |
| tbIVehicleEF | SBUS | 0.32        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 2.6340e-003 | 7.6909e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4182e-003 |
| tblVehicleEF | SBUS | 8.1100e-004 | 7.1586e-006 |
| tblVehicleEF | SBUS | 1.9250e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.8325e-003 |
| tblVehicleEF | SBUS | 0.97        | 2.2104e-003 |
| tblVehicleEF | SBUS | 8.4800e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.12        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.02        |
| tblVehicleEF | SBUS | 0.01        | 0.00        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 7.7000e-004 | 3.1576e-005 |
| tblVehicleEF | SBUS | 1.9250e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.8325e-003 |
| tblVehicleEF | SBUS | 1.40        | 0.16        |
| tblVehicleEF | SBUS | 8.4800e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.14        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.62        | 0.02        |
| tblVehicleEF | UBUS | 0.27        | 4.25        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 5.18        | 49.04       |
| tblVehicleEF | UBUS | 8.16        | 0.00        |
| tblVehicleEF | UBUS | 2,092.55    | 1,299.04    |
| tblVehicleEF | UBUS | 99.16       | 0.00        |
| tblVehicleEF | UBUS | 10.44       | 0.06        |
| tblVehicleEF | UBUS | 14.91       | 0.00        |
| tblVehicleEF | UBUS | 0.61        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | UBUS | 0.23        | 2.9499e-004 |
| tbIVehicleEF | UBUS | 1.1060e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.26        | 0.04        |
| tbIVehicleEF | UBUS | 3.0000e-003 | 8.1807e-003 |
| tbIVehicleEF | UBUS | 0.22        | 2.8223e-004 |
| tbIVehicleEF | UBUS | 1.0170e-003 | 0.00        |
| tbIVehicleEF | UBUS | 2.3350e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.04        | 0.00        |
| tbIVehicleEF | UBUS | 1.1130e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.66        | 0.06        |
| tbIVehicleEF | UBUS | 8.3620e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.57        | 0.00        |
| tbIVehicleEF | UBUS | 0.02        | 0.00        |
| tbIVehicleEF | UBUS | 1.1370e-003 | 0.00        |
| tbIVehicleEF | UBUS | 2.3350e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.04        | 0.00        |
| tbIVehicleEF | UBUS | 1.1130e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.99        | 4.33        |
| tbIVehicleEF | UBUS | 8.3620e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.63        | 0.00        |
| tbIVehicleEF | UBUS | 0.28        | 4.25        |
| tbIVehicleEF | UBUS | 0.04        | 0.00        |
| tbIVehicleEF | UBUS | 5.24        | 49.04       |
| tbIVehicleEF | UBUS | 6.48        | 0.00        |
| tbIVehicleEF | UBUS | 2,092.55    | 1,299.04    |
| tbIVehicleEF | UBUS | 99.16       | 0.00        |
| tbIVehicleEF | UBUS | 10.01       | 0.06        |
| tbIVehicleEF | UBUS | 14.84       | 0.00        |
| tbIVehicleEF | UBUS | 0.61        | 0.11        |
| tbIVehicleEF | UBUS | 0.01        | 0.03        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | UBUS | 0.23        | 2.9499e-004 |
| tbIVehicleEF | UBUS | 1.1060e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.26        | 0.04        |
| tbIVehicleEF | UBUS | 3.0000e-003 | 8.1807e-003 |
| tbIVehicleEF | UBUS | 0.22        | 2.8223e-004 |
| tbIVehicleEF | UBUS | 1.0170e-003 | 0.00        |
| tbIVehicleEF | UBUS | 5.5790e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.05        | 0.00        |
| tbIVehicleEF | UBUS | 2.6370e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.67        | 0.06        |
| tbIVehicleEF | UBUS | 7.6840e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.50        | 0.00        |
| tbIVehicleEF | UBUS | 0.02        | 0.00        |
| tbIVehicleEF | UBUS | 1.1080e-003 | 0.00        |
| tbIVehicleEF | UBUS | 5.5790e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.05        | 0.00        |
| tbIVehicleEF | UBUS | 2.6370e-003 | 0.00        |
| tbIVehicleEF | UBUS | 1.00        | 4.33        |
| tbIVehicleEF | UBUS | 7.6840e-003 | 0.00        |
| tbIVehicleEF | UBUS | 0.54        | 0.00        |
| tbIVehicleEF | UBUS | 0.27        | 4.25        |
| tbIVehicleEF | UBUS | 0.05        | 0.00        |
| tbIVehicleEF | UBUS | 5.14        | 49.04       |
| tbIVehicleEF | UBUS | 9.75        | 0.00        |
| tbIVehicleEF | UBUS | 2,092.55    | 1,299.04    |
| tbIVehicleEF | UBUS | 99.16       | 0.00        |
| tbIVehicleEF | UBUS | 10.61       | 0.06        |
| tbIVehicleEF | UBUS | 14.96       | 0.00        |
| tbIVehicleEF | UBUS | 0.61        | 0.11        |
| tbIVehicleEF | UBUS | 0.01        | 0.03        |

|                 |         |             |             |
|-----------------|---------|-------------|-------------|
| tblVehicleEF    | UBUS    | 0.23        | 2.9499e-004 |
| tblVehicleEF    | UBUS    | 1.1060e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 0.26        | 0.04        |
| tblVehicleEF    | UBUS    | 3.0000e-003 | 8.1807e-003 |
| tblVehicleEF    | UBUS    | 0.22        | 2.8223e-004 |
| tblVehicleEF    | UBUS    | 1.0170e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 1.2330e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 0.05        | 0.00        |
| tblVehicleEF    | UBUS    | 5.7300e-004 | 0.00        |
| tblVehicleEF    | UBUS    | 0.65        | 0.06        |
| tblVehicleEF    | UBUS    | 0.01        | 0.00        |
| tblVehicleEF    | UBUS    | 0.64        | 0.00        |
| tblVehicleEF    | UBUS    | 0.02        | 0.00        |
| tblVehicleEF    | UBUS    | 1.1640e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 1.2330e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 0.05        | 0.00        |
| tblVehicleEF    | UBUS    | 5.7300e-004 | 0.00        |
| tblVehicleEF    | UBUS    | 0.98        | 4.33        |
| tblVehicleEF    | UBUS    | 0.01        | 0.00        |
| tblVehicleEF    | UBUS    | 0.70        | 0.00        |
| tblVehicleTrips | CC_TTP  | 48.00       | 0.00        |
| tblVehicleTrips | CNW_TTP | 19.00       | 0.00        |
| tblVehicleTrips | CNW_TTP | 0.00        | 100.00      |
| tblVehicleTrips | CNW_TTP | 41.00       | 100.00      |
| tblVehicleTrips | CW_TTP  | 33.00       | 100.00      |
| tblVehicleTrips | CW_TTP  | 59.00       | 0.00        |
| tblVehicleTrips | DV_TP   | 19.00       | 0.00        |
| tblVehicleTrips | DV_TP   | 5.00        | 0.00        |
| tblVehicleTrips | PB_TP   | 4.00        | 0.00        |
| tblVehicleTrips | PB_TP   | 3.00        | 0.00        |

|                 |       |       |        |
|-----------------|-------|-------|--------|
| tblVehicleTrips | PR_TP | 77.00 | 100.00 |
| tblVehicleTrips | PR_TP | 0.00  | 100.00 |
| tblVehicleTrips | PR_TP | 92.00 | 100.00 |
| tblVehicleTrips | ST_TR | 2.46  | 129.30 |
| tblVehicleTrips | ST_TR | 0.00  | 0.72   |
| tblVehicleTrips | ST_TR | 1.68  | 0.61   |
| tblVehicleTrips | SU_TR | 1.05  | 129.30 |
| tblVehicleTrips | SU_TR | 0.00  | 0.72   |
| tblVehicleTrips | SU_TR | 1.68  | 0.61   |
| tblVehicleTrips | WD_TR | 11.03 | 129.30 |
| tblVehicleTrips | WD_TR | 0.00  | 0.72   |
| tblVehicleTrips | WD_TR | 1.68  | 0.61   |

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

|                | ROG            | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2      | NBio-CO2          | Total CO2         | CH4           | N2O           | CO2e              |
|----------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year           | lb/day         |                |                |               |                |               |                |                |               |                | lb/day        |                   |                   |               |               |                   |
| 2021           | 15.7106        | 40.5314        | 22.3771        | 0.0460        | 18.2141        | 2.0454        | 20.2595        | 9.9699         | 1.8817        | 11.8516        | 0.0000        | 4,506.9012        | 4,506.9012        | 1.1952        | 0.0000        | 4,534.0492        |
| 2022           | 1.5452         | 11.1506        | 14.9288        | 0.0239        | 0.1232         | 0.5686        | 0.6919         | 0.0327         | 0.5232        | 0.5558         | 0.0000        | 2,320.1184        | 2,320.1184        | 0.7164        | 0.0000        | 2,338.0280        |
| <b>Maximum</b> | <b>15.7106</b> | <b>40.5314</b> | <b>22.3771</b> | <b>0.0460</b> | <b>18.2141</b> | <b>2.0454</b> | <b>20.2595</b> | <b>9.9699</b>  | <b>1.8817</b> | <b>11.8516</b> | <b>0.0000</b> | <b>4,506.9012</b> | <b>4,506.9012</b> | <b>1.1952</b> | <b>0.0000</b> | <b>4,534.0492</b> |

#### Mitigated Construction

|         | ROG     | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2   | Total CO2  | CH4    | N2O    | CO2e       |
|---------|---------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | lb/day  |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| 2021    | 15.7106 | 40.5314 | 22.3771 | 0.0460 | 7.8635        | 2.0454       | 9.9088     | 4.2827         | 1.8817        | 6.1644      | 0.0000   | 4,506.9012 | 4,506.9012 | 1.1952 | 0.0000 | 4,534.0492 |
| 2022    | 1.5452  | 11.1506 | 14.9288 | 0.0239 | 0.1168        | 0.5686       | 0.6854     | 0.0311         | 0.5232        | 0.5543      | 0.0000   | 2,320.1184 | 2,320.1184 | 0.7164 | 0.0000 | 2,338.0280 |
| Maximum | 15.7106 | 40.5314 | 22.3771 | 0.0460 | 7.8635        | 2.0454       | 9.9088     | 4.2827         | 1.8817        | 6.1644      | 0.0000   | 4,506.9012 | 4,506.9012 | 1.1952 | 0.0000 | 4,534.0492 |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 56.48         | 0.00         | 49.43      | 56.87          | 0.00          | 45.85       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

## 2.2 Overall Operational

### Unmitigated Operational

|          | ROG         | NOx         | CO      | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2   | Total CO2  | CH4         | N2O         | CO2e       |
|----------|-------------|-------------|---------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|------------|------------|-------------|-------------|------------|
| Category | lb/day      |             |         |             |               |              |             |                |               |             | lb/day   |            |            |             |             |            |
| Area     | 0.7447      | 2.5000e-004 | 0.0270  | 0.0000      |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0578     | 0.0578     | 1.5000e-004 |             | 0.0616     |
| Energy   | 3.8100e-003 | 0.0346      | 0.0291  | 2.1000e-004 |               | 2.6300e-003  | 2.6300e-003 |                | 2.6300e-003   | 2.6300e-003 |          | 41.5536    | 41.5536    | 8.0000e-004 | 7.6000e-004 | 41.8005    |
| Mobile   | 1.5738      | 5.3963      | 11.9326 | 0.0342      | 3.7082        | 0.1133       | 3.8215      | 0.9399         | 0.1080        | 1.0479      |          | 3,525.6377 | 3,525.6377 | 0.1034      |             | 3,528.2221 |
| Total    | 2.3224      | 5.4312      | 11.9887 | 0.0344      | 3.7082        | 0.1160       | 3.8242      | 0.9399         | 0.1107        | 1.0506      |          | 3,567.2490 | 3,567.2490 | 0.1043      | 7.6000e-004 | 3,570.0842 |

### Mitigated Operational

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio-CO2          | Total CO2         | CH4           | N2O                | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |                    |                   |
| Area         | 0.7447        | 2.5000e-004   | 0.0270         | 0.0000        |               | 1.0000e-004   | 1.0000e-004   |                | 1.0000e-004   | 1.0000e-004   |          | 0.0578            | 0.0578            | 1.5000e-004   |                    | 0.0616            |
| Energy       | 3.8100e-003   | 0.0346        | 0.0291         | 2.1000e-004   |               | 2.6300e-003   | 2.6300e-003   |                | 2.6300e-003   | 2.6300e-003   |          | 41.5536           | 41.5536           | 8.0000e-004   | 7.6000e-004        | 41.8005           |
| Mobile       | 1.5738        | 5.3963        | 11.9326        | 0.0342        | 3.7082        | 0.1133        | 3.8215        | 0.9399         | 0.1080        | 1.0479        |          | 3,525.6377        | 3,525.6377        | 0.1034        |                    | 3,528.2221        |
| <b>Total</b> | <b>2.3224</b> | <b>5.4312</b> | <b>11.9887</b> | <b>0.0344</b> | <b>3.7082</b> | <b>0.1160</b> | <b>3.8242</b> | <b>0.9399</b>  | <b>0.1107</b> | <b>1.0506</b> |          | <b>3,567.2490</b> | <b>3,567.2490</b> | <b>0.1043</b> | <b>7.6000e-004</b> | <b>3,570.0842</b> |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 9/1/2021   | 9/30/2021  | 5             | 22       |                   |
| 2            | Site Preparation      | Site Preparation      | 10/1/2021  | 10/8/2021  | 5             | 6        |                   |
| 3            | Grading               | Grading               | 10/11/2021 | 11/12/2021 | 5             | 25       |                   |
| 4            | Building Construction | Building Construction | 11/10/2021 | 11/9/2021  | 5             | 0        |                   |
| 5            | Paving                | Paving                | 11/15/2021 | 1/3/2022   | 5             | 36       |                   |
| 6            | Architectural Coating | Architectural Coating | 11/25/2021 | 12/31/2021 | 5             | 27       |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12.5

Acres of Paving: 5.46

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 39,000; Non-Residential Outdoor: 13,000; Striped Parking Area:

**OffRoad Equipment**

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 15.00              | 0.00               | 169.00              | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 111.00             | 43.00              | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

|                       |   |       |      |      |       |      |       |        |         |      |
|-----------------------|---|-------|------|------|-------|------|-------|--------|---------|------|
| Architectural Coating | 1 | 22.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
|-----------------------|---|-------|------|------|-------|------|-------|--------|---------|------|

### 3.1 Mitigation Measures Construction

- Replace Ground Cover
- Water Exposed Area
- Water Unpaved Roads
- Reduce Vehicle Speed on Unpaved Roads
- Clean Paved Roads

### 3.2 Demolition - 2021

#### Unmitigated Construction On-Site

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 1.6652        | 0.0000        | 1.6652        | 0.2521         | 0.0000        | 0.2521        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        |          | 3,747.9449        | 3,747.9449        | 1.0549        |     | 3,774.3174        |
| <b>Total</b>  | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> | <b>1.6652</b> | <b>1.5513</b> | <b>3.2166</b> | <b>0.2521</b>  | <b>1.4411</b> | <b>1.6932</b> |          | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     | <b>3,774.3174</b> |

#### Unmitigated Construction Off-Site

|          | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4    | N2O | CO2e     |
|----------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|--------|-----|----------|
| Category | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |          |           |        |     |          |
| Hauling  | 0.0596 | 2.0146 | 0.4341 | 6.0100e-003 | 0.1343        | 6.3700e-003  | 0.1406     | 0.0368         | 6.0900e-003   | 0.0429      |          | 642.2546 | 642.2546  | 0.0284 |     | 642.9639 |

|              |               |               |               |                    |               |                    |               |               |                    |               |  |                 |                 |               |  |                 |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|---------------|--------------------|---------------|--|-----------------|-----------------|---------------|--|-----------------|
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000        |  | 0.0000          | 0.0000          | 0.0000        |  | 0.0000          |
| Worker       | 0.0483        | 0.0286        | 0.3780        | 1.1700e-003        | 0.1232        | 7.5000e-004        | 0.1240        | 0.0327        | 6.9000e-004        | 0.0334        |  | 116.7016        | 116.7016        | 2.6500e-003   |  | 116.7679        |
| <b>Total</b> | <b>0.1079</b> | <b>2.0432</b> | <b>0.8121</b> | <b>7.1800e-003</b> | <b>0.2575</b> | <b>7.1200e-003</b> | <b>0.2646</b> | <b>0.0695</b> | <b>6.7800e-003</b> | <b>0.0763</b> |  | <b>758.9563</b> | <b>758.9563</b> | <b>0.0310</b> |  | <b>759.7318</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 0.7119        | 0.0000        | 0.7119        | 0.1078         | 0.0000        | 0.1078        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        | 0.0000        | 3,747.9449        | 3,747.9449        | 1.0549        |     | 3,774.3174        |
| <b>Total</b>  | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> | <b>0.7119</b> | <b>1.5513</b> | <b>2.2632</b> | <b>0.1078</b>  | <b>1.4411</b> | <b>1.5489</b> | <b>0.0000</b> | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     | <b>3,774.3174</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0596        | 2.0146        | 0.4341        | 6.0100e-003        | 0.1282        | 6.3700e-003        | 0.1345        | 0.0353         | 6.0900e-003        | 0.0414        |          | 642.2546        | 642.2546        | 0.0284        |     | 642.9639        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.0483        | 0.0286        | 0.3780        | 1.1700e-003        | 0.1168        | 7.5000e-004        | 0.1175        | 0.0311         | 6.9000e-004        | 0.0318        |          | 116.7016        | 116.7016        | 2.6500e-003   |     | 116.7679        |
| <b>Total</b> | <b>0.1079</b> | <b>2.0432</b> | <b>0.8121</b> | <b>7.1800e-003</b> | <b>0.2450</b> | <b>7.1200e-003</b> | <b>0.2521</b> | <b>0.0664</b>  | <b>6.7800e-003</b> | <b>0.0732</b> |          | <b>758.9563</b> | <b>758.9563</b> | <b>0.0310</b> |     | <b>759.7318</b> |

### 3.3 Site Preparation - 2021

#### Unmitigated Construction On-Site

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e |                   |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|------|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                   |                   |               |     |      |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |          |                   | 0.0000            |               |     |      | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         |          | 3,685.6569        | 3,685.6569        | 1.1920        |     |      | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     |      | <b>3,715.4573</b> |

#### Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e |                 |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |      |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     |      | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     |      | 0.0000          |
| Worker       | 0.0580        | 0.0343        | 0.4536        | 1.4100e-003        | 0.1479        | 9.0000e-004        | 0.1488        | 0.0392         | 8.3000e-004        | 0.0401        |          | 140.0420        | 140.0420        | 3.1800e-003        |     |      | 140.1215        |
| <b>Total</b> | <b>0.0580</b> | <b>0.0343</b> | <b>0.4536</b> | <b>1.4100e-003</b> | <b>0.1479</b> | <b>9.0000e-004</b> | <b>0.1488</b> | <b>0.0392</b>  | <b>8.3000e-004</b> | <b>0.0401</b> |          | <b>140.0420</b> | <b>140.0420</b> | <b>3.1800e-003</b> |     |      | <b>140.1215</b> |

#### Mitigated Construction On-Site

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 7.7233        | 0.0000        | 7.7233        | 4.2454         | 0.0000        | 4.2454        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |               | 2.0445        | 2.0445        |                | 1.8809        | 1.8809        | 0.0000        | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>7.7233</b> | <b>2.0445</b> | <b>9.7678</b> | <b>4.2454</b>  | <b>1.8809</b> | <b>6.1263</b> | <b>0.0000</b> | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |

### Mitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0580        | 0.0343        | 0.4536        | 1.4100e-003        | 0.1402        | 9.0000e-004        | 0.1411        | 0.0373         | 8.3000e-004        | 0.0382        |          | 140.0420        | 140.0420        | 3.1800e-003        |     | 140.1215        |
| <b>Total</b> | <b>0.0580</b> | <b>0.0343</b> | <b>0.4536</b> | <b>1.4100e-003</b> | <b>0.1402</b> | <b>9.0000e-004</b> | <b>0.1411</b> | <b>0.0373</b>  | <b>8.3000e-004</b> | <b>0.0382</b> |          | <b>140.0420</b> | <b>140.0420</b> | <b>3.1800e-003</b> |     | <b>140.1215</b> |

### 3.4 Grading - 2021

#### Unmitigated Construction On-Site

|               | ROG    | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e   |
|---------------|--------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|--------|
| Category      | lb/day |     |    |     |               |              |            |                |               |             | lb/day   |          |           |     |     |        |
| Fugitive Dust |        |     |    |     | 6.5523        | 0.0000       | 6.5523     | 3.3675         | 0.0000        | 3.3675      |          |          | 0.0000    |     |     | 0.0000 |

|              |               |                |                |               |               |               |               |               |               |               |  |                   |                   |               |  |                   |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--|-------------------|-------------------|---------------|--|-------------------|
| Off-Road     | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |               | 1.0671        | 1.0671        |  | 2,871.9285        | 2,871.9285        | 0.9288        |  | 2,895.1495        |
| <b>Total</b> | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>6.5523</b> | <b>1.1599</b> | <b>7.7123</b> | <b>3.3675</b> | <b>1.0671</b> | <b>4.4346</b> |  | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |  | <b>2,895.1495</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0483        | 0.0286        | 0.3780        | 1.1700e-003        | 0.1232        | 7.5000e-004        | 0.1240        | 0.0327         | 6.9000e-004        | 0.0334        |          | 116.7016        | 116.7016        | 2.6500e-003        |     | 116.7679        |
| <b>Total</b> | <b>0.0483</b> | <b>0.0286</b> | <b>0.3780</b> | <b>1.1700e-003</b> | <b>0.1232</b> | <b>7.5000e-004</b> | <b>0.1240</b> | <b>0.0327</b>  | <b>6.9000e-004</b> | <b>0.0334</b> |          | <b>116.7016</b> | <b>116.7016</b> | <b>2.6500e-003</b> |     | <b>116.7679</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 2.8011        | 0.0000        | 2.8011        | 1.4396         | 0.0000        | 1.4396        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |                | 1.0671        | 1.0671        | 0.0000        | 2,871.9285        | 2,871.9285        | 0.9288        |     | 2,895.1495        |
| <b>Total</b>  | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>2.8011</b> | <b>1.1599</b> | <b>3.9610</b> | <b>1.4396</b>  | <b>1.0671</b> | <b>2.5067</b> | <b>0.0000</b> | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |     | <b>2,895.1495</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0483        | 0.0286        | 0.3780        | 1.1700e-003        | 0.1168        | 7.5000e-004        | 0.1175        | 0.0311         | 6.9000e-004        | 0.0318        |          | 116.7016        | 116.7016        | 2.6500e-003        |     | 116.7679        |
| <b>Total</b> | <b>0.0483</b> | <b>0.0286</b> | <b>0.3780</b> | <b>1.1700e-003</b> | <b>0.1168</b> | <b>7.5000e-004</b> | <b>0.1175</b> | <b>0.0311</b>  | <b>6.9000e-004</b> | <b>0.0318</b> |          | <b>116.7016</b> | <b>116.7016</b> | <b>2.6500e-003</b> |     | <b>116.7679</b> |

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Unmitigated Construction Off-Site**

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|

| Category     | lb/day        |               |               |               |               |               |               |               |               |               | lb/day        |               |               |               |               |               |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|              | Hauling       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction Off-Site**

|          | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4    | N2O    | CO2e   |
|----------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|--------|--------|--------|
| Category | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |          |           |        |        |        |
| Hauling  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| Vendor   | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

|              |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

### 3.6 Paving - 2021

#### Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.2556        | 12.9191        | 14.6532        | 0.0228        |               | 0.6777        | 0.6777        |                | 0.6235        | 0.6235        |          | 2,207.2109        | 2,207.2109        | 0.7139        |     | 2,225.0573        |
| Paving       | 0.3974        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.6529</b> | <b>12.9191</b> | <b>14.6532</b> | <b>0.0228</b> |               | <b>0.6777</b> | <b>0.6777</b> |                | <b>0.6235</b> | <b>0.6235</b> |          | <b>2,207.2109</b> | <b>2,207.2109</b> | <b>0.7139</b> |     | <b>2,225.0573</b> |

#### Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0483        | 0.0286        | 0.3780        | 1.1700e-003        | 0.1232        | 7.5000e-004        | 0.1240        | 0.0327         | 6.9000e-004        | 0.0334        |          | 116.7016        | 116.7016        | 2.6500e-003        |     | 116.7679        |
| <b>Total</b> | <b>0.0483</b> | <b>0.0286</b> | <b>0.3780</b> | <b>1.1700e-003</b> | <b>0.1232</b> | <b>7.5000e-004</b> | <b>0.1240</b> | <b>0.0327</b>  | <b>6.9000e-004</b> | <b>0.0334</b> |          | <b>116.7016</b> | <b>116.7016</b> | <b>2.6500e-003</b> |     | <b>116.7679</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.2556        | 12.9191        | 14.6532        | 0.0228        |               | 0.6777        | 0.6777        |                | 0.6235        | 0.6235        | 0.0000        | 2,207.2109        | 2,207.2109        | 0.7139        |     | 2,225.0573        |
| Paving       | 0.3974        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.6529</b> | <b>12.9191</b> | <b>14.6532</b> | <b>0.0228</b> |               | <b>0.6777</b> | <b>0.6777</b> |                | <b>0.6235</b> | <b>0.6235</b> | <b>0.0000</b> | <b>2,207.2109</b> | <b>2,207.2109</b> | <b>0.7139</b> |     | <b>2,225.0573</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0483        | 0.0286        | 0.3780        | 1.1700e-003        | 0.1168        | 7.5000e-004        | 0.1175        | 0.0311         | 6.9000e-004        | 0.0318        |          | 116.7016        | 116.7016        | 2.6500e-003        |     | 116.7679        |
| <b>Total</b> | <b>0.0483</b> | <b>0.0286</b> | <b>0.3780</b> | <b>1.1700e-003</b> | <b>0.1168</b> | <b>7.5000e-004</b> | <b>0.1175</b> | <b>0.0311</b>  | <b>6.9000e-004</b> | <b>0.0318</b> |          | <b>116.7016</b> | <b>116.7016</b> | <b>2.6500e-003</b> |     | <b>116.7679</b> |

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|

| Category     | lb/day        |                |                |               |  |               |               |  |               |               | lb/day            |                   |               |  |                   |
|--------------|---------------|----------------|----------------|---------------|--|---------------|---------------|--|---------------|---------------|-------------------|-------------------|---------------|--|-------------------|
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |  | 0.5679        | 0.5679        |  | 0.5225        | 0.5225        | 2,207.6603        | 2,207.6603        | 0.7140        |  | 2,225.5104        |
| Paving       | 0.3974        |                |                |               |  | 0.0000        | 0.0000        |  | 0.0000        | 0.0000        |                   | 0.0000            |               |  | 0.0000            |
| <b>Total</b> | <b>1.5002</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |  | <b>0.5679</b> | <b>0.5679</b> |  | <b>0.5225</b> | <b>0.5225</b> | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |  | <b>2,225.5104</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0450        | 0.0257        | 0.3483        | 1.1300e-003        | 0.1232        | 7.3000e-004        | 0.1240        | 0.0327         | 6.7000e-004        | 0.0334        |          | 112.4581        | 112.4581        | 2.3800e-003        |     | 112.5177        |
| <b>Total</b> | <b>0.0450</b> | <b>0.0257</b> | <b>0.3483</b> | <b>1.1300e-003</b> | <b>0.1232</b> | <b>7.3000e-004</b> | <b>0.1240</b> | <b>0.0327</b>  | <b>6.7000e-004</b> | <b>0.0334</b> |          | <b>112.4581</b> | <b>112.4581</b> | <b>2.3800e-003</b> |     | <b>112.5177</b> |

**Mitigated Construction On-Site**

|          | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2   | Total CO2  | CH4    | N2O | CO2e       |
|----------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |     |            |
| Off-Road | 1.1028 | 11.1249 | 14.5805 | 0.0228 |               | 0.5679       | 0.5679     |                | 0.5225        | 0.5225      | 0.0000   | 2,207.6603 | 2,207.6603 | 0.7140 |     | 2,225.5104 |
| Paving   | 0.3974 |         |         |        |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          |            | 0.0000     |        |     | 0.0000     |

|              |               |                |                |               |  |               |               |  |               |               |               |                   |                   |               |  |                   |
|--------------|---------------|----------------|----------------|---------------|--|---------------|---------------|--|---------------|---------------|---------------|-------------------|-------------------|---------------|--|-------------------|
| <b>Total</b> | <b>1.5002</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |  | <b>0.5679</b> | <b>0.5679</b> |  | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |  | <b>2,225.5104</b> |
|--------------|---------------|----------------|----------------|---------------|--|---------------|---------------|--|---------------|---------------|---------------|-------------------|-------------------|---------------|--|-------------------|

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0450        | 0.0257        | 0.3483        | 1.1300e-003        | 0.1168        | 7.3000e-004        | 0.1175        | 0.0311         | 6.7000e-004        | 0.0318        |          | 112.4581        | 112.4581        | 2.3800e-003        |     | 112.5177        |
| <b>Total</b> | <b>0.0450</b> | <b>0.0257</b> | <b>0.3483</b> | <b>1.1300e-003</b> | <b>0.1168</b> | <b>7.3000e-004</b> | <b>0.1175</b> | <b>0.0311</b>  | <b>6.7000e-004</b> | <b>0.0318</b> |          | <b>112.4581</b> | <b>112.4581</b> | <b>2.3800e-003</b> |     | <b>112.5177</b> |

**3.7 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 13.7196        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2189         | 1.5268        | 1.8176        | 2.9700e-003        |               | 0.0941        | 0.0941        |                | 0.0941        | 0.0941        |          | 281.4481        | 281.4481        | 0.0193        |     | 281.9309        |
| <b>Total</b>    | <b>13.9385</b> | <b>1.5268</b> | <b>1.8176</b> | <b>2.9700e-003</b> |               | <b>0.0941</b> | <b>0.0941</b> |                | <b>0.0941</b> | <b>0.0941</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.9309</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0708        | 0.0420        | 0.5544        | 1.7200e-003        | 0.1807        | 1.1000e-003        | 0.1818        | 0.0479         | 1.0100e-003        | 0.0490        |          | 171.1624        | 171.1624        | 3.8900e-003        |     | 171.2596        |
| <b>Total</b> | <b>0.0708</b> | <b>0.0420</b> | <b>0.5544</b> | <b>1.7200e-003</b> | <b>0.1807</b> | <b>1.1000e-003</b> | <b>0.1818</b> | <b>0.0479</b>  | <b>1.0100e-003</b> | <b>0.0490</b> |          | <b>171.1624</b> | <b>171.1624</b> | <b>3.8900e-003</b> |     | <b>171.2596</b> |

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2        | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 13.7196        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2189         | 1.5268        | 1.8176        | 2.9700e-003        |               | 0.0941        | 0.0941        |                | 0.0941        | 0.0941        | 0.0000        | 281.4481        | 281.4481        | 0.0193        |     | 281.9309        |
| <b>Total</b>    | <b>13.9385</b> | <b>1.5268</b> | <b>1.8176</b> | <b>2.9700e-003</b> |               | <b>0.0941</b> | <b>0.0941</b> |                | <b>0.0941</b> | <b>0.0941</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.9309</b> |

**Mitigated Construction Off-Site**

|          | ROG    | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|--------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
| Category | lb/day |     |    |     |               |              |            |                |               |             | lb/day   |          |           |     |     |      |

|              |               |               |               |                    |               |                    |               |               |                    |               |  |                 |                 |                    |  |                 |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|---------------|--------------------|---------------|--|-----------------|-----------------|--------------------|--|-----------------|
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000        |  | 0.0000          | 0.0000          | 0.0000             |  | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000        |  | 0.0000          | 0.0000          | 0.0000             |  | 0.0000          |
| Worker       | 0.0708        | 0.0420        | 0.5544        | 1.7200e-003        | 0.1713        | 1.1000e-003        | 0.1724        | 0.0456        | 1.0100e-003        | 0.0466        |  | 171.1624        | 171.1624        | 3.8900e-003        |  | 171.2596        |
| <b>Total</b> | <b>0.0708</b> | <b>0.0420</b> | <b>0.5544</b> | <b>1.7200e-003</b> | <b>0.1713</b> | <b>1.1000e-003</b> | <b>0.1724</b> | <b>0.0456</b> | <b>1.0100e-003</b> | <b>0.0466</b> |  | <b>171.1624</b> | <b>171.1624</b> | <b>3.8900e-003</b> |  | <b>171.2596</b> |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2   | Total CO2  | CH4    | N2O | CO2e       |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |            |            |        |     |            |
| Mitigated   | 1.5738 | 5.3963 | 11.9326 | 0.0342 | 3.7082        | 0.1133       | 3.8215     | 0.9399         | 0.1080        | 1.0479      |          | 3,525.6377 | 3,525.6377 | 0.1034 |     | 3,528.2221 |
| Unmitigated | 1.5738 | 5.3963 | 11.9326 | 0.0342 | 3.7082        | 0.1133       | 3.8215     | 0.9399         | 0.1080        | 1.0479      |          | 3,525.6377 | 3,525.6377 | 0.1034 |     | 3,528.2221 |

### 4.2 Trip Summary Information

| Land Use                         | Average Daily Trip Rate |               |               | Unmitigated      | Mitigated        |
|----------------------------------|-------------------------|---------------|---------------|------------------|------------------|
|                                  | Weekday                 | Saturday      | Sunday        | Annual VMT       | Annual VMT       |
| General Office Building          | 387.90                  | 387.90        | 387.90        | 1,341,358        | 1,341,358        |
| Parking Lot                      | 171.36                  | 171.36        | 171.36        | 455,338          | 455,338          |
| Unrefrigerated Warehouse-No Rail | 14.03                   | 14.03         | 14.03         | 37,281           | 37,281           |
| <b>Total</b>                     | <b>573.29</b>           | <b>573.29</b> | <b>573.29</b> | <b>1,833,977</b> | <b>1,833,977</b> |

### 4.3 Trip Type Information

| Land Use                    | Miles      |            |             | Trip %    |            |             | Trip Purpose % |          |         |
|-----------------------------|------------|------------|-------------|-----------|------------|-------------|----------------|----------|---------|
|                             | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C- | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| General Office Building     | 9.50       | 7.30       | 7.30        | 100.00    | 0.00       | 0.00        | 100            | 0        | 0       |
| Parking Lot                 | 9.50       | 7.30       | 7.30        | 0.00      | 0.00       | 100.00      | 100            | 0        | 0       |
| Unrefrigerated Warehouse-No | 9.50       | 7.30       | 7.30        | 0.00      | 0.00       | 100.00      | 100            | 0        | 0       |

#### 4.4 Fleet Mix

| Land Use                            | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|-------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building             | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Parking Lot                         | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Unrefrigerated Warehouse-No<br>Rail | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.131010 | 0.326720 | 0.542270 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

#### 5.0 Energy Detail

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

| Category               | ROG         | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e    |
|------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
|                        | lb/day      |        |        |             |               |              |             |                |               |             | lb/day   |           |           |             |             |         |
| NaturalGas Mitigated   | 3.8100e-003 | 0.0346 | 0.0291 | 2.1000e-004 |               | 2.6300e-003  | 2.6300e-003 |                | 2.6300e-003   | 2.6300e-003 |          | 41.5536   | 41.5536   | 8.0000e-004 | 7.6000e-004 | 41.8005 |
| NaturalGas Unmitigated | 3.8100e-003 | 0.0346 | 0.0291 | 2.1000e-004 |               | 2.6300e-003  | 2.6300e-003 |                | 2.6300e-003   | 2.6300e-003 |          | 41.5536   | 41.5536   | 8.0000e-004 | 7.6000e-004 | 41.8005 |

#### 5.2 Energy by Land Use - NaturalGas

##### Unmitigated

|                                  | Natural Gas Use | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|-----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use                         | kBTU/yr         | lb/day             |               |               |                    |               |                    |                    |                |                    |                    | lb/day   |                |                |                    |                    |                |
| General Office Building          | 134.548         | 1.4500e-003        | 0.0132        | 0.0111        | 8.0000e-005        |               | 1.0000e-003        | 1.0000e-003        |                | 1.0000e-003        | 1.0000e-003        |          | 15.8292        | 15.8292        | 3.0000e-004        | 2.9000e-004        | 15.9232        |
| Parking Lot                      | 0               | 0.0000             | 0.0000        | 0.0000        | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Unrefrigerated Warehouse-No Pail | 218.658         | 2.3600e-003        | 0.0214        | 0.0180        | 1.3000e-004        |               | 1.6300e-003        | 1.6300e-003        |                | 1.6300e-003        | 1.6300e-003        |          | 25.7244        | 25.7244        | 4.9000e-004        | 4.7000e-004        | 25.8773        |
| <b>Total</b>                     |                 | <b>3.8100e-003</b> | <b>0.0346</b> | <b>0.0291</b> | <b>2.1000e-004</b> |               | <b>2.6300e-003</b> | <b>2.6300e-003</b> |                | <b>2.6300e-003</b> | <b>2.6300e-003</b> |          | <b>41.5536</b> | <b>41.5536</b> | <b>7.9000e-004</b> | <b>7.6000e-004</b> | <b>41.8005</b> |

**Mitigated**

|                                  | Natural Gas Use | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|-----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use                         | kBTU/yr         | lb/day             |               |               |                    |               |                    |                    |                |                    |                    | lb/day   |                |                |                    |                    |                |
| General Office Building          | 0.134548        | 1.4500e-003        | 0.0132        | 0.0111        | 8.0000e-005        |               | 1.0000e-003        | 1.0000e-003        |                | 1.0000e-003        | 1.0000e-003        |          | 15.8292        | 15.8292        | 3.0000e-004        | 2.9000e-004        | 15.9232        |
| Parking Lot                      | 0               | 0.0000             | 0.0000        | 0.0000        | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Unrefrigerated Warehouse-No Pail | 0.218658        | 2.3600e-003        | 0.0214        | 0.0180        | 1.3000e-004        |               | 1.6300e-003        | 1.6300e-003        |                | 1.6300e-003        | 1.6300e-003        |          | 25.7244        | 25.7244        | 4.9000e-004        | 4.7000e-004        | 25.8773        |
| <b>Total</b>                     |                 | <b>3.8100e-003</b> | <b>0.0346</b> | <b>0.0291</b> | <b>2.1000e-004</b> |               | <b>2.6300e-003</b> | <b>2.6300e-003</b> |                | <b>2.6300e-003</b> | <b>2.6300e-003</b> |          | <b>41.5536</b> | <b>41.5536</b> | <b>7.9000e-004</b> | <b>7.6000e-004</b> | <b>41.8005</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |          |           |             |     |        |
| Mitigated   | 0.7447 | 2.5000e-004 | 0.0270 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0578   | 0.0578    | 1.5000e-004 |     | 0.0616 |
| Unmitigated | 0.7447 | 2.5000e-004 | 0.0270 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0578   | 0.0578    | 1.5000e-004 |     | 0.0616 |

## 6.2 Area by SubCategory

### Unmitigated

|                       | ROG           | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio-CO2      | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day        |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 0.1015        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 0.6407        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 2.5100e-003   | 2.5000e-004        | 0.0270        | 0.0000        |               | 1.0000e-004        | 1.0000e-004        |                | 1.0000e-004        | 1.0000e-004        |          | 0.0578        | 0.0578        | 1.5000e-004        |     | 0.0616        |
| <b>Total</b>          | <b>0.7447</b> | <b>2.5000e-004</b> | <b>0.0270</b> | <b>0.0000</b> |               | <b>1.0000e-004</b> | <b>1.0000e-004</b> |                | <b>1.0000e-004</b> | <b>1.0000e-004</b> |          | <b>0.0578</b> | <b>0.0578</b> | <b>1.5000e-004</b> |     | <b>0.0616</b> |

### Mitigated

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|

| SubCategory       | lb/day                |                    |               |               |  |                    |                    |        |                    |                    | lb/day |               |               |                    |               |
|-------------------|-----------------------|--------------------|---------------|---------------|--|--------------------|--------------------|--------|--------------------|--------------------|--------|---------------|---------------|--------------------|---------------|
|                   | Architectural Coating | 0.1015             |               |               |  |                    | 0.0000             | 0.0000 |                    | 0.0000             | 0.0000 |               |               | 0.0000             |               |
| Consumer Products | 0.6407                |                    |               |               |  | 0.0000             | 0.0000             |        | 0.0000             | 0.0000             |        |               | 0.0000        |                    | 0.0000        |
| Landscaping       | 2.5100e-003           | 2.5000e-004        | 0.0270        | 0.0000        |  | 1.0000e-004        | 1.0000e-004        |        | 1.0000e-004        | 1.0000e-004        |        | 0.0578        | 0.0578        | 1.5000e-004        | 0.0616        |
| <b>Total</b>      | <b>0.7447</b>         | <b>2.5000e-004</b> | <b>0.0270</b> | <b>0.0000</b> |  | <b>1.0000e-004</b> | <b>1.0000e-004</b> |        | <b>1.0000e-004</b> | <b>1.0000e-004</b> |        | <b>0.0578</b> | <b>0.0578</b> | <b>1.5000e-004</b> | <b>0.0616</b> |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

## 9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

### Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

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1660 Old Bayshore Highway - Santa Clara County, Winter

**1660 Old Bayshore Highway**  
**Santa Clara County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                        | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| General Office Building          | 3.00   | 1000sqft | 0.07        | 3,000.00           | 0          |
| Unrefrigerated Warehouse-No Rail | 23.00  | 1000sqft | 0.53        | 23,000.00          | 0          |
| Parking Lot                      | 238.00 | 1000sqft | 5.46        | 238,000.00         | 0          |

**1.2 Other Project Characteristics**

|                                 |                                |                                 |       |                                  |       |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                          | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 58    |
| <b>Climate Zone</b>             | 4                              |                                 |       | <b>Operational Year</b>          | 2022  |
| <b>Utility Company</b>          | Pacific Gas & Electric Company |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 641.35                         | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use -
- Construction Phase - Per construction questionnaire
- Demolition -
- Grading -
- Vehicle Trips - Per transportation memo
- Construction Off-road Equipment Mitigation - BAAQMD rule compliance

Water Mitigation -

Waste Mitigation -

Fleet Mix - Per transportation analysis

| Table Name             | Column Name                     | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction  | 0             | 6         |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0             | 12        |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed    | 0             | 15        |
| tblConstructionPhase   | NumDays                         | 20.00         | 27.00     |
| tblConstructionPhase   | NumDays                         | 230.00        | 0.00      |
| tblConstructionPhase   | NumDays                         | 20.00         | 22.00     |
| tblConstructionPhase   | NumDays                         | 20.00         | 25.00     |
| tblConstructionPhase   | NumDays                         | 20.00         | 36.00     |
| tblConstructionPhase   | NumDays                         | 10.00         | 6.00      |
| tblFleetMix            | HHD                             | 0.02          | 0.00      |
| tblFleetMix            | HHD                             | 0.02          | 0.00      |
| tblFleetMix            | HHD                             | 0.02          | 0.54      |
| tblFleetMix            | LDA                             | 0.61          | 1.00      |
| tblFleetMix            | LDA                             | 0.61          | 0.00      |
| tblFleetMix            | LDA                             | 0.61          | 0.00      |
| tblFleetMix            | LDT1                            | 0.04          | 0.00      |
| tblFleetMix            | LDT1                            | 0.04          | 0.00      |
| tblFleetMix            | LDT1                            | 0.04          | 0.00      |
| tblFleetMix            | LDT2                            | 0.18          | 0.00      |
| tblFleetMix            | LDT2                            | 0.18          | 0.00      |
| tblFleetMix            | LDT2                            | 0.18          | 0.00      |
| tblFleetMix            | LHD1                            | 0.01          | 0.00      |
| tblFleetMix            | LHD1                            | 0.01          | 1.00      |
| tblFleetMix            | LHD1                            | 0.01          | 0.00      |
| tblFleetMix            | LHD2                            | 5.0070e-003   | 0.00      |
| tblFleetMix            | LHD2                            | 5.0070e-003   | 0.00      |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblFleetMix  | LHD2 | 5.0070e-003 | 0.13        |
| tblFleetMix  | MCY  | 5.3120e-003 | 0.00        |
| tblFleetMix  | MCY  | 5.3120e-003 | 0.00        |
| tblFleetMix  | MCY  | 5.3120e-003 | 0.00        |
| tblFleetMix  | MDV  | 0.11        | 0.00        |
| tblFleetMix  | MDV  | 0.11        | 0.00        |
| tblFleetMix  | MDV  | 0.11        | 0.00        |
| tblFleetMix  | MH   | 7.4000e-004 | 0.00        |
| tblFleetMix  | MH   | 7.4000e-004 | 0.00        |
| tblFleetMix  | MH   | 7.4000e-004 | 0.00        |
| tblFleetMix  | MHD  | 0.01        | 0.00        |
| tblFleetMix  | MHD  | 0.01        | 0.00        |
| tblFleetMix  | MHD  | 0.01        | 0.33        |
| tblFleetMix  | OBUS | 2.1440e-003 | 0.00        |
| tblFleetMix  | OBUS | 2.1440e-003 | 0.00        |
| tblFleetMix  | OBUS | 2.1440e-003 | 0.00        |
| tblFleetMix  | SBUS | 6.2700e-004 | 0.00        |
| tblFleetMix  | SBUS | 6.2700e-004 | 0.00        |
| tblFleetMix  | SBUS | 6.2700e-004 | 0.00        |
| tblFleetMix  | UBUS | 1.5480e-003 | 0.00        |
| tblFleetMix  | UBUS | 1.5480e-003 | 0.00        |
| tblFleetMix  | UBUS | 1.5480e-003 | 0.00        |
| tblVehicleEF | HHD  | 0.47        | 0.19        |
| tblVehicleEF | HHD  | 0.06        | 0.12        |
| tblVehicleEF | HHD  | 0.09        | 9.3059e-008 |
| tblVehicleEF | HHD  | 2.43        | 4.66        |
| tblVehicleEF | HHD  | 0.99        | 0.78        |
| tblVehicleEF | HHD  | 3.63        | 4.0865e-004 |
| tblVehicleEF | HHD  | 4,565.51    | 823.13      |
| tblVehicleEF | HHD  | 1,620.25    | 1,586.46    |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 11.46       | 0.03        |
| tblVehicleEF | HHD | 19.86       | 4.20        |
| tblVehicleEF | HHD | 3.59        | 2.28        |
| tblVehicleEF | HHD | 19.45       | 2.27        |
| tblVehicleEF | HHD | 0.02        | 2.3172e-003 |
| tblVehicleEF | HHD | 0.06        | 0.08        |
| tblVehicleEF | HHD | 0.04        | 0.03        |
| tblVehicleEF | HHD | 0.02        | 0.03        |
| tblVehicleEF | HHD | 1.0200e-004 | 1.0586e-006 |
| tblVehicleEF | HHD | 0.02        | 2.2125e-003 |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 8.8280e-003 | 8.4017e-003 |
| tblVehicleEF | HHD | 0.01        | 0.03        |
| tblVehicleEF | HHD | 9.4000e-005 | 9.7336e-007 |
| tblVehicleEF | HHD | 9.9000e-005 | 3.1450e-004 |
| tblVehicleEF | HHD | 5.3040e-003 | 9.3541e-005 |
| tblVehicleEF | HHD | 0.62        | 0.31        |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.13        | 0.03        |
| tblVehicleEF | HHD | 4.5600e-004 | 8.4266e-004 |
| tblVehicleEF | HHD | 0.10        | 5.0557e-007 |
| tblVehicleEF | HHD | 0.04        | 7.3108e-003 |
| tblVehicleEF | HHD | 0.02        | 0.01        |
| tblVehicleEF | HHD | 1.7500e-004 | 2.8166e-007 |
| tblVehicleEF | HHD | 9.9000e-005 | 3.1450e-004 |
| tblVehicleEF | HHD | 5.3040e-003 | 9.3541e-005 |
| tblVehicleEF | HHD | 0.72        | 0.54        |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.20        | 0.16        |
| tblVehicleEF | HHD | 4.5600e-004 | 8.4266e-004 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.11        | 5.5354e-007 |
| tblVehicleEF | HHD | 0.44        | 8.8359e-003 |
| tblVehicleEF | HHD | 0.06        | 8.5237e-003 |
| tblVehicleEF | HHD | 0.08        | 0.07        |
| tblVehicleEF | HHD | 1.76        | 0.21        |
| tblVehicleEF | HHD | 1.00        | 1.10        |
| tblVehicleEF | HHD | 3.34        | 2.76        |
| tblVehicleEF | HHD | 4,836.52    | 37.30       |
| tblVehicleEF | HHD | 1,620.25    | 369.58      |
| tblVehicleEF | HHD | 11.46       | 68.80       |
| tblVehicleEF | HHD | 20.50       | 0.18        |
| tblVehicleEF | HHD | 3.45        | 0.15        |
| tblVehicleEF | HHD | 19.43       | 0.35        |
| tblVehicleEF | HHD | 0.01        | 9.2515e-005 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1960e-003 |
| tblVehicleEF | HHD | 0.02        | 2.5130e-003 |
| tblVehicleEF | HHD | 1.0200e-004 | 2.1468e-003 |
| tblVehicleEF | HHD | 0.01        | 8.8309e-005 |
| tblVehicleEF | HHD | 0.03        | 3.8131e-003 |
| tblVehicleEF | HHD | 8.8280e-003 | 2.2990e-003 |
| tblVehicleEF | HHD | 0.01        | 2.3553e-003 |
| tblVehicleEF | HHD | 9.4000e-005 | 1.9740e-003 |
| tblVehicleEF | HHD | 2.2500e-004 | 0.43        |
| tblVehicleEF | HHD | 5.7050e-003 | 0.10        |
| tblVehicleEF | HHD | 0.58        | 0.01        |
| tblVehicleEF | HHD | 1.3000e-004 | 0.00        |
| tblVehicleEF | HHD | 0.13        | 0.01        |
| tblVehicleEF | HHD | 4.4300e-004 | 0.25        |
| tblVehicleEF | HHD | 0.09        | 0.30        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.05        | 3.3117e-004 |
| tblVehicleEF | HHD | 0.02        | 3.5955e-003 |
| tblVehicleEF | HHD | 1.7000e-004 | 6.8018e-004 |
| tblVehicleEF | HHD | 2.2500e-004 | 0.43        |
| tblVehicleEF | HHD | 5.7050e-003 | 0.10        |
| tblVehicleEF | HHD | 0.67        | 0.03        |
| tblVehicleEF | HHD | 1.3000e-004 | 0.00        |
| tblVehicleEF | HHD | 0.20        | 0.02        |
| tblVehicleEF | HHD | 4.4300e-004 | 0.25        |
| tblVehicleEF | HHD | 0.10        | 0.33        |
| tblVehicleEF | HHD | 0.51        | 8.7591e-003 |
| tblVehicleEF | HHD | 0.06        | 8.2526e-003 |
| tblVehicleEF | HHD | 0.09        | 0.09        |
| tblVehicleEF | HHD | 3.34        | 0.22        |
| tblVehicleEF | HHD | 0.98        | 0.81        |
| tblVehicleEF | HHD | 3.90        | 4.12        |
| tblVehicleEF | HHD | 4,191.27    | 37.74       |
| tblVehicleEF | HHD | 1,620.25    | 344.41      |
| tblVehicleEF | HHD | 11.46       | 71.33       |
| tblVehicleEF | HHD | 18.98       | 0.20        |
| tblVehicleEF | HHD | 3.65        | 0.16        |
| tblVehicleEF | HHD | 19.47       | 0.40        |
| tblVehicleEF | HHD | 0.02        | 1.2347e-004 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1960e-003 |
| tblVehicleEF | HHD | 0.02        | 2.5130e-003 |
| tblVehicleEF | HHD | 1.0200e-004 | 2.1468e-003 |
| tblVehicleEF | HHD | 0.02        | 1.1793e-004 |
| tblVehicleEF | HHD | 0.03        | 3.8131e-003 |
| tblVehicleEF | HHD | 8.8280e-003 | 2.2990e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.01        | 2.3553e-003 |
| tblVehicleEF | HHD | 9.4000e-005 | 1.9740e-003 |
| tblVehicleEF | HHD | 5.2000e-005 | 0.29        |
| tblVehicleEF | HHD | 5.5350e-003 | 0.09        |
| tblVehicleEF | HHD | 0.67        | 0.01        |
| tblVehicleEF | HHD | 3.2000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.13        | 0.01        |
| tblVehicleEF | HHD | 5.0700e-004 | 0.24        |
| tblVehicleEF | HHD | 0.11        | 0.41        |
| tblVehicleEF | HHD | 0.04        | 3.3532e-004 |
| tblVehicleEF | HHD | 0.02        | 3.3466e-003 |
| tblVehicleEF | HHD | 1.7900e-004 | 7.0521e-004 |
| tblVehicleEF | HHD | 5.2000e-005 | 0.29        |
| tblVehicleEF | HHD | 5.5350e-003 | 0.09        |
| tblVehicleEF | HHD | 0.77        | 0.02        |
| tblVehicleEF | HHD | 3.2000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.20        | 0.02        |
| tblVehicleEF | HHD | 5.0700e-004 | 0.24        |
| tblVehicleEF | HHD | 0.12        | 0.45        |
| tblVehicleEF | LDA | 3.7060e-003 | 2.6232e-003 |
| tblVehicleEF | LDA | 5.4290e-003 | 0.07        |
| tblVehicleEF | LDA | 0.53        | 0.76        |
| tblVehicleEF | LDA | 1.19        | 3.34        |
| tblVehicleEF | LDA | 244.39      | 260.00      |
| tblVehicleEF | LDA | 57.27       | 67.39       |
| tblVehicleEF | LDA | 0.05        | 0.05        |
| tblVehicleEF | LDA | 0.07        | 0.26        |
| tblVehicleEF | LDA | 0.04        | 7.2324e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6570e-003 | 1.2497e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 2.2460e-003 | 2.0725e-003 |
| tblVehicleEF | LDA | 0.02        | 2.5313e-003 |
| tblVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA | 1.5270e-003 | 1.1492e-003 |
| tblVehicleEF | LDA | 2.0650e-003 | 1.9057e-003 |
| tblVehicleEF | LDA | 0.03        | 0.30        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.03        | 0.00        |
| tblVehicleEF | LDA | 9.3290e-003 | 0.01        |
| tblVehicleEF | LDA | 0.04        | 0.23        |
| tblVehicleEF | LDA | 0.07        | 0.35        |
| tblVehicleEF | LDA | 2.4470e-003 | 2.5704e-003 |
| tblVehicleEF | LDA | 5.9300e-004 | 6.6621e-004 |
| tblVehicleEF | LDA | 0.03        | 0.30        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.03        | 0.00        |
| tblVehicleEF | LDA | 0.01        | 0.02        |
| tblVehicleEF | LDA | 0.04        | 0.23        |
| tblVehicleEF | LDA | 0.08        | 0.38        |
| tblVehicleEF | LDA | 4.1270e-003 | 3.3503e-003 |
| tblVehicleEF | LDA | 4.4980e-003 | 0.05        |
| tblVehicleEF | LDA | 0.63        | 0.92        |
| tblVehicleEF | LDA | 0.95        | 2.19        |
| tblVehicleEF | LDA | 263.47      | 167.26      |
| tblVehicleEF | LDA | 57.27       | 45.43       |
| tblVehicleEF | LDA | 0.04        | 0.06        |
| tblVehicleEF | LDA | 0.06        | 0.18        |
| tblVehicleEF | LDA | 0.04        | 6.2696e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6570e-003 | 1.2344e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 2.2460e-003 | 1.6960e-003 |
| tblVehicleEF | LDA | 0.02        | 2.1944e-003 |
| tblVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA | 1.5270e-003 | 1.1455e-003 |
| tblVehicleEF | LDA | 2.0650e-003 | 1.5595e-003 |
| tblVehicleEF | LDA | 0.07        | 0.41        |
| tblVehicleEF | LDA | 0.11        | 0.09        |
| tblVehicleEF | LDA | 0.05        | 0.00        |
| tblVehicleEF | LDA | 0.01        | 0.02        |
| tblVehicleEF | LDA | 0.04        | 0.24        |
| tblVehicleEF | LDA | 0.06        | 0.24        |
| tblVehicleEF | LDA | 2.6390e-003 | 1.6523e-003 |
| tblVehicleEF | LDA | 5.8800e-004 | 4.4913e-004 |
| tblVehicleEF | LDA | 0.07        | 0.41        |
| tblVehicleEF | LDA | 0.11        | 0.09        |
| tblVehicleEF | LDA | 0.05        | 0.00        |
| tblVehicleEF | LDA | 0.02        | 0.02        |
| tblVehicleEF | LDA | 0.04        | 0.24        |
| tblVehicleEF | LDA | 0.07        | 0.27        |
| tblVehicleEF | LDA | 3.6070e-003 | 3.0713e-003 |
| tblVehicleEF | LDA | 6.1520e-003 | 0.06        |
| tblVehicleEF | LDA | 0.52        | 0.68        |
| tblVehicleEF | LDA | 1.40        | 3.33        |
| tblVehicleEF | LDA | 241.25      | 154.43      |
| tblVehicleEF | LDA | 57.27       | 47.54       |
| tblVehicleEF | LDA | 0.05        | 0.07        |
| tblVehicleEF | LDA | 0.08        | 0.22        |
| tblVehicleEF | LDA | 0.04        | 6.2696e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6570e-003 | 1.2344e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDA  | 2.2460e-003 | 1.6960e-003 |
| tblVehicleEF | LDA  | 0.02        | 2.1944e-003 |
| tblVehicleEF | LDA  | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA  | 1.5270e-003 | 1.1455e-003 |
| tblVehicleEF | LDA  | 2.0650e-003 | 1.5595e-003 |
| tblVehicleEF | LDA  | 0.02        | 0.27        |
| tblVehicleEF | LDA  | 0.10        | 0.08        |
| tblVehicleEF | LDA  | 0.01        | 0.00        |
| tblVehicleEF | LDA  | 9.0860e-003 | 0.01        |
| tblVehicleEF | LDA  | 0.05        | 0.24        |
| tblVehicleEF | LDA  | 0.08        | 0.33        |
| tblVehicleEF | LDA  | 2.4150e-003 | 1.5254e-003 |
| tblVehicleEF | LDA  | 5.9600e-004 | 4.7002e-004 |
| tblVehicleEF | LDA  | 0.02        | 0.27        |
| tblVehicleEF | LDA  | 0.10        | 0.08        |
| tblVehicleEF | LDA  | 0.01        | 0.00        |
| tblVehicleEF | LDA  | 0.01        | 0.02        |
| tblVehicleEF | LDA  | 0.05        | 0.24        |
| tblVehicleEF | LDA  | 0.09        | 0.37        |
| tblVehicleEF | LDT1 | 8.8890e-003 | 7.6272e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.12        |
| tblVehicleEF | LDT1 | 1.11        | 1.66        |
| tblVehicleEF | LDT1 | 2.58        | 5.99        |
| tblVehicleEF | LDT1 | 302.92      | 336.46      |
| tblVehicleEF | LDT1 | 70.29       | 88.39       |
| tblVehicleEF | LDT1 | 0.11        | 0.16        |
| tblVehicleEF | LDT1 | 0.14        | 0.42        |
| tblVehicleEF | LDT1 | 0.04        | 9.2179e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.2780e-003 | 2.2119e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 3.0330e-003 | 3.2042e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.2263e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.0980e-003 | 2.0382e-003 |
| tblVehicleEF | LDT1 | 2.7890e-003 | 2.9465e-003 |
| tblVehicleEF | LDT1 | 0.09        | 0.64        |
| tblVehicleEF | LDT1 | 0.22        | 0.18        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.03        |
| tblVehicleEF | LDT1 | 0.16        | 0.52        |
| tblVehicleEF | LDT1 | 0.17        | 0.62        |
| tblVehicleEF | LDT1 | 3.0420e-003 | 3.3236e-003 |
| tblVehicleEF | LDT1 | 7.4800e-004 | 8.7382e-004 |
| tblVehicleEF | LDT1 | 0.09        | 0.64        |
| tblVehicleEF | LDT1 | 0.22        | 0.18        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.05        |
| tblVehicleEF | LDT1 | 0.16        | 0.52        |
| tblVehicleEF | LDT1 | 0.19        | 0.68        |
| tblVehicleEF | LDT1 | 9.7860e-003 | 3.6446e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.08        |
| tblVehicleEF | LDT1 | 1.28        | 1.27        |
| tblVehicleEF | LDT1 | 2.02        | 3.24        |
| tblVehicleEF | LDT1 | 325.58      | 380.67      |
| tblVehicleEF | LDT1 | 70.29       | 90.36       |
| tblVehicleEF | LDT1 | 0.10        | 0.07        |
| tblVehicleEF | LDT1 | 0.13        | 0.34        |
| tblVehicleEF | LDT1 | 0.04        | 8.9226e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.2780e-003 | 1.4350e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 3.0330e-003 | 2.2377e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.0980e-003 | 1.3198e-003 |
| tblVehicleEF | LDT1 | 2.7890e-003 | 2.0575e-003 |
| tblVehicleEF | LDT1 | 0.20        | 0.41        |
| tblVehicleEF | LDT1 | 0.25        | 0.10        |
| tblVehicleEF | LDT1 | 0.14        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.14        | 0.36        |
| tblVehicleEF | LDT1 | 3.2710e-003 | 3.7633e-003 |
| tblVehicleEF | LDT1 | 7.3800e-004 | 8.9335e-004 |
| tblVehicleEF | LDT1 | 0.20        | 0.41        |
| tblVehicleEF | LDT1 | 0.25        | 0.10        |
| tblVehicleEF | LDT1 | 0.14        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.02        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.15        | 0.40        |
| tblVehicleEF | LDT1 | 8.7360e-003 | 3.3147e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.10        |
| tblVehicleEF | LDT1 | 1.10        | 0.92        |
| tblVehicleEF | LDT1 | 3.03        | 4.85        |
| tblVehicleEF | LDT1 | 299.19      | 353.86      |
| tblVehicleEF | LDT1 | 70.29       | 93.36       |
| tblVehicleEF | LDT1 | 0.12        | 0.10        |
| tblVehicleEF | LDT1 | 0.16        | 0.42        |
| tblVehicleEF | LDT1 | 0.04        | 8.9226e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.2780e-003 | 1.4350e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 3.0330e-003 | 2.2377e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.0980e-003 | 1.3198e-003 |
| tblVehicleEF | LDT1 | 2.7890e-003 | 2.0575e-003 |
| tblVehicleEF | LDT1 | 0.04        | 0.29        |
| tblVehicleEF | LDT1 | 0.24        | 0.08        |
| tblVehicleEF | LDT1 | 0.03        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 0.19        | 0.23        |
| tblVehicleEF | LDT1 | 0.19        | 0.50        |
| tblVehicleEF | LDT1 | 3.0040e-003 | 3.4982e-003 |
| tblVehicleEF | LDT1 | 7.5600e-004 | 9.2300e-004 |
| tblVehicleEF | LDT1 | 0.04        | 0.29        |
| tblVehicleEF | LDT1 | 0.24        | 0.08        |
| tblVehicleEF | LDT1 | 0.03        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.02        |
| tblVehicleEF | LDT1 | 0.19        | 0.23        |
| tblVehicleEF | LDT1 | 0.21        | 0.54        |
| tblVehicleEF | LDT2 | 0.00        | 3.4124e-005 |
| tblVehicleEF | LDT2 | 5.4440e-003 | 3.6032e-003 |
| tblVehicleEF | LDT2 | 7.2650e-003 | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 6.0978e-003 |
| tblVehicleEF | LDT2 | 0.73        | 0.94        |
| tblVehicleEF | LDT2 | 1.56        | 3.77        |
| tblVehicleEF | LDT2 | 0.00        | 0.90        |
| tblVehicleEF | LDT2 | 344.90      | 365.79      |
| tblVehicleEF | LDT2 | 80.03       | 84.08       |
| tblVehicleEF | LDT2 | 0.00        | 0.01        |
| tblVehicleEF | LDT2 | 0.08        | 0.16        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.12        | 0.35        |
| tblVehicleEF | LDT2 | 0.00        | 1.9036e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.01        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.1409e-003 |
| tblVehicleEF | LDT2 | 1.6350e-003 | 2.9240e-003 |
| tblVehicleEF | LDT2 | 2.2540e-003 | 2.0448e-003 |
| tblVehicleEF | LDT2 | 0.00        | 1.8212e-004 |
| tblVehicleEF | LDT2 | 0.02        | 3.9624e-003 |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0352e-003 |
| tblVehicleEF | LDT2 | 1.5040e-003 | 2.7466e-003 |
| tblVehicleEF | LDT2 | 2.0730e-003 | 1.8802e-003 |
| tblVehicleEF | LDT2 | 0.04        | 0.28        |
| tblVehicleEF | LDT2 | 0.11        | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 7.3466e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.00        |
| tblVehicleEF | LDT2 | 0.01        | 0.02        |
| tblVehicleEF | LDT2 | 0.07        | 0.21        |
| tblVehicleEF | LDT2 | 0.10        | 0.40        |
| tblVehicleEF | LDT2 | 0.00        | 8.5499e-006 |
| tblVehicleEF | LDT2 | 3.4540e-003 | 3.6069e-003 |
| tblVehicleEF | LDT2 | 8.2700e-004 | 8.3118e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.28        |
| tblVehicleEF | LDT2 | 0.11        | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 8.3662e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.03        |
| tblVehicleEF | LDT2 | 0.07        | 0.21        |
| tblVehicleEF | LDT2 | 0.11        | 0.44        |
| tblVehicleEF | LDT2 | 0.00        | 7.6272e-003 |
| tblVehicleEF | LDT2 | 6.0500e-003 | 9.5717e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 6.0220e-003 | 0.03        |
| tblVehicleEF | LDT2 | 0.00        | 0.24        |
| tblVehicleEF | LDT2 | 0.85        | 1.19        |
| tblVehicleEF | LDT2 | 1.24        | 2.72        |
| tblVehicleEF | LDT2 | 0.00        | 7.79        |
| tblVehicleEF | LDT2 | 371.14      | 803.81      |
| tblVehicleEF | LDT2 | 80.03       | 25.77       |
| tblVehicleEF | LDT2 | 0.00        | 2.4760e-003 |
| tblVehicleEF | LDT2 | 0.07        | 0.17        |
| tblVehicleEF | LDT2 | 0.11        | 0.61        |
| tblVehicleEF | LDT2 | 0.04        | 0.07        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT2 | 1.6350e-003 | 1.8552e-003 |
| tblVehicleEF | LDT2 | 2.2540e-003 | 4.0614e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT2 | 1.5040e-003 | 1.7154e-003 |
| tblVehicleEF | LDT2 | 2.0730e-003 | 3.7343e-004 |
| tblVehicleEF | LDT2 | 0.09        | 0.25        |
| tblVehicleEF | LDT2 | 0.12        | 0.06        |
| tblVehicleEF | LDT2 | 0.00        | 0.03        |
| tblVehicleEF | LDT2 | 0.08        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.05        |
| tblVehicleEF | LDT2 | 0.07        | 0.28        |
| tblVehicleEF | LDT2 | 0.08        | 0.17        |
| tblVehicleEF | LDT2 | 0.00        | 7.7026e-005 |
| tblVehicleEF | LDT2 | 3.7180e-003 | 7.9407e-003 |
| tblVehicleEF | LDT2 | 8.2100e-004 | 2.5473e-004 |
| tblVehicleEF | LDT2 | 0.09        | 0.25        |
| tblVehicleEF | LDT2 | 0.12        | 0.06        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.00        | 0.04        |
| tblVehicleEF | LDT2 | 0.08        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.07        |
| tblVehicleEF | LDT2 | 0.07        | 0.28        |
| tblVehicleEF | LDT2 | 0.09        | 0.18        |
| tblVehicleEF | LDT2 | 0.00        | 7.5668e-003 |
| tblVehicleEF | LDT2 | 5.3000e-003 | 8.9291e-003 |
| tblVehicleEF | LDT2 | 8.2280e-003 | 0.04        |
| tblVehicleEF | LDT2 | 0.00        | 0.24        |
| tblVehicleEF | LDT2 | 0.71        | 1.11        |
| tblVehicleEF | LDT2 | 1.83        | 3.13        |
| tblVehicleEF | LDT2 | 0.00        | 7.79        |
| tblVehicleEF | LDT2 | 340.57      | 802.78      |
| tblVehicleEF | LDT2 | 80.03       | 26.48       |
| tblVehicleEF | LDT2 | 0.00        | 2.4760e-003 |
| tblVehicleEF | LDT2 | 0.08        | 0.21        |
| tblVehicleEF | LDT2 | 0.13        | 0.69        |
| tblVehicleEF | LDT2 | 0.04        | 0.07        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT2 | 1.6350e-003 | 1.8552e-003 |
| tblVehicleEF | LDT2 | 2.2540e-003 | 4.0614e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT2 | 1.5040e-003 | 1.7154e-003 |
| tblVehicleEF | LDT2 | 2.0730e-003 | 3.7343e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.18        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.03        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.01        | 0.05        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.09        | 0.28        |
| tblVehicleEF | LDT2 | 0.11        | 0.19        |
| tblVehicleEF | LDT2 | 0.00        | 7.7026e-005 |
| tblVehicleEF | LDT2 | 3.4110e-003 | 7.9305e-003 |
| tblVehicleEF | LDT2 | 8.3100e-004 | 2.6182e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.18        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.04        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.07        |
| tblVehicleEF | LDT2 | 0.09        | 0.28        |
| tblVehicleEF | LDT2 | 0.12        | 0.20        |
| tblVehicleEF | LHD1 | 5.6090e-003 | 6.7430e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 0.15        | 0.22        |
| tblVehicleEF | LHD1 | 1.10        | 1.15        |
| tblVehicleEF | LHD1 | 2.75        | 2.55        |
| tblVehicleEF | LHD1 | 8.98        | 9.58        |
| tblVehicleEF | LHD1 | 696.09      | 883.93      |
| tblVehicleEF | LHD1 | 33.08       | 21.75       |
| tblVehicleEF | LHD1 | 0.07        | 0.03        |
| tblVehicleEF | LHD1 | 1.21        | 0.49        |
| tblVehicleEF | LHD1 | 1.04        | 0.57        |
| tblVehicleEF | LHD1 | 8.6100e-004 | 3.5889e-004 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.01        | 8.7793e-003 |
| tblVehicleEF | LHD1 | 0.01        | 8.9547e-003 |
| tblVehicleEF | LHD1 | 1.0070e-003 | 3.2449e-004 |
| tblVehicleEF | LHD1 | 8.2400e-004 | 3.4337e-004 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5070e-003 | 2.1948e-003 |
| tblVehicleEF | LHD1 | 0.01        | 8.5129e-003 |
| tblVehicleEF | LHD1 | 9.2600e-004 | 2.9835e-004 |
| tblVehicleEF | LHD1 | 2.7290e-003 | 0.17        |
| tblVehicleEF | LHD1 | 0.11        | 0.04        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 1.3770e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.12        | 0.08        |
| tblVehicleEF | LHD1 | 0.33        | 0.24        |
| tblVehicleEF | LHD1 | 0.28        | 0.15        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.3557e-005 |
| tblVehicleEF | LHD1 | 6.8380e-003 | 8.6767e-003 |
| tblVehicleEF | LHD1 | 3.8300e-004 | 2.1500e-004 |
| tblVehicleEF | LHD1 | 2.7290e-003 | 0.17        |
| tblVehicleEF | LHD1 | 0.11        | 0.04        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.3770e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.15        | 0.10        |
| tblVehicleEF | LHD1 | 0.33        | 0.24        |
| tblVehicleEF | LHD1 | 0.31        | 0.17        |
| tblVehicleEF | LHD1 | 5.6090e-003 | 2.1891e-003 |
| tblVehicleEF | LHD1 | 0.02        | 9.2129e-003 |
| tblVehicleEF | LHD1 | 0.02        | 7.8527e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.11        |
| tblVehicleEF | LHD1 | 1.13        | 0.68        |
| tblVehicleEF | LHD1 | 2.55        | 0.68        |
| tblVehicleEF | LHD1 | 8.98        | 10.41       |
| tblVehicleEF | LHD1 | 696.09      | 714.26      |
| tblVehicleEF | LHD1 | 33.08       | 6.05        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.07        | 0.13        |
| tblVehicleEF | LHD1 | 1.15        | 1.62        |
| tblVehicleEF | LHD1 | 0.97        | 0.15        |
| tblVehicleEF | LHD1 | 8.6100e-004 | 1.7226e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.01        | 0.01        |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |
| tblVehicleEF | LHD1 | 1.0070e-003 | 7.4166e-005 |
| tblVehicleEF | LHD1 | 8.2400e-004 | 1.6481e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5070e-003 | 2.8033e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.03        |
| tblVehicleEF | LHD1 | 9.2600e-004 | 6.8193e-005 |
| tblVehicleEF | LHD1 | 6.1550e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 2.8490e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.17        |
| tblVehicleEF | LHD1 | 0.32        | 0.06        |
| tblVehicleEF | LHD1 | 0.26        | 0.04        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.9507e-005 |
| tblVehicleEF | LHD1 | 6.8380e-003 | 6.8501e-003 |
| tblVehicleEF | LHD1 | 3.7900e-004 | 5.9816e-005 |
| tblVehicleEF | LHD1 | 6.1550e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 2.8490e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.20        |
| tblVehicleEF | LHD1 | 0.32        | 0.06        |
| tblVehicleEF | LHD1 | 0.29        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 5.6090e-003 | 2.1740e-003 |
| tblVehicleEF | LHD1 | 0.02        | 9.1105e-003 |
| tblVehicleEF | LHD1 | 0.02        | 8.6787e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.11        |
| tblVehicleEF | LHD1 | 1.08        | 0.66        |
| tblVehicleEF | LHD1 | 2.95        | 0.79        |
| tblVehicleEF | LHD1 | 8.98        | 10.41       |
| tblVehicleEF | LHD1 | 696.09      | 714.24      |
| tblVehicleEF | LHD1 | 33.08       | 6.23        |
| tblVehicleEF | LHD1 | 0.07        | 0.13        |
| tblVehicleEF | LHD1 | 1.23        | 1.71        |
| tblVehicleEF | LHD1 | 1.10        | 0.17        |
| tblVehicleEF | LHD1 | 8.6100e-004 | 1.7226e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.01        | 0.01        |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |
| tblVehicleEF | LHD1 | 1.0070e-003 | 7.4166e-005 |
| tblVehicleEF | LHD1 | 8.2400e-004 | 1.6481e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5070e-003 | 2.8033e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.03        |
| tblVehicleEF | LHD1 | 9.2600e-004 | 6.8193e-005 |
| tblVehicleEF | LHD1 | 1.3760e-003 | 0.04        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 7.2300e-004 | 0.00        |
| tblVehicleEF | LHD1 | 0.12        | 0.17        |
| tblVehicleEF | LHD1 | 0.36        | 0.06        |
| tblVehicleEF | LHD1 | 0.29        | 0.04        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.9507e-005 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 6.8380e-003 | 6.8499e-003 |
| tblVehicleEF | LHD1 | 3.8600e-004 | 6.1546e-005 |
| tblVehicleEF | LHD1 | 1.3760e-003 | 0.04        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 7.2300e-004 | 0.00        |
| tblVehicleEF | LHD1 | 0.15        | 0.20        |
| tblVehicleEF | LHD1 | 0.36        | 0.06        |
| tblVehicleEF | LHD1 | 0.32        | 0.05        |
| tblVehicleEF | LHD2 | 3.5690e-003 | 3.1695e-003 |
| tblVehicleEF | LHD2 | 8.3070e-003 | 0.11        |
| tblVehicleEF | LHD2 | 7.6510e-003 | 0.13        |
| tblVehicleEF | LHD2 | 0.12        | 0.10        |
| tblVehicleEF | LHD2 | 0.59        | 9.15        |
| tblVehicleEF | LHD2 | 1.25        | 6.10        |
| tblVehicleEF | LHD2 | 14.03       | 3.77        |
| tblVehicleEF | LHD2 | 712.64      | 482.22      |
| tblVehicleEF | LHD2 | 24.58       | 40.90       |
| tblVehicleEF | LHD2 | 0.10        | 1.0257e-003 |
| tblVehicleEF | LHD2 | 0.81        | 0.47        |
| tblVehicleEF | LHD2 | 0.48        | 0.36        |
| tblVehicleEF | LHD2 | 1.2710e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.09        | 0.04        |
| tblVehicleEF | LHD2 | 0.01        | 5.4165e-003 |
| tblVehicleEF | LHD2 | 0.01        | 1.8077e-003 |
| tblVehicleEF | LHD2 | 4.4000e-004 | 2.3860e-003 |
| tblVehicleEF | LHD2 | 1.2160e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.04        | 0.01        |
| tblVehicleEF | LHD2 | 2.6860e-003 | 1.3541e-003 |
| tblVehicleEF | LHD2 | 0.01        | 1.6835e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 4.0400e-004 | 2.2459e-003 |
| tblVehicleEF | LHD2 | 8.9800e-004 | 1.27        |
| tblVehicleEF | LHD2 | 0.03        | 2.15        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.7100e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.76        |
| tblVehicleEF | LHD2 | 0.08        | 2.34        |
| tblVehicleEF | LHD2 | 0.10        | 0.93        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 3.7254e-005 |
| tblVehicleEF | LHD2 | 6.9320e-003 | 4.7672e-003 |
| tblVehicleEF | LHD2 | 2.6800e-004 | 4.0430e-004 |
| tblVehicleEF | LHD2 | 8.9800e-004 | 1.27        |
| tblVehicleEF | LHD2 | 0.03        | 2.15        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 4.7100e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.91        |
| tblVehicleEF | LHD2 | 0.08        | 2.34        |
| tblVehicleEF | LHD2 | 0.11        | 1.02        |
| tblVehicleEF | LHD2 | 3.5690e-003 | 2.0004e-004 |
| tblVehicleEF | LHD2 | 8.4380e-003 | 0.09        |
| tblVehicleEF | LHD2 | 7.2390e-003 | 0.08        |
| tblVehicleEF | LHD2 | 0.12        | 0.04        |
| tblVehicleEF | LHD2 | 0.59        | 6.87        |
| tblVehicleEF | LHD2 | 1.17        | 3.56        |
| tblVehicleEF | LHD2 | 14.03       | 8.43        |
| tblVehicleEF | LHD2 | 712.64      | 485.27      |
| tblVehicleEF | LHD2 | 24.58       | 24.50       |
| tblVehicleEF | LHD2 | 0.10        | 0.08        |
| tblVehicleEF | LHD2 | 0.78        | 1.05        |
| tblVehicleEF | LHD2 | 0.46        | 0.07        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 1.2710e-003 | 1.1105e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 8.0575e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.4000e-004 | 1.9108e-003 |
| tblVehicleEF | LHD2 | 1.2160e-003 | 1.0625e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.02        |
| tblVehicleEF | LHD2 | 2.6860e-003 | 2.0144e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.0400e-004 | 1.8010e-003 |
| tblVehicleEF | LHD2 | 2.0260e-003 | 1.62        |
| tblVehicleEF | LHD2 | 0.04        | 1.90        |
| tblVehicleEF | LHD2 | 0.01        | 4.3068e-003 |
| tblVehicleEF | LHD2 | 9.7700e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.65        |
| tblVehicleEF | LHD2 | 0.08        | 1.91        |
| tblVehicleEF | LHD2 | 0.10        | 0.61        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 7.9905e-005 |
| tblVehicleEF | LHD2 | 6.9320e-003 | 4.6363e-003 |
| tblVehicleEF | LHD2 | 2.6700e-004 | 2.4222e-004 |
| tblVehicleEF | LHD2 | 2.0260e-003 | 1.62        |
| tblVehicleEF | LHD2 | 0.04        | 1.90        |
| tblVehicleEF | LHD2 | 0.02        | 4.9030e-003 |
| tblVehicleEF | LHD2 | 9.7700e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.77        |
| tblVehicleEF | LHD2 | 0.08        | 1.91        |
| tblVehicleEF | LHD2 | 0.11        | 0.66        |
| tblVehicleEF | LHD2 | 3.5690e-003 | 2.0004e-004 |
| tblVehicleEF | LHD2 | 8.2040e-003 | 0.09        |
| tblVehicleEF | LHD2 | 8.0090e-003 | 0.11        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.12        | 0.04        |
| tblVehicleEF | LHD2 | 0.58        | 7.20        |
| tblVehicleEF | LHD2 | 1.34        | 4.71        |
| tblVehicleEF | LHD2 | 14.03       | 8.43        |
| tblVehicleEF | LHD2 | 712.64      | 485.90      |
| tblVehicleEF | LHD2 | 24.58       | 27.15       |
| tblVehicleEF | LHD2 | 0.10        | 0.08        |
| tblVehicleEF | LHD2 | 0.83        | 1.14        |
| tblVehicleEF | LHD2 | 0.51        | 0.08        |
| tblVehicleEF | LHD2 | 1.2710e-003 | 1.1105e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 8.0575e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.4000e-004 | 1.9108e-003 |
| tblVehicleEF | LHD2 | 1.2160e-003 | 1.0625e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.02        |
| tblVehicleEF | LHD2 | 2.6860e-003 | 2.0144e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.0400e-004 | 1.8010e-003 |
| tblVehicleEF | LHD2 | 4.5700e-004 | 0.89        |
| tblVehicleEF | LHD2 | 0.04        | 1.69        |
| tblVehicleEF | LHD2 | 0.01        | 4.3068e-003 |
| tblVehicleEF | LHD2 | 2.4900e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.68        |
| tblVehicleEF | LHD2 | 0.09        | 2.05        |
| tblVehicleEF | LHD2 | 0.11        | 0.85        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 7.9905e-005 |
| tblVehicleEF | LHD2 | 6.9320e-003 | 4.6425e-003 |
| tblVehicleEF | LHD2 | 2.7000e-004 | 2.6836e-004 |
| tblVehicleEF | LHD2 | 4.5700e-004 | 0.89        |

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|--------------|------|-------------|-------------|
| tbIVehicleEF | LHD2 | 0.04        | 1.69        |
| tbIVehicleEF | LHD2 | 0.02        | 4.9030e-003 |
| tbIVehicleEF | LHD2 | 2.4900e-004 | 0.00        |
| tbIVehicleEF | LHD2 | 0.13        | 0.80        |
| tbIVehicleEF | LHD2 | 0.09        | 2.05        |
| tbIVehicleEF | LHD2 | 0.12        | 0.93        |
| tbIVehicleEF | MCY  | 0.44        | 0.06        |
| tbIVehicleEF | MCY  | 0.16        | 0.00        |
| tbIVehicleEF | MCY  | 19.05       | 0.06        |
| tbIVehicleEF | MCY  | 10.16       | 0.00        |
| tbIVehicleEF | MCY  | 169.25      | 0.06        |
| tbIVehicleEF | MCY  | 45.57       | 0.00        |
| tbIVehicleEF | MCY  | 1.15        | 0.06        |
| tbIVehicleEF | MCY  | 0.32        | 0.00        |
| tbIVehicleEF | MCY  | 0.01        | 0.06        |
| tbIVehicleEF | MCY  | 4.0000e-003 | 0.06        |
| tbIVehicleEF | MCY  | 1.9790e-003 | 0.06        |
| tbIVehicleEF | MCY  | 3.9070e-003 | 0.00        |
| tbIVehicleEF | MCY  | 5.0400e-003 | 0.06        |
| tbIVehicleEF | MCY  | 1.0000e-003 | 0.06        |
| tbIVehicleEF | MCY  | 1.8510e-003 | 0.06        |
| tbIVehicleEF | MCY  | 3.6840e-003 | 0.00        |
| tbIVehicleEF | MCY  | 0.91        | 0.00        |
| tbIVehicleEF | MCY  | 0.71        | 0.00        |
| tbIVehicleEF | MCY  | 0.50        | 0.00        |
| tbIVehicleEF | MCY  | 2.22        | 0.06        |
| tbIVehicleEF | MCY  | 0.62        | 0.00        |
| tbIVehicleEF | MCY  | 2.21        | 0.00        |
| tbIVehicleEF | MCY  | 2.0690e-003 | 0.06        |
| tbIVehicleEF | MCY  | 6.8700e-004 | 0.00        |

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|--------------|-----|-------------|-------------|
| tbIVehicleEF | MCY | 0.91        | 0.00        |
| tbIVehicleEF | MCY | 0.71        | 0.00        |
| tbIVehicleEF | MCY | 0.50        | 0.00        |
| tbIVehicleEF | MCY | 2.75        | 0.06        |
| tbIVehicleEF | MCY | 0.62        | 0.00        |
| tbIVehicleEF | MCY | 2.41        | 0.00        |
| tbIVehicleEF | MCY | 0.43        | 0.12        |
| tbIVehicleEF | MCY | 0.14        | 0.10        |
| tbIVehicleEF | MCY | 18.37       | 0.12        |
| tbIVehicleEF | MCY | 8.94        | 3.65        |
| tbIVehicleEF | MCY | 169.25      | 0.12        |
| tbIVehicleEF | MCY | 45.57       | 110.22      |
| tbIVehicleEF | MCY | 1.01        | 0.12        |
| tbIVehicleEF | MCY | 0.29        | 0.46        |
| tbIVehicleEF | MCY | 0.01        | 0.12        |
| tbIVehicleEF | MCY | 4.0000e-003 | 0.12        |
| tbIVehicleEF | MCY | 1.9790e-003 | 0.12        |
| tbIVehicleEF | MCY | 3.9070e-003 | 2.4524e-003 |
| tbIVehicleEF | MCY | 5.0400e-003 | 0.12        |
| tbIVehicleEF | MCY | 1.0000e-003 | 0.12        |
| tbIVehicleEF | MCY | 1.8510e-003 | 0.12        |
| tbIVehicleEF | MCY | 3.6840e-003 | 2.2552e-003 |
| tbIVehicleEF | MCY | 2.34        | 0.50        |
| tbIVehicleEF | MCY | 0.94        | 0.11        |
| tbIVehicleEF | MCY | 1.35        | 0.00        |
| tbIVehicleEF | MCY | 2.14        | 0.12        |
| tbIVehicleEF | MCY | 0.58        | 0.30        |
| tbIVehicleEF | MCY | 1.86        | 0.51        |
| tbIVehicleEF | MCY | 2.0550e-003 | 0.12        |
| tbIVehicleEF | MCY | 6.5600e-004 | 1.0897e-003 |

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|--------------|-----|-------------|-------------|
| tbIVehicleEF | MCY | 2.34        | 0.50        |
| tbIVehicleEF | MCY | 0.94        | 0.11        |
| tbIVehicleEF | MCY | 1.35        | 0.00        |
| tbIVehicleEF | MCY | 2.65        | 0.12        |
| tbIVehicleEF | MCY | 0.58        | 0.30        |
| tbIVehicleEF | MCY | 2.02        | 0.56        |
| tbIVehicleEF | MCY | 0.46        | 0.15        |
| tbIVehicleEF | MCY | 0.19        | 0.13        |
| tbIVehicleEF | MCY | 20.53       | 0.15        |
| tbIVehicleEF | MCY | 11.58       | 5.49        |
| tbIVehicleEF | MCY | 169.25      | 0.15        |
| tbIVehicleEF | MCY | 45.57       | 113.77      |
| tbIVehicleEF | MCY | 1.23        | 0.15        |
| tbIVehicleEF | MCY | 0.34        | 0.56        |
| tbIVehicleEF | MCY | 0.01        | 0.15        |
| tbIVehicleEF | MCY | 4.0000e-003 | 0.15        |
| tbIVehicleEF | MCY | 1.9790e-003 | 0.15        |
| tbIVehicleEF | MCY | 3.9070e-003 | 2.4524e-003 |
| tbIVehicleEF | MCY | 5.0400e-003 | 0.15        |
| tbIVehicleEF | MCY | 1.0000e-003 | 0.15        |
| tbIVehicleEF | MCY | 1.8510e-003 | 0.15        |
| tbIVehicleEF | MCY | 3.6840e-003 | 2.2552e-003 |
| tbIVehicleEF | MCY | 0.39        | 0.36        |
| tbIVehicleEF | MCY | 0.86        | 0.10        |
| tbIVehicleEF | MCY | 0.19        | 0.00        |
| tbIVehicleEF | MCY | 2.31        | 0.15        |
| tbIVehicleEF | MCY | 0.73        | 0.30        |
| tbIVehicleEF | MCY | 2.56        | 0.70        |
| tbIVehicleEF | MCY | 2.0950e-003 | 0.15        |
| tbIVehicleEF | MCY | 7.2100e-004 | 1.1247e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 0.39        | 0.36        |
| tblVehicleEF | MCY | 0.86        | 0.10        |
| tblVehicleEF | MCY | 0.19        | 0.00        |
| tblVehicleEF | MCY | 2.86        | 0.15        |
| tblVehicleEF | MCY | 0.73        | 0.30        |
| tblVehicleEF | MCY | 2.79        | 0.76        |
| tblVehicleEF | MDV | 0.01        | 4.9691e-003 |
| tblVehicleEF | MDV | 0.02        | 0.12        |
| tblVehicleEF | MDV | 1.16        | 1.16        |
| tblVehicleEF | MDV | 2.96        | 4.64        |
| tblVehicleEF | MDV | 459.29      | 431.66      |
| tblVehicleEF | MDV | 104.69      | 111.61      |
| tblVehicleEF | MDV | 0.15        | 0.14        |
| tblVehicleEF | MDV | 0.26        | 0.51        |
| tblVehicleEF | MDV | 0.04        | 9.1312e-003 |
| tblVehicleEF | MDV | 8.0000e-003 | 8.0139e-003 |
| tblVehicleEF | MDV | 1.8300e-003 | 1.6547e-003 |
| tblVehicleEF | MDV | 2.5220e-003 | 2.4459e-003 |
| tblVehicleEF | MDV | 0.02        | 3.1959e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.0035e-003 |
| tblVehicleEF | MDV | 1.6870e-003 | 1.5287e-003 |
| tblVehicleEF | MDV | 2.3200e-003 | 2.2492e-003 |
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.17        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.02        |
| tblVehicleEF | MDV | 0.11        | 0.29        |
| tblVehicleEF | MDV | 0.23        | 0.61        |
| tblVehicleEF | MDV | 4.6000e-003 | 4.2667e-003 |
| tblVehicleEF | MDV | 1.0990e-003 | 1.1034e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.17        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.11        | 0.29        |
| tblVehicleEF | MDV | 0.25        | 0.67        |
| tblVehicleEF | MDV | 0.01        | 3.5409e-003 |
| tblVehicleEF | MDV | 0.01        | 6.9478e-003 |
| tblVehicleEF | MDV | 1.35        | 0.56        |
| tblVehicleEF | MDV | 2.34        | 0.24        |
| tblVehicleEF | MDV | 493.32      | 521.37      |
| tblVehicleEF | MDV | 104.69      | 18.58       |
| tblVehicleEF | MDV | 0.13        | 0.10        |
| tblVehicleEF | MDV | 0.23        | 0.02        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.5577e-003 |
| tblVehicleEF | MDV | 1.8300e-003 | 3.4381e-003 |
| tblVehicleEF | MDV | 2.5220e-003 | 4.7785e-004 |
| tblVehicleEF | MDV | 0.02        | 4.3289e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1394e-003 |
| tblVehicleEF | MDV | 1.6870e-003 | 3.2726e-003 |
| tblVehicleEF | MDV | 2.3200e-003 | 4.3936e-004 |
| tblVehicleEF | MDV | 0.14        | 1.03        |
| tblVehicleEF | MDV | 0.19        | 0.23        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.02        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.19        | 0.03        |
| tblVehicleEF | MDV | 4.9430e-003 | 5.0647e-003 |
| tblVehicleEF | MDV | 1.0880e-003 | 1.8364e-004 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.14        | 1.03        |
| tblVehicleEF | MDV | 0.19        | 0.23        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.20        | 0.03        |
| tblVehicleEF | MDV | 0.01        | 3.3062e-003 |
| tblVehicleEF | MDV | 0.02        | 9.3589e-003 |
| tblVehicleEF | MDV | 1.14        | 0.51        |
| tblVehicleEF | MDV | 3.46        | 0.35        |
| tblVehicleEF | MDV | 453.68      | 518.66      |
| tblVehicleEF | MDV | 104.69      | 18.79       |
| tblVehicleEF | MDV | 0.16        | 0.11        |
| tblVehicleEF | MDV | 0.28        | 0.03        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.5577e-003 |
| tblVehicleEF | MDV | 1.8300e-003 | 3.4381e-003 |
| tblVehicleEF | MDV | 2.5220e-003 | 4.7785e-004 |
| tblVehicleEF | MDV | 0.02        | 4.3289e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1394e-003 |
| tblVehicleEF | MDV | 1.6870e-003 | 3.2726e-003 |
| tblVehicleEF | MDV | 2.3200e-003 | 4.3936e-004 |
| tblVehicleEF | MDV | 0.03        | 0.69        |
| tblVehicleEF | MDV | 0.18        | 0.20        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.02        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.26        | 0.04        |
| tblVehicleEF | MDV | 4.5430e-003 | 5.0379e-003 |
| tblVehicleEF | MDV | 1.1080e-003 | 1.8577e-004 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.03        | 0.69        |
| tblVehicleEF | MDV | 0.18        | 0.20        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.28        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 1.1241e-003 |
| tblVehicleEF | MH  | 0.03        | 3.4119e-003 |
| tblVehicleEF | MH  | 0.03        | 8.3660e-005 |
| tblVehicleEF | MH  | 0.00        | 0.61        |
| tblVehicleEF | MH  | 2.40        | 0.30        |
| tblVehicleEF | MH  | 6.10        | 8.2263e-003 |
| tblVehicleEF | MH  | 0.00        | 194.86      |
| tblVehicleEF | MH  | 1,217.52    | 1,198.74    |
| tblVehicleEF | MH  | 59.35       | 0.07        |
| tblVehicleEF | MH  | 0.00        | 1.28        |
| tblVehicleEF | MH  | 1.39        | 1.67        |
| tblVehicleEF | MH  | 0.86        | 1.48        |
| tblVehicleEF | MH  | 0.00        | 3.7544e-003 |
| tblVehicleEF | MH  | 0.13        | 0.05        |
| tblVehicleEF | MH  | 0.01        | 0.01        |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 1.2090e-003 | 1.0909e-006 |
| tblVehicleEF | MH  | 0.00        | 3.5919e-003 |
| tblVehicleEF | MH  | 0.06        | 0.02        |
| tblVehicleEF | MH  | 3.2170e-003 | 3.0000e-003 |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 1.1120e-003 | 1.0031e-006 |
| tblVehicleEF | MH  | 0.89        | 0.11        |
| tblVehicleEF | MH  | 0.08        | 0.03        |

|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.00        | 0.02        |
| tblVehicleEF | MH | 0.31        | 0.00        |
| tblVehicleEF | MH | 0.11        | 0.05        |
| tblVehicleEF | MH | 0.02        | 7.0148e-004 |
| tblVehicleEF | MH | 0.35        | 3.6663e-004 |
| tblVehicleEF | MH | 0.00        | 1.8452e-003 |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 7.0000e-004 | 6.9092e-007 |
| tblVehicleEF | MH | 0.89        | 0.11        |
| tblVehicleEF | MH | 0.08        | 0.03        |
| tblVehicleEF | MH | 0.00        | 0.03        |
| tblVehicleEF | MH | 0.31        | 0.00        |
| tblVehicleEF | MH | 0.15        | 0.06        |
| tblVehicleEF | MH | 0.02        | 7.0148e-004 |
| tblVehicleEF | MH | 0.38        | 4.0141e-004 |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.04        | 0.02        |
| tblVehicleEF | MH | 0.02        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.52        |
| tblVehicleEF | MH | 2.51        | 2.26        |
| tblVehicleEF | MH | 5.53        | 5.97        |
| tblVehicleEF | MH | 0.00        | 28.41       |
| tblVehicleEF | MH | 1,217.52    | 1,733.30    |
| tblVehicleEF | MH | 59.35       | 47.17       |
| tblVehicleEF | MH | 0.00        | 4.5741e-003 |
| tblVehicleEF | MH | 1.30        | 1.04        |
| tblVehicleEF | MH | 0.80        | 0.43        |
| tblVehicleEF | MH | 0.13        | 0.04        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.02        | 0.01        |

|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 1.2090e-003 | 6.4295e-004 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2170e-003 | 3.1167e-003 |
| tblVehicleEF | MH | 0.02        | 0.01        |
| tblVehicleEF | MH | 1.1120e-003 | 5.9117e-004 |
| tblVehicleEF | MH | 2.02        | 0.23        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.05        |
| tblVehicleEF | MH | 0.65        | 0.00        |
| tblVehicleEF | MH | 0.11        | 0.12        |
| tblVehicleEF | MH | 0.02        | 0.35        |
| tblVehicleEF | MH | 0.32        | 0.27        |
| tblVehicleEF | MH | 0.00        | 2.8087e-004 |
| tblVehicleEF | MH | 0.01        | 0.02        |
| tblVehicleEF | MH | 6.9000e-004 | 4.6630e-004 |
| tblVehicleEF | MH | 2.02        | 0.23        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.07        |
| tblVehicleEF | MH | 0.65        | 0.00        |
| tblVehicleEF | MH | 0.15        | 0.17        |
| tblVehicleEF | MH | 0.02        | 0.35        |
| tblVehicleEF | MH | 0.36        | 0.30        |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 0.03        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.98        |
| tblVehicleEF | MH | 2.33        | 2.13        |
| tblVehicleEF | MH | 6.65        | 6.97        |
| tblVehicleEF | MH | 0.00        | 25.64       |
| tblVehicleEF | MH | 1,217.52    | 1,733.06    |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MH  | 59.35       | 48.87       |
| tblVehicleEF | MH  | 0.00        | 4.1996e-003 |
| tblVehicleEF | MH  | 1.43        | 1.17        |
| tblVehicleEF | MH  | 0.91        | 0.49        |
| tblVehicleEF | MH  | 0.13        | 0.04        |
| tblVehicleEF | MH  | 0.01        | 0.01        |
| tblVehicleEF | MH  | 0.02        | 0.01        |
| tblVehicleEF | MH  | 1.2090e-003 | 6.4295e-004 |
| tblVehicleEF | MH  | 0.06        | 0.02        |
| tblVehicleEF | MH  | 3.2170e-003 | 3.1167e-003 |
| tblVehicleEF | MH  | 0.02        | 0.01        |
| tblVehicleEF | MH  | 1.1120e-003 | 5.9117e-004 |
| tblVehicleEF | MH  | 0.44        | 0.15        |
| tblVehicleEF | MH  | 0.09        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.05        |
| tblVehicleEF | MH  | 0.17        | 0.00        |
| tblVehicleEF | MH  | 0.10        | 0.11        |
| tblVehicleEF | MH  | 0.02        | 0.34        |
| tblVehicleEF | MH  | 0.37        | 0.31        |
| tblVehicleEF | MH  | 0.00        | 2.5344e-004 |
| tblVehicleEF | MH  | 0.01        | 0.02        |
| tblVehicleEF | MH  | 7.0900e-004 | 4.8310e-004 |
| tblVehicleEF | MH  | 0.44        | 0.15        |
| tblVehicleEF | MH  | 0.09        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.08        |
| tblVehicleEF | MH  | 0.17        | 0.00        |
| tblVehicleEF | MH  | 0.14        | 0.16        |
| tblVehicleEF | MH  | 0.02        | 0.34        |
| tblVehicleEF | MH  | 0.40        | 0.34        |
| tblVehicleEF | MHD | 0.02        | 0.04        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tbIVehicleEF | MHD | 5.7650e-003 | 0.03        |
| tbIVehicleEF | MHD | 0.05        | 0.04        |
| tbIVehicleEF | MHD | 0.40        | 0.69        |
| tbIVehicleEF | MHD | 0.42        | 1.48        |
| tbIVehicleEF | MHD | 6.48        | 4.73        |
| tbIVehicleEF | MHD | 137.16      | 58.10       |
| tbIVehicleEF | MHD | 1,201.31    | 1,588.14    |
| tbIVehicleEF | MHD | 61.41       | 35.35       |
| tbIVehicleEF | MHD | 0.54        | 0.16        |
| tbIVehicleEF | MHD | 1.54        | 0.95        |
| tbIVehicleEF | MHD | 10.30       | 0.63        |
| tbIVehicleEF | MHD | 7.6500e-004 | 2.0694e-004 |
| tbIVehicleEF | MHD | 0.13        | 0.05        |
| tbIVehicleEF | MHD | 0.01        | 0.01        |
| tbIVehicleEF | MHD | 6.5420e-003 | 9.7614e-003 |
| tbIVehicleEF | MHD | 9.3800e-004 | 4.4424e-004 |
| tbIVehicleEF | MHD | 7.3200e-004 | 1.9682e-004 |
| tbIVehicleEF | MHD | 0.06        | 0.02        |
| tbIVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tbIVehicleEF | MHD | 6.2530e-003 | 9.3075e-003 |
| tbIVehicleEF | MHD | 8.6200e-004 | 4.0846e-004 |
| tbIVehicleEF | MHD | 9.7300e-004 | 0.13        |
| tbIVehicleEF | MHD | 0.04        | 0.03        |
| tbIVehicleEF | MHD | 0.03        | 0.05        |
| tbIVehicleEF | MHD | 4.9200e-004 | 0.00        |
| tbIVehicleEF | MHD | 0.06        | 0.08        |
| tbIVehicleEF | MHD | 0.02        | 0.23        |
| tbIVehicleEF | MHD | 0.38        | 0.22        |
| tbIVehicleEF | MHD | 1.3210e-003 | 4.7079e-004 |
| tbIVehicleEF | MHD | 0.01        | 0.02        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tbIVehicleEF | MHD | 7.2700e-004 | 3.4947e-004 |
| tbIVehicleEF | MHD | 9.7300e-004 | 0.13        |
| tbIVehicleEF | MHD | 0.04        | 0.03        |
| tbIVehicleEF | MHD | 0.04        | 0.10        |
| tbIVehicleEF | MHD | 4.9200e-004 | 0.00        |
| tbIVehicleEF | MHD | 0.07        | 0.13        |
| tbIVehicleEF | MHD | 0.02        | 0.23        |
| tbIVehicleEF | MHD | 0.42        | 0.24        |
| tbIVehicleEF | MHD | 0.02        | 0.01        |
| tbIVehicleEF | MHD | 5.8860e-003 | 8.5730e-003 |
| tbIVehicleEF | MHD | 0.05        | 2.3174e-003 |
| tbIVehicleEF | MHD | 0.27        | 0.58        |
| tbIVehicleEF | MHD | 0.43        | 0.27        |
| tbIVehicleEF | MHD | 5.95        | 0.25        |
| tbIVehicleEF | MHD | 145.45      | 183.12      |
| tbIVehicleEF | MHD | 1,201.31    | 1,199.68    |
| tbIVehicleEF | MHD | 61.41       | 2.12        |
| tbIVehicleEF | MHD | 0.56        | 1.15        |
| tbIVehicleEF | MHD | 1.48        | 1.57        |
| tbIVehicleEF | MHD | 10.24       | 1.40        |
| tbIVehicleEF | MHD | 6.4500e-004 | 2.8125e-003 |
| tbIVehicleEF | MHD | 0.13        | 0.05        |
| tbIVehicleEF | MHD | 0.01        | 0.01        |
| tbIVehicleEF | MHD | 6.5420e-003 | 0.02        |
| tbIVehicleEF | MHD | 9.3800e-004 | 1.9182e-005 |
| tbIVehicleEF | MHD | 6.1700e-004 | 2.6904e-003 |
| tbIVehicleEF | MHD | 0.06        | 0.02        |
| tbIVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tbIVehicleEF | MHD | 6.2530e-003 | 0.02        |
| tbIVehicleEF | MHD | 8.6200e-004 | 1.7637e-005 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 2.2570e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.4453e-003 |
| tblVehicleEF | MHD | 0.03        | 0.03        |
| tblVehicleEF | MHD | 1.0760e-003 | 0.00        |
| tblVehicleEF | MHD | 0.06        | 0.05        |
| tblVehicleEF | MHD | 0.02        | 9.8020e-003 |
| tblVehicleEF | MHD | 0.36        | 0.01        |
| tblVehicleEF | MHD | 1.3990e-003 | 1.7048e-003 |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 7.1800e-004 | 2.0936e-005 |
| tblVehicleEF | MHD | 2.2570e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.4453e-003 |
| tblVehicleEF | MHD | 0.04        | 0.04        |
| tblVehicleEF | MHD | 1.0760e-003 | 0.00        |
| tblVehicleEF | MHD | 0.07        | 0.07        |
| tblVehicleEF | MHD | 0.02        | 9.8020e-003 |
| tblVehicleEF | MHD | 0.39        | 0.01        |
| tblVehicleEF | MHD | 0.02        | 0.01        |
| tblVehicleEF | MHD | 5.6730e-003 | 8.5281e-003 |
| tblVehicleEF | MHD | 0.05        | 2.5910e-003 |
| tblVehicleEF | MHD | 0.52        | 0.65        |
| tblVehicleEF | MHD | 0.41        | 0.26        |
| tblVehicleEF | MHD | 6.96        | 0.30        |
| tblVehicleEF | MHD | 126.09      | 182.95      |
| tblVehicleEF | MHD | 1,201.31    | 1,199.67    |
| tblVehicleEF | MHD | 61.41       | 2.20        |
| tblVehicleEF | MHD | 0.52        | 1.19        |
| tblVehicleEF | MHD | 1.57        | 1.66        |
| tblVehicleEF | MHD | 10.35       | 1.40        |
| tblVehicleEF | MHD | 9.3100e-004 | 4.0302e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | MHD  | 0.13        | 0.05        |
| tbIVehicleEF | MHD  | 0.01        | 0.01        |
| tbIVehicleEF | MHD  | 6.5420e-003 | 0.02        |
| tbIVehicleEF | MHD  | 9.3800e-004 | 1.9182e-005 |
| tbIVehicleEF | MHD  | 8.9100e-004 | 3.8555e-003 |
| tbIVehicleEF | MHD  | 0.06        | 0.02        |
| tbIVehicleEF | MHD  | 3.0000e-003 | 3.0000e-003 |
| tbIVehicleEF | MHD  | 6.2530e-003 | 0.02        |
| tbIVehicleEF | MHD  | 8.6200e-004 | 1.7637e-005 |
| tbIVehicleEF | MHD  | 4.8000e-004 | 8.2395e-003 |
| tbIVehicleEF | MHD  | 0.05        | 2.1030e-003 |
| tbIVehicleEF | MHD  | 0.03        | 0.03        |
| tbIVehicleEF | MHD  | 2.5000e-004 | 0.00        |
| tbIVehicleEF | MHD  | 0.06        | 0.05        |
| tbIVehicleEF | MHD  | 0.03        | 9.8036e-003 |
| tbIVehicleEF | MHD  | 0.40        | 0.01        |
| tbIVehicleEF | MHD  | 1.2170e-003 | 1.7032e-003 |
| tbIVehicleEF | MHD  | 0.01        | 0.01        |
| tbIVehicleEF | MHD  | 7.3500e-004 | 2.1718e-005 |
| tbIVehicleEF | MHD  | 4.8000e-004 | 8.2395e-003 |
| tbIVehicleEF | MHD  | 0.05        | 2.1030e-003 |
| tbIVehicleEF | MHD  | 0.04        | 0.04        |
| tbIVehicleEF | MHD  | 2.5000e-004 | 0.00        |
| tbIVehicleEF | MHD  | 0.07        | 0.07        |
| tbIVehicleEF | MHD  | 0.03        | 9.8036e-003 |
| tbIVehicleEF | MHD  | 0.44        | 0.02        |
| tbIVehicleEF | OBUS | 0.01        | 0.04        |
| tbIVehicleEF | OBUS | 8.1680e-003 | 0.02        |
| tbIVehicleEF | OBUS | 0.03        | 4.6636e-003 |
| tbIVehicleEF | OBUS | 0.28        | 1.57        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.52        | 0.69        |
| tblVehicleEF | OBUS | 5.20        | 0.67        |
| tblVehicleEF | OBUS | 110.09      | 186.13      |
| tblVehicleEF | OBUS | 1,307.90    | 1,039.49    |
| tblVehicleEF | OBUS | 66.90       | 3.69        |
| tblVehicleEF | OBUS | 0.51        | 1.49        |
| tblVehicleEF | OBUS | 1.73        | 2.93        |
| tblVehicleEF | OBUS | 2.82        | 0.46        |
| tblVehicleEF | OBUS | 1.1200e-004 | 1.5419e-003 |
| tblVehicleEF | OBUS | 0.13        | 0.04        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 7.6290e-003 | 0.02        |
| tblVehicleEF | OBUS | 7.7800e-004 | 3.7333e-005 |
| tblVehicleEF | OBUS | 1.0700e-004 | 1.4751e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6651e-003 |
| tblVehicleEF | OBUS | 7.2800e-003 | 0.01        |
| tblVehicleEF | OBUS | 7.1600e-004 | 3.4326e-005 |
| tblVehicleEF | OBUS | 1.1690e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.7644e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.18        |
| tblVehicleEF | OBUS | 5.1000e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.07        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.32        | 0.03        |
| tblVehicleEF | OBUS | 1.0620e-003 | 1.7729e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.7959e-003 |
| tblVehicleEF | OBUS | 7.6000e-004 | 3.6464e-005 |
| tblVehicleEF | OBUS | 1.1690e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.7644e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.05        | 0.26        |
| tblVehicleEF | OBUS | 5.1000e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.08        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.36        | 0.03        |
| tblVehicleEF | OBUS | 0.01        | 0.04        |
| tblVehicleEF | OBUS | 8.3570e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 3.9216e-003 |
| tblVehicleEF | OBUS | 0.26        | 1.56        |
| tblVehicleEF | OBUS | 0.53        | 0.71        |
| tblVehicleEF | OBUS | 4.74        | 0.49        |
| tblVehicleEF | OBUS | 115.66      | 189.45      |
| tblVehicleEF | OBUS | 1,307.90    | 1,039.52    |
| tblVehicleEF | OBUS | 66.90       | 3.39        |
| tblVehicleEF | OBUS | 0.52        | 1.51        |
| tblVehicleEF | OBUS | 1.65        | 2.81        |
| tblVehicleEF | OBUS | 2.77        | 0.46        |
| tblVehicleEF | OBUS | 9.4000e-005 | 1.3049e-003 |
| tblVehicleEF | OBUS | 0.13        | 0.04        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 7.6290e-003 | 0.02        |
| tblVehicleEF | OBUS | 7.7800e-004 | 3.7333e-005 |
| tblVehicleEF | OBUS | 9.0000e-005 | 1.2483e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6651e-003 |
| tblVehicleEF | OBUS | 7.2800e-003 | 0.01        |
| tblVehicleEF | OBUS | 7.1600e-004 | 3.4326e-005 |
| tblVehicleEF | OBUS | 2.6050e-003 | 0.03        |
| tblVehicleEF | OBUS | 0.02        | 7.3058e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.18        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 1.0690e-003 | 0.00        |
| tblVehicleEF | OBUS | 0.07        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.30        | 0.02        |
| tblVehicleEF | OBUS | 1.1150e-003 | 1.8043e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.7962e-003 |
| tblVehicleEF | OBUS | 7.5200e-004 | 3.3540e-005 |
| tblVehicleEF | OBUS | 2.6050e-003 | 0.03        |
| tblVehicleEF | OBUS | 0.02        | 7.3058e-003 |
| tblVehicleEF | OBUS | 0.05        | 0.26        |
| tblVehicleEF | OBUS | 1.0690e-003 | 0.00        |
| tblVehicleEF | OBUS | 0.09        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.33        | 0.02        |
| tblVehicleEF | OBUS | 0.01        | 0.04        |
| tblVehicleEF | OBUS | 8.0220e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.03        | 5.3301e-003 |
| tblVehicleEF | OBUS | 0.30        | 1.60        |
| tblVehicleEF | OBUS | 0.52        | 0.68        |
| tblVehicleEF | OBUS | 5.61        | 0.85        |
| tblVehicleEF | OBUS | 102.41      | 181.55      |
| tblVehicleEF | OBUS | 1,307.90    | 1,039.47    |
| tblVehicleEF | OBUS | 66.90       | 3.98        |
| tblVehicleEF | OBUS | 0.48        | 1.45        |
| tblVehicleEF | OBUS | 1.76        | 2.98        |
| tblVehicleEF | OBUS | 2.87        | 0.47        |
| tblVehicleEF | OBUS | 1.3600e-004 | 1.8693e-003 |
| tblVehicleEF | OBUS | 0.13        | 0.04        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 7.6290e-003 | 0.02        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 7.7800e-004 | 3.7333e-005 |
| tblVehicleEF | OBUS | 1.3000e-004 | 1.7883e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6651e-003 |
| tblVehicleEF | OBUS | 7.2800e-003 | 0.01        |
| tblVehicleEF | OBUS | 7.1600e-004 | 3.4326e-005 |
| tblVehicleEF | OBUS | 6.2900e-004 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2776e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.18        |
| tblVehicleEF | OBUS | 2.8900e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.07        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.34        | 0.03        |
| tblVehicleEF | OBUS | 9.8900e-004 | 1.7295e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.7957e-003 |
| tblVehicleEF | OBUS | 7.6700e-004 | 3.9393e-005 |
| tblVehicleEF | OBUS | 6.2900e-004 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2776e-003 |
| tblVehicleEF | OBUS | 0.05        | 0.26        |
| tblVehicleEF | OBUS | 2.8900e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.08        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.37        | 0.03        |
| tblVehicleEF | SBUS | 0.84        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.08        | 4.3356e-003 |
| tblVehicleEF | SBUS | 8.09        | 0.19        |
| tblVehicleEF | SBUS | 1.13        | 0.25        |
| tblVehicleEF | SBUS | 10.09       | 0.45        |
| tblVehicleEF | SBUS | 1,121.96    | 40.26       |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | SBUS | 1,059.05    | 1,087.52    |
| tbIVehicleEF | SBUS | 55.12       | 3.08        |
| tbIVehicleEF | SBUS | 9.12        | 0.05        |
| tbIVehicleEF | SBUS | 4.06        | 0.36        |
| tbIVehicleEF | SBUS | 12.31       | 0.05        |
| tbIVehicleEF | SBUS | 9.2300e-003 | 1.1638e-004 |
| tbIVehicleEF | SBUS | 0.74        | 0.11        |
| tbIVehicleEF | SBUS | 0.01        | 0.03        |
| tbIVehicleEF | SBUS | 0.02        | 6.7133e-003 |
| tbIVehicleEF | SBUS | 8.8200e-004 | 7.7856e-006 |
| tbIVehicleEF | SBUS | 8.8300e-003 | 1.0701e-004 |
| tbIVehicleEF | SBUS | 0.32        | 0.04        |
| tbIVehicleEF | SBUS | 2.6340e-003 | 7.6909e-003 |
| tbIVehicleEF | SBUS | 0.02        | 6.4182e-003 |
| tbIVehicleEF | SBUS | 8.1100e-004 | 7.1586e-006 |
| tbIVehicleEF | SBUS | 3.5670e-003 | 0.02        |
| tbIVehicleEF | SBUS | 0.04        | 5.2295e-003 |
| tbIVehicleEF | SBUS | 0.96        | 2.2104e-003 |
| tbIVehicleEF | SBUS | 1.4850e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.12        | 0.06        |
| tbIVehicleEF | SBUS | 0.02        | 0.01        |
| tbIVehicleEF | SBUS | 0.50        | 0.02        |
| tbIVehicleEF | SBUS | 0.01        | 0.00        |
| tbIVehicleEF | SBUS | 0.01        | 0.01        |
| tbIVehicleEF | SBUS | 7.2500e-004 | 3.0452e-005 |
| tbIVehicleEF | SBUS | 3.5670e-003 | 0.02        |
| tbIVehicleEF | SBUS | 0.04        | 5.2295e-003 |
| tbIVehicleEF | SBUS | 1.39        | 0.16        |
| tbIVehicleEF | SBUS | 1.4850e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.15        | 0.11        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.55        | 0.02        |
| tblVehicleEF | SBUS | 0.84        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.07        | 3.9163e-003 |
| tblVehicleEF | SBUS | 7.98        | 0.19        |
| tblVehicleEF | SBUS | 1.16        | 0.25        |
| tblVehicleEF | SBUS | 7.41        | 0.38        |
| tblVehicleEF | SBUS | 1,172.47    | 40.26       |
| tblVehicleEF | SBUS | 1,059.05    | 1,087.53    |
| tblVehicleEF | SBUS | 55.12       | 2.97        |
| tblVehicleEF | SBUS | 9.41        | 0.05        |
| tblVehicleEF | SBUS | 3.88        | 0.36        |
| tblVehicleEF | SBUS | 12.26       | 0.04        |
| tblVehicleEF | SBUS | 7.7810e-003 | 1.1638e-004 |
| tblVehicleEF | SBUS | 0.74        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.03        |
| tblVehicleEF | SBUS | 0.02        | 6.7133e-003 |
| tblVehicleEF | SBUS | 8.8200e-004 | 7.7856e-006 |
| tblVehicleEF | SBUS | 7.4440e-003 | 1.0701e-004 |
| tblVehicleEF | SBUS | 0.32        | 0.04        |
| tblVehicleEF | SBUS | 2.6340e-003 | 7.6909e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4182e-003 |
| tblVehicleEF | SBUS | 8.1100e-004 | 7.1586e-006 |
| tblVehicleEF | SBUS | 7.9710e-003 | 0.03        |
| tblVehicleEF | SBUS | 0.04        | 5.7119e-003 |
| tblVehicleEF | SBUS | 0.96        | 2.2104e-003 |
| tblVehicleEF | SBUS | 3.1320e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.12        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | SBUS | 0.42        | 0.01        |
| tbIVehicleEF | SBUS | 0.01        | 0.00        |
| tbIVehicleEF | SBUS | 0.01        | 0.01        |
| tbIVehicleEF | SBUS | 6.8000e-004 | 2.9323e-005 |
| tbIVehicleEF | SBUS | 7.9710e-003 | 0.03        |
| tbIVehicleEF | SBUS | 0.04        | 5.7119e-003 |
| tbIVehicleEF | SBUS | 1.39        | 0.16        |
| tbIVehicleEF | SBUS | 3.1320e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.15        | 0.11        |
| tbIVehicleEF | SBUS | 0.02        | 0.01        |
| tbIVehicleEF | SBUS | 0.46        | 0.02        |
| tbIVehicleEF | SBUS | 0.84        | 0.15        |
| tbIVehicleEF | SBUS | 0.02        | 0.04        |
| tbIVehicleEF | SBUS | 0.10        | 4.6986e-003 |
| tbIVehicleEF | SBUS | 8.25        | 0.19        |
| tbIVehicleEF | SBUS | 1.11        | 0.25        |
| tbIVehicleEF | SBUS | 12.78       | 0.52        |
| tbIVehicleEF | SBUS | 1,052.22    | 40.26       |
| tbIVehicleEF | SBUS | 1,059.05    | 1,087.52    |
| tbIVehicleEF | SBUS | 55.12       | 3.19        |
| tbIVehicleEF | SBUS | 8.72        | 0.05        |
| tbIVehicleEF | SBUS | 4.13        | 0.36        |
| tbIVehicleEF | SBUS | 12.36       | 0.05        |
| tbIVehicleEF | SBUS | 0.01        | 1.1638e-004 |
| tbIVehicleEF | SBUS | 0.74        | 0.11        |
| tbIVehicleEF | SBUS | 0.01        | 0.03        |
| tbIVehicleEF | SBUS | 0.02        | 6.7133e-003 |
| tbIVehicleEF | SBUS | 8.8200e-004 | 7.7856e-006 |
| tbIVehicleEF | SBUS | 0.01        | 1.0701e-004 |
| tbIVehicleEF | SBUS | 0.32        | 0.04        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 2.6340e-003 | 7.6909e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4182e-003 |
| tblVehicleEF | SBUS | 8.1100e-004 | 7.1586e-006 |
| tblVehicleEF | SBUS | 1.9250e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.8325e-003 |
| tblVehicleEF | SBUS | 0.97        | 2.2104e-003 |
| tblVehicleEF | SBUS | 8.4800e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.12        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.02        |
| tblVehicleEF | SBUS | 0.01        | 0.00        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 7.7000e-004 | 3.1576e-005 |
| tblVehicleEF | SBUS | 1.9250e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.8325e-003 |
| tblVehicleEF | SBUS | 1.40        | 0.16        |
| tblVehicleEF | SBUS | 8.4800e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.14        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.62        | 0.02        |
| tblVehicleEF | UBUS | 0.27        | 4.25        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 5.18        | 49.04       |
| tblVehicleEF | UBUS | 8.16        | 0.00        |
| tblVehicleEF | UBUS | 2,092.55    | 1,299.04    |
| tblVehicleEF | UBUS | 99.16       | 0.00        |
| tblVehicleEF | UBUS | 10.44       | 0.06        |
| tblVehicleEF | UBUS | 14.91       | 0.00        |
| tblVehicleEF | UBUS | 0.61        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 0.23        | 2.9499e-004 |
| tblVehicleEF | UBUS | 1.1060e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.26        | 0.04        |
| tblVehicleEF | UBUS | 3.0000e-003 | 8.1807e-003 |
| tblVehicleEF | UBUS | 0.22        | 2.8223e-004 |
| tblVehicleEF | UBUS | 1.0170e-003 | 0.00        |
| tblVehicleEF | UBUS | 2.3350e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 1.1130e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.66        | 0.06        |
| tblVehicleEF | UBUS | 8.3620e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.57        | 0.00        |
| tblVehicleEF | UBUS | 0.02        | 0.00        |
| tblVehicleEF | UBUS | 1.1370e-003 | 0.00        |
| tblVehicleEF | UBUS | 2.3350e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 1.1130e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.99        | 4.33        |
| tblVehicleEF | UBUS | 8.3620e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.63        | 0.00        |
| tblVehicleEF | UBUS | 0.28        | 4.25        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 5.24        | 49.04       |
| tblVehicleEF | UBUS | 6.48        | 0.00        |
| tblVehicleEF | UBUS | 2,092.55    | 1,299.04    |
| tblVehicleEF | UBUS | 99.16       | 0.00        |
| tblVehicleEF | UBUS | 10.01       | 0.06        |
| tblVehicleEF | UBUS | 14.84       | 0.00        |
| tblVehicleEF | UBUS | 0.61        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 0.23        | 2.9499e-004 |
| tblVehicleEF | UBUS | 1.1060e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.26        | 0.04        |
| tblVehicleEF | UBUS | 3.0000e-003 | 8.1807e-003 |
| tblVehicleEF | UBUS | 0.22        | 2.8223e-004 |
| tblVehicleEF | UBUS | 1.0170e-003 | 0.00        |
| tblVehicleEF | UBUS | 5.5790e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 2.6370e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.67        | 0.06        |
| tblVehicleEF | UBUS | 7.6840e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.50        | 0.00        |
| tblVehicleEF | UBUS | 0.02        | 0.00        |
| tblVehicleEF | UBUS | 1.1080e-003 | 0.00        |
| tblVehicleEF | UBUS | 5.5790e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 2.6370e-003 | 0.00        |
| tblVehicleEF | UBUS | 1.00        | 4.33        |
| tblVehicleEF | UBUS | 7.6840e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.54        | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 4.25        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 5.14        | 49.04       |
| tblVehicleEF | UBUS | 9.75        | 0.00        |
| tblVehicleEF | UBUS | 2,092.55    | 1,299.04    |
| tblVehicleEF | UBUS | 99.16       | 0.00        |
| tblVehicleEF | UBUS | 10.61       | 0.06        |
| tblVehicleEF | UBUS | 14.96       | 0.00        |
| tblVehicleEF | UBUS | 0.61        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |

|                 |         |             |             |
|-----------------|---------|-------------|-------------|
| tblVehicleEF    | UBUS    | 0.23        | 2.9499e-004 |
| tblVehicleEF    | UBUS    | 1.1060e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 0.26        | 0.04        |
| tblVehicleEF    | UBUS    | 3.0000e-003 | 8.1807e-003 |
| tblVehicleEF    | UBUS    | 0.22        | 2.8223e-004 |
| tblVehicleEF    | UBUS    | 1.0170e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 1.2330e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 0.05        | 0.00        |
| tblVehicleEF    | UBUS    | 5.7300e-004 | 0.00        |
| tblVehicleEF    | UBUS    | 0.65        | 0.06        |
| tblVehicleEF    | UBUS    | 0.01        | 0.00        |
| tblVehicleEF    | UBUS    | 0.64        | 0.00        |
| tblVehicleEF    | UBUS    | 0.02        | 0.00        |
| tblVehicleEF    | UBUS    | 1.1640e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 1.2330e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 0.05        | 0.00        |
| tblVehicleEF    | UBUS    | 5.7300e-004 | 0.00        |
| tblVehicleEF    | UBUS    | 0.98        | 4.33        |
| tblVehicleEF    | UBUS    | 0.01        | 0.00        |
| tblVehicleEF    | UBUS    | 0.70        | 0.00        |
| tblVehicleTrips | CC_TTP  | 48.00       | 0.00        |
| tblVehicleTrips | CNW_TTP | 19.00       | 0.00        |
| tblVehicleTrips | CNW_TTP | 0.00        | 100.00      |
| tblVehicleTrips | CNW_TTP | 41.00       | 100.00      |
| tblVehicleTrips | CW_TTP  | 33.00       | 100.00      |
| tblVehicleTrips | CW_TTP  | 59.00       | 0.00        |
| tblVehicleTrips | DV_TP   | 19.00       | 0.00        |
| tblVehicleTrips | DV_TP   | 5.00        | 0.00        |
| tblVehicleTrips | PB_TP   | 4.00        | 0.00        |
| tblVehicleTrips | PB_TP   | 3.00        | 0.00        |

|                 |       |       |        |
|-----------------|-------|-------|--------|
| tblVehicleTrips | PR_TP | 77.00 | 100.00 |
| tblVehicleTrips | PR_TP | 0.00  | 100.00 |
| tblVehicleTrips | PR_TP | 92.00 | 100.00 |
| tblVehicleTrips | ST_TR | 2.46  | 129.30 |
| tblVehicleTrips | ST_TR | 0.00  | 0.72   |
| tblVehicleTrips | ST_TR | 1.68  | 0.61   |
| tblVehicleTrips | SU_TR | 1.05  | 129.30 |
| tblVehicleTrips | SU_TR | 0.00  | 0.72   |
| tblVehicleTrips | SU_TR | 1.68  | 0.61   |
| tblVehicleTrips | WD_TR | 11.03 | 129.30 |
| tblVehicleTrips | WD_TR | 0.00  | 0.72   |
| tblVehicleTrips | WD_TR | 1.68  | 0.61   |

## 2.0 Emissions Summary

### 2.1 Overall Construction (Maximum Daily Emission)

#### Unmitigated Construction

|                | ROG            | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2      | NBio-CO2          | Total CO2         | CH4           | N2O           | CO2e              |
|----------------|----------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|---------------|-------------------|-------------------|---------------|---------------|-------------------|
| Year           | lb/day         |                |                |               |                |               |                |                |               |                | lb/day        |                   |                   |               |               |                   |
| 2021           | 15.7184        | 40.5390        | 22.3801        | 0.0458        | 18.2141        | 2.0454        | 20.2595        | 9.9699         | 1.8817        | 11.8516        | 0.0000        | 4,486.4512        | 4,486.4512        | 1.1950        | 0.0000        | 4,513.6268        |
| 2022           | 1.5483         | 11.1562        | 14.9008        | 0.0238        | 0.1232         | 0.5686        | 0.6919         | 0.0327         | 0.5232        | 0.5558         | 0.0000        | 2,310.9818        | 2,310.9818        | 0.7162        | 0.0000        | 2,328.8870        |
| <b>Maximum</b> | <b>15.7184</b> | <b>40.5390</b> | <b>22.3801</b> | <b>0.0458</b> | <b>18.2141</b> | <b>2.0454</b> | <b>20.2595</b> | <b>9.9699</b>  | <b>1.8817</b> | <b>11.8516</b> | <b>0.0000</b> | <b>4,486.4512</b> | <b>4,486.4512</b> | <b>1.1950</b> | <b>0.0000</b> | <b>4,513.6268</b> |

#### Mitigated Construction

|         | ROG     | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2   | Total CO2  | CH4    | N2O    | CO2e       |
|---------|---------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|--------|------------|
| Year    | lb/day  |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| 2021    | 15.7184 | 40.5390 | 22.3801 | 0.0458 | 7.8635        | 2.0454       | 9.9088     | 4.2827         | 1.8817        | 6.1644      | 0.0000   | 4,486.4512 | 4,486.4512 | 1.1950 | 0.0000 | 4,513.6268 |
| 2022    | 1.5483  | 11.1562 | 14.9008 | 0.0238 | 0.1168        | 0.5686       | 0.6854     | 0.0311         | 0.5232        | 0.5543      | 0.0000   | 2,310.9818 | 2,310.9818 | 0.7162 | 0.0000 | 2,328.8870 |
| Maximum | 15.7184 | 40.5390 | 22.3801 | 0.0458 | 7.8635        | 2.0454       | 9.9088     | 4.2827         | 1.8817        | 6.1644      | 0.0000   | 4,486.4512 | 4,486.4512 | 1.1950 | 0.0000 | 4,513.6268 |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 56.48         | 0.00         | 49.43      | 56.87          | 0.00          | 45.85       | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

## 2.2 Overall Operational

### Unmitigated Operational

|          | ROG         | NOx         | CO      | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2   | Total CO2  | CH4         | N2O         | CO2e       |
|----------|-------------|-------------|---------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|------------|------------|-------------|-------------|------------|
| Category | lb/day      |             |         |             |               |              |             |                |               |             | lb/day   |            |            |             |             |            |
| Area     | 0.7447      | 2.5000e-004 | 0.0270  | 0.0000      |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0578     | 0.0578     | 1.5000e-004 |             | 0.0616     |
| Energy   | 3.8100e-003 | 0.0346      | 0.0291  | 2.1000e-004 |               | 2.6300e-003  | 2.6300e-003 |                | 2.6300e-003   | 2.6300e-003 |          | 41.5536    | 41.5536    | 8.0000e-004 | 7.6000e-004 | 41.8005    |
| Mobile   | 1.5079      | 5.8323      | 10.9619 | 0.0332      | 3.7082        | 0.1133       | 3.8215      | 0.9399         | 0.1080        | 1.0479      |          | 3,420.1529 | 3,420.1529 | 0.1155      |             | 3,423.0408 |
| Total    | 2.2564      | 5.8672      | 11.0180 | 0.0334      | 3.7082        | 0.1160       | 3.8243      | 0.9399         | 0.1108        | 1.0506      |          | 3,461.7642 | 3,461.7642 | 0.1165      | 7.6000e-004 | 3,464.9029 |

### Mitigated Operational

|              | ROG           | NOx           | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio-CO2          | Total CO2         | CH4           | N2O                | CO2e              |
|--------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category     | lb/day        |               |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |                    |                   |
| Area         | 0.7447        | 2.5000e-004   | 0.0270         | 0.0000        |               | 1.0000e-004   | 1.0000e-004   |                | 1.0000e-004   | 1.0000e-004   |          | 0.0578            | 0.0578            | 1.5000e-004   |                    | 0.0616            |
| Energy       | 3.8100e-003   | 0.0346        | 0.0291         | 2.1000e-004   |               | 2.6300e-003   | 2.6300e-003   |                | 2.6300e-003   | 2.6300e-003   |          | 41.5536           | 41.5536           | 8.0000e-004   | 7.6000e-004        | 41.8005           |
| Mobile       | 1.5079        | 5.8323        | 10.9619        | 0.0332        | 3.7082        | 0.1133        | 3.8215        | 0.9399         | 0.1080        | 1.0479        |          | 3,420.1529        | 3,420.1529        | 0.1155        |                    | 3,423.0408        |
| <b>Total</b> | <b>2.2564</b> | <b>5.8672</b> | <b>11.0180</b> | <b>0.0334</b> | <b>3.7082</b> | <b>0.1160</b> | <b>3.8243</b> | <b>0.9399</b>  | <b>0.1108</b> | <b>1.0506</b> |          | <b>3,461.7642</b> | <b>3,461.7642</b> | <b>0.1165</b> | <b>7.6000e-004</b> | <b>3,464.9029</b> |

|                   | ROG  | NOx  | CO   | SO2  | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4  | N2O  | CO2e |
|-------------------|------|------|------|------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|------|------|------|
| Percent Reduction | 0.00 | 0.00 | 0.00 | 0.00 | 0.00          | 0.00         | 0.00       | 0.00           | 0.00          | 0.00        | 0.00     | 0.00     | 0.00      | 0.00 | 0.00 | 0.00 |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 9/1/2021   | 9/30/2021  | 5             | 22       |                   |
| 2            | Site Preparation      | Site Preparation      | 10/1/2021  | 10/8/2021  | 5             | 6        |                   |
| 3            | Grading               | Grading               | 10/11/2021 | 11/12/2021 | 5             | 25       |                   |
| 4            | Building Construction | Building Construction | 11/10/2021 | 11/9/2021  | 5             | 0        |                   |
| 5            | Paving                | Paving                | 11/15/2021 | 1/3/2022   | 5             | 36       |                   |
| 6            | Architectural Coating | Architectural Coating | 11/25/2021 | 12/31/2021 | 5             | 27       |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 12.5

Acres of Paving: 5.46

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 39,000; Non-Residential Outdoor: 13,000; Striped Parking Area:

**OffRoad Equipment**

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 15.00              | 0.00               | 169.00              | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 111.00             | 43.00              | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

|                       |   |       |      |      |       |      |       |        |         |      |
|-----------------------|---|-------|------|------|-------|------|-------|--------|---------|------|
| Architectural Coating | 1 | 22.00 | 0.00 | 0.00 | 10.80 | 7.30 | 20.00 | LD_Mix | HDT_Mix | HHDT |
|-----------------------|---|-------|------|------|-------|------|-------|--------|---------|------|

### 3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 2021

#### Unmitigated Construction On-Site

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 1.6652        | 0.0000        | 1.6652        | 0.2521         | 0.0000        | 0.2521        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        |          | 3,747.9449        | 3,747.9449        | 1.0549        |     | 3,774.3174        |
| <b>Total</b>  | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> | <b>1.6652</b> | <b>1.5513</b> | <b>3.2166</b> | <b>0.2521</b>  | <b>1.4411</b> | <b>1.6932</b> |          | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     | <b>3,774.3174</b> |

#### Unmitigated Construction Off-Site

|          | ROG    | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4    | N2O | CO2e     |
|----------|--------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|--------|-----|----------|
| Category | lb/day |        |        |             |               |              |            |                |               |             | lb/day   |          |           |        |     |          |
| Hauling  | 0.0612 | 2.0613 | 0.4661 | 5.9100e-003 | 0.1343        | 6.4700e-003  | 0.1407     | 0.0368         | 6.1900e-003   | 0.0430      |          | 631.2910 | 631.2910  | 0.0297 |     | 632.0327 |

|              |               |               |               |                    |               |                    |               |               |                    |               |  |                 |                 |               |  |                 |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|---------------|--------------------|---------------|--|-----------------|-----------------|---------------|--|-----------------|
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000        |  | 0.0000          | 0.0000          | 0.0000        |  | 0.0000          |
| Worker       | 0.0515        | 0.0350        | 0.3490        | 1.0800e-003        | 0.1232        | 7.5000e-004        | 0.1240        | 0.0327        | 6.9000e-004        | 0.0334        |  | 107.2152        | 107.2152        | 2.4600e-003   |  | 107.2768        |
| <b>Total</b> | <b>0.1127</b> | <b>2.0963</b> | <b>0.8150</b> | <b>6.9900e-003</b> | <b>0.2575</b> | <b>7.2200e-003</b> | <b>0.2647</b> | <b>0.0695</b> | <b>6.8800e-003</b> | <b>0.0764</b> |  | <b>738.5062</b> | <b>738.5062</b> | <b>0.0321</b> |  | <b>739.3094</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e |                   |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|------|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |      |                   |
| Fugitive Dust |               |                |                |               | 0.7119        | 0.0000        | 0.7119        | 0.1078         | 0.0000        | 0.1078        |               |                   | 0.0000            |               |     |      | 0.0000            |
| Off-Road      | 3.1651        | 31.4407        | 21.5650        | 0.0388        |               | 1.5513        | 1.5513        |                | 1.4411        | 1.4411        | 0.0000        | 3,747.9449        | 3,747.9449        | 1.0549        |     |      | 3,774.3174        |
| <b>Total</b>  | <b>3.1651</b> | <b>31.4407</b> | <b>21.5650</b> | <b>0.0388</b> | <b>0.7119</b> | <b>1.5513</b> | <b>2.2632</b> | <b>0.1078</b>  | <b>1.4411</b> | <b>1.5489</b> | <b>0.0000</b> | <b>3,747.9449</b> | <b>3,747.9449</b> | <b>1.0549</b> |     |      | <b>3,774.3174</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e |                 |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |      |                 |
| Hauling      | 0.0612        | 2.0613        | 0.4661        | 5.9100e-003        | 0.1282        | 6.4700e-003        | 0.1347        | 0.0353         | 6.1900e-003        | 0.0415        |          | 631.2910        | 631.2910        | 0.0297        |     |      | 632.0327        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     |      | 0.0000          |
| Worker       | 0.0515        | 0.0350        | 0.3490        | 1.0800e-003        | 0.1168        | 7.5000e-004        | 0.1175        | 0.0311         | 6.9000e-004        | 0.0318        |          | 107.2152        | 107.2152        | 2.4600e-003   |     |      | 107.2768        |
| <b>Total</b> | <b>0.1127</b> | <b>2.0963</b> | <b>0.8150</b> | <b>6.9900e-003</b> | <b>0.2450</b> | <b>7.2200e-003</b> | <b>0.2522</b> | <b>0.0664</b>  | <b>6.8800e-003</b> | <b>0.0733</b> |          | <b>738.5062</b> | <b>738.5062</b> | <b>0.0321</b> |     |      | <b>739.3094</b> |

### 3.3 Site Preparation - 2021

#### Unmitigated Construction On-Site

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10  | Exhaust PM10  | PM10 Total     | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total    | Bio- CO2 | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e |                   |
|---------------|---------------|----------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|----------------|----------|-------------------|-------------------|---------------|-----|------|-------------------|
| Category      | lb/day        |                |                |               |                |               |                |                |               |                | lb/day   |                   |                   |               |     |      |                   |
| Fugitive Dust |               |                |                |               | 18.0663        | 0.0000        | 18.0663        | 9.9307         | 0.0000        | 9.9307         |          |                   | 0.0000            |               |     |      | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |                | 2.0445        | 2.0445         |                | 1.8809        | 1.8809         |          | 3,685.6569        | 3,685.6569        | 1.1920        |     |      | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>18.0663</b> | <b>2.0445</b> | <b>20.1107</b> | <b>9.9307</b>  | <b>1.8809</b> | <b>11.8116</b> |          | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     |      | <b>3,715.4573</b> |

#### Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e |                 |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|------|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |      |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     |      | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     |      | 0.0000          |
| Worker       | 0.0618        | 0.0419        | 0.4188        | 1.2900e-003        | 0.1479        | 9.0000e-004        | 0.1488        | 0.0392         | 8.3000e-004        | 0.0401        |          | 128.6583        | 128.6583        | 2.9500e-003        |     |      | 128.7321        |
| <b>Total</b> | <b>0.0618</b> | <b>0.0419</b> | <b>0.4188</b> | <b>1.2900e-003</b> | <b>0.1479</b> | <b>9.0000e-004</b> | <b>0.1488</b> | <b>0.0392</b>  | <b>8.3000e-004</b> | <b>0.0401</b> |          | <b>128.6583</b> | <b>128.6583</b> | <b>2.9500e-003</b> |     |      | <b>128.7321</b> |

#### Mitigated Construction On-Site

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 7.7233        | 0.0000        | 7.7233        | 4.2454         | 0.0000        | 4.2454        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.8882        | 40.4971        | 21.1543        | 0.0380        |               | 2.0445        | 2.0445        |                | 1.8809        | 1.8809        | 0.0000        | 3,685.6569        | 3,685.6569        | 1.1920        |     | 3,715.4573        |
| <b>Total</b>  | <b>3.8882</b> | <b>40.4971</b> | <b>21.1543</b> | <b>0.0380</b> | <b>7.7233</b> | <b>2.0445</b> | <b>9.7678</b> | <b>4.2454</b>  | <b>1.8809</b> | <b>6.1263</b> | <b>0.0000</b> | <b>3,685.6569</b> | <b>3,685.6569</b> | <b>1.1920</b> |     | <b>3,715.4573</b> |

### Mitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0618        | 0.0419        | 0.4188        | 1.2900e-003        | 0.1402        | 9.0000e-004        | 0.1411        | 0.0373         | 8.3000e-004        | 0.0382        |          | 128.6583        | 128.6583        | 2.9500e-003        |     | 128.7321        |
| <b>Total</b> | <b>0.0618</b> | <b>0.0419</b> | <b>0.4188</b> | <b>1.2900e-003</b> | <b>0.1402</b> | <b>9.0000e-004</b> | <b>0.1411</b> | <b>0.0373</b>  | <b>8.3000e-004</b> | <b>0.0382</b> |          | <b>128.6583</b> | <b>128.6583</b> | <b>2.9500e-003</b> |     | <b>128.7321</b> |

### 3.4 Grading - 2021

#### Unmitigated Construction On-Site

|               | ROG    | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e   |
|---------------|--------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|--------|
| Category      | lb/day |     |    |     |               |              |            |                |               |             | lb/day   |          |           |     |     |        |
| Fugitive Dust |        |     |    |     | 6.5523        | 0.0000       | 6.5523     | 3.3675         | 0.0000        | 3.3675      |          |          | 0.0000    |     |     | 0.0000 |

|              |               |                |                |               |               |               |               |               |               |               |  |                   |                   |               |  |                   |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--|-------------------|-------------------|---------------|--|-------------------|
| Off-Road     | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |               | 1.0671        | 1.0671        |  | 2,871.9285        | 2,871.9285        | 0.9288        |  | 2,895.1495        |
| <b>Total</b> | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>6.5523</b> | <b>1.1599</b> | <b>7.7123</b> | <b>3.3675</b> | <b>1.0671</b> | <b>4.4346</b> |  | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |  | <b>2,895.1495</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0515        | 0.0350        | 0.3490        | 1.0800e-003        | 0.1232        | 7.5000e-004        | 0.1240        | 0.0327         | 6.9000e-004        | 0.0334        |          | 107.2152        | 107.2152        | 2.4600e-003        |     | 107.2768        |
| <b>Total</b> | <b>0.0515</b> | <b>0.0350</b> | <b>0.3490</b> | <b>1.0800e-003</b> | <b>0.1232</b> | <b>7.5000e-004</b> | <b>0.1240</b> | <b>0.0327</b>  | <b>6.9000e-004</b> | <b>0.0334</b> |          | <b>107.2152</b> | <b>107.2152</b> | <b>2.4600e-003</b> |     | <b>107.2768</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |                |                |               | 2.8011        | 0.0000        | 2.8011        | 1.4396         | 0.0000        | 1.4396        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 2.2903        | 24.7367        | 15.8575        | 0.0296        |               | 1.1599        | 1.1599        |                | 1.0671        | 1.0671        | 0.0000        | 2,871.9285        | 2,871.9285        | 0.9288        |     | 2,895.1495        |
| <b>Total</b>  | <b>2.2903</b> | <b>24.7367</b> | <b>15.8575</b> | <b>0.0296</b> | <b>2.8011</b> | <b>1.1599</b> | <b>3.9610</b> | <b>1.4396</b>  | <b>1.0671</b> | <b>2.5067</b> | <b>0.0000</b> | <b>2,871.9285</b> | <b>2,871.9285</b> | <b>0.9288</b> |     | <b>2,895.1495</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0515        | 0.0350        | 0.3490        | 1.0800e-003        | 0.1168        | 7.5000e-004        | 0.1175        | 0.0311         | 6.9000e-004        | 0.0318        |          | 107.2152        | 107.2152        | 2.4600e-003        |     | 107.2768        |
| <b>Total</b> | <b>0.0515</b> | <b>0.0350</b> | <b>0.3490</b> | <b>1.0800e-003</b> | <b>0.1168</b> | <b>7.5000e-004</b> | <b>0.1175</b> | <b>0.0311</b>  | <b>6.9000e-004</b> | <b>0.0318</b> |          | <b>107.2152</b> | <b>107.2152</b> | <b>2.4600e-003</b> |     | <b>107.2768</b> |

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Unmitigated Construction Off-Site**

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|

| Category     | lb/day        |               |               |               |               |               |               |               |               |               | lb/day        |               |               |               |               |               |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|              | Hauling       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction Off-Site**

|          | ROG    | NOx    | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4    | N2O    | CO2e   |
|----------|--------|--------|--------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|--------|--------|--------|
| Category | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |          |           |        |        |        |
| Hauling  | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |
| Vendor   | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000        | 0.0000       | 0.0000     | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000   | 0.0000    | 0.0000 | 0.0000 | 0.0000 |

|              |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

### 3.6 Paving - 2021

#### Unmitigated Construction On-Site

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 1.2556        | 12.9191        | 14.6532        | 0.0228        |               | 0.6777        | 0.6777        |                | 0.6235        | 0.6235        |          | 2,207.2109        | 2,207.2109        | 0.7139        |     | 2,225.0573        |
| Paving       | 0.3974        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.6529</b> | <b>12.9191</b> | <b>14.6532</b> | <b>0.0228</b> |               | <b>0.6777</b> | <b>0.6777</b> |                | <b>0.6235</b> | <b>0.6235</b> |          | <b>2,207.2109</b> | <b>2,207.2109</b> | <b>0.7139</b> |     | <b>2,225.0573</b> |

#### Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0515        | 0.0350        | 0.3490        | 1.0800e-003        | 0.1232        | 7.5000e-004        | 0.1240        | 0.0327         | 6.9000e-004        | 0.0334        |          | 107.2152        | 107.2152        | 2.4600e-003        |     | 107.2768        |
| <b>Total</b> | <b>0.0515</b> | <b>0.0350</b> | <b>0.3490</b> | <b>1.0800e-003</b> | <b>0.1232</b> | <b>7.5000e-004</b> | <b>0.1240</b> | <b>0.0327</b>  | <b>6.9000e-004</b> | <b>0.0334</b> |          | <b>107.2152</b> | <b>107.2152</b> | <b>2.4600e-003</b> |     | <b>107.2768</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2          | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 1.2556        | 12.9191        | 14.6532        | 0.0228        |               | 0.6777        | 0.6777        |                | 0.6235        | 0.6235        | 0.0000        | 2,207.2109        | 2,207.2109        | 0.7139        |     | 2,225.0573        |
| Paving       | 0.3974        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.6529</b> | <b>12.9191</b> | <b>14.6532</b> | <b>0.0228</b> |               | <b>0.6777</b> | <b>0.6777</b> |                | <b>0.6235</b> | <b>0.6235</b> | <b>0.0000</b> | <b>2,207.2109</b> | <b>2,207.2109</b> | <b>0.7139</b> |     | <b>2,225.0573</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0515        | 0.0350        | 0.3490        | 1.0800e-003        | 0.1168        | 7.5000e-004        | 0.1175        | 0.0311         | 6.9000e-004        | 0.0318        |          | 107.2152        | 107.2152        | 2.4600e-003        |     | 107.2768        |
| <b>Total</b> | <b>0.0515</b> | <b>0.0350</b> | <b>0.3490</b> | <b>1.0800e-003</b> | <b>0.1168</b> | <b>7.5000e-004</b> | <b>0.1175</b> | <b>0.0311</b>  | <b>6.9000e-004</b> | <b>0.0318</b> |          | <b>107.2152</b> | <b>107.2152</b> | <b>2.4600e-003</b> |     | <b>107.2768</b> |

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|

| Category     | lb/day        |                |                |               |  |               |               |  |               |               | lb/day            |                   |               |  |                   |
|--------------|---------------|----------------|----------------|---------------|--|---------------|---------------|--|---------------|---------------|-------------------|-------------------|---------------|--|-------------------|
| Off-Road     | 1.1028        | 11.1249        | 14.5805        | 0.0228        |  | 0.5679        | 0.5679        |  | 0.5225        | 0.5225        | 2,207.6603        | 2,207.6603        | 0.7140        |  | 2,225.5104        |
| Paving       | 0.3974        |                |                |               |  | 0.0000        | 0.0000        |  | 0.0000        | 0.0000        |                   | 0.0000            |               |  | 0.0000            |
| <b>Total</b> | <b>1.5002</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |  | <b>0.5679</b> | <b>0.5679</b> |  | <b>0.5225</b> | <b>0.5225</b> | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |  | <b>2,225.5104</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0481        | 0.0314        | 0.3203        | 1.0400e-003        | 0.1232        | 7.3000e-004        | 0.1240        | 0.0327         | 6.7000e-004        | 0.0334        |          | 103.3215        | 103.3215        | 2.2000e-003        |     | 103.3766        |
| <b>Total</b> | <b>0.0481</b> | <b>0.0314</b> | <b>0.3203</b> | <b>1.0400e-003</b> | <b>0.1232</b> | <b>7.3000e-004</b> | <b>0.1240</b> | <b>0.0327</b>  | <b>6.7000e-004</b> | <b>0.0334</b> |          | <b>103.3215</b> | <b>103.3215</b> | <b>2.2000e-003</b> |     | <b>103.3766</b> |

**Mitigated Construction On-Site**

|          | ROG    | NOx     | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2   | Total CO2  | CH4    | N2O | CO2e       |
|----------|--------|---------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category | lb/day |         |         |        |               |              |            |                |               |             | lb/day   |            |            |        |     |            |
| Off-Road | 1.1028 | 11.1249 | 14.5805 | 0.0228 |               | 0.5679       | 0.5679     |                | 0.5225        | 0.5225      | 0.0000   | 2,207.6603 | 2,207.6603 | 0.7140 |     | 2,225.5104 |
| Paving   | 0.3974 |         |         |        |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          |            | 0.0000     |        |     | 0.0000     |

|              |               |                |                |               |  |               |               |  |               |               |               |                   |                   |               |  |                   |
|--------------|---------------|----------------|----------------|---------------|--|---------------|---------------|--|---------------|---------------|---------------|-------------------|-------------------|---------------|--|-------------------|
| <b>Total</b> | <b>1.5002</b> | <b>11.1249</b> | <b>14.5805</b> | <b>0.0228</b> |  | <b>0.5679</b> | <b>0.5679</b> |  | <b>0.5225</b> | <b>0.5225</b> | <b>0.0000</b> | <b>2,207.6603</b> | <b>2,207.6603</b> | <b>0.7140</b> |  | <b>2,225.5104</b> |
|--------------|---------------|----------------|----------------|---------------|--|---------------|---------------|--|---------------|---------------|---------------|-------------------|-------------------|---------------|--|-------------------|

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0481        | 0.0314        | 0.3203        | 1.0400e-003        | 0.1168        | 7.3000e-004        | 0.1175        | 0.0311         | 6.7000e-004        | 0.0318        |          | 103.3215        | 103.3215        | 2.2000e-003        |     | 103.3766        |
| <b>Total</b> | <b>0.0481</b> | <b>0.0314</b> | <b>0.3203</b> | <b>1.0400e-003</b> | <b>0.1168</b> | <b>7.3000e-004</b> | <b>0.1175</b> | <b>0.0311</b>  | <b>6.7000e-004</b> | <b>0.0318</b> |          | <b>103.3215</b> | <b>103.3215</b> | <b>2.2000e-003</b> |     | <b>103.3766</b> |

**3.7 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 13.7196        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2189         | 1.5268        | 1.8176        | 2.9700e-003        |               | 0.0941        | 0.0941        |                | 0.0941        | 0.0941        |          | 281.4481        | 281.4481        | 0.0193        |     | 281.9309        |
| <b>Total</b>    | <b>13.9385</b> | <b>1.5268</b> | <b>1.8176</b> | <b>2.9700e-003</b> |               | <b>0.0941</b> | <b>0.0941</b> |                | <b>0.0941</b> | <b>0.0941</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.9309</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio-CO2        | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0755        | 0.0513        | 0.5118        | 1.5800e-003        | 0.1807        | 1.1000e-003        | 0.1818        | 0.0479         | 1.0100e-003        | 0.0490        |          | 157.2490        | 157.2490        | 3.6100e-003        |     | 157.3392        |
| <b>Total</b> | <b>0.0755</b> | <b>0.0513</b> | <b>0.5118</b> | <b>1.5800e-003</b> | <b>0.1807</b> | <b>1.1000e-003</b> | <b>0.1818</b> | <b>0.0479</b>  | <b>1.0100e-003</b> | <b>0.0490</b> |          | <b>157.2490</b> | <b>157.2490</b> | <b>3.6100e-003</b> |     | <b>157.3392</b> |

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2        | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 13.7196        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2189         | 1.5268        | 1.8176        | 2.9700e-003        |               | 0.0941        | 0.0941        |                | 0.0941        | 0.0941        | 0.0000        | 281.4481        | 281.4481        | 0.0193        |     | 281.9309        |
| <b>Total</b>    | <b>13.9385</b> | <b>1.5268</b> | <b>1.8176</b> | <b>2.9700e-003</b> |               | <b>0.0941</b> | <b>0.0941</b> |                | <b>0.0941</b> | <b>0.0941</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.9309</b> |

**Mitigated Construction Off-Site**

|          | ROG    | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|--------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
| Category | lb/day |     |    |     |               |              |            |                |               |             | lb/day   |          |           |     |     |      |

|              |               |               |               |                    |               |                    |               |               |                    |               |        |                 |                 |                    |        |                 |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|---------------|--------------------|---------------|--------|-----------------|-----------------|--------------------|--------|-----------------|
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000 | 0.0000          | 0.0000          | 0.0000             | 0.0000 | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000 | 0.0000          | 0.0000          | 0.0000             | 0.0000 | 0.0000          |
| Worker       | 0.0755        | 0.0513        | 0.5118        | 1.5800e-003        | 0.1713        | 1.1000e-003        | 0.1724        | 0.0456        | 1.0100e-003        | 0.0466        |        | 157.2490        | 157.2490        | 3.6100e-003        |        | 157.3392        |
| <b>Total</b> | <b>0.0755</b> | <b>0.0513</b> | <b>0.5118</b> | <b>1.5800e-003</b> | <b>0.1713</b> | <b>1.1000e-003</b> | <b>0.1724</b> | <b>0.0456</b> | <b>1.0100e-003</b> | <b>0.0466</b> |        | <b>157.2490</b> | <b>157.2490</b> | <b>3.6100e-003</b> |        | <b>157.3392</b> |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

|             | ROG    | NOx    | CO      | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2   | Total CO2  | CH4    | N2O | CO2e       |
|-------------|--------|--------|---------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|------------|------------|--------|-----|------------|
| Category    | lb/day |        |         |        |               |              |            |                |               |             | lb/day   |            |            |        |     |            |
| Mitigated   | 1.5079 | 5.8323 | 10.9619 | 0.0332 | 3.7082        | 0.1133       | 3.8215     | 0.9399         | 0.1080        | 1.0479      |          | 3,420.1529 | 3,420.1529 | 0.1155 |     | 3,423.0408 |
| Unmitigated | 1.5079 | 5.8323 | 10.9619 | 0.0332 | 3.7082        | 0.1133       | 3.8215     | 0.9399         | 0.1080        | 1.0479      |          | 3,420.1529 | 3,420.1529 | 0.1155 |     | 3,423.0408 |

### 4.2 Trip Summary Information

| Land Use                         | Average Daily Trip Rate |               |               | Unmitigated      | Mitigated        |
|----------------------------------|-------------------------|---------------|---------------|------------------|------------------|
|                                  | Weekday                 | Saturday      | Sunday        | Annual VMT       | Annual VMT       |
| General Office Building          | 387.90                  | 387.90        | 387.90        | 1,341,358        | 1,341,358        |
| Parking Lot                      | 171.36                  | 171.36        | 171.36        | 455,338          | 455,338          |
| Unrefrigerated Warehouse-No Rail | 14.03                   | 14.03         | 14.03         | 37,281           | 37,281           |
| <b>Total</b>                     | <b>573.29</b>           | <b>573.29</b> | <b>573.29</b> | <b>1,833,977</b> | <b>1,833,977</b> |

### 4.3 Trip Type Information

| Land Use                    | Miles      |            |             | Trip %    |            |             | Trip Purpose % |          |         |
|-----------------------------|------------|------------|-------------|-----------|------------|-------------|----------------|----------|---------|
|                             | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C- | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| General Office Building     | 9.50       | 7.30       | 7.30        | 100.00    | 0.00       | 0.00        | 100            | 0        | 0       |
| Parking Lot                 | 9.50       | 7.30       | 7.30        | 0.00      | 0.00       | 100.00      | 100            | 0        | 0       |
| Unrefrigerated Warehouse-No | 9.50       | 7.30       | 7.30        | 0.00      | 0.00       | 100.00      | 100            | 0        | 0       |

#### 4.4 Fleet Mix

| Land Use                            | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|-------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building             | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Parking Lot                         | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Unrefrigerated Warehouse-No<br>Rail | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.131010 | 0.326720 | 0.542270 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

#### 5.0 Energy Detail

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

| Category               | ROG         | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e    |
|------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
|                        | lb/day      |        |        |             |               |              |             |                |               |             | lb/day   |           |           |             |             |         |
| NaturalGas Mitigated   | 3.8100e-003 | 0.0346 | 0.0291 | 2.1000e-004 |               | 2.6300e-003  | 2.6300e-003 |                | 2.6300e-003   | 2.6300e-003 |          | 41.5536   | 41.5536   | 8.0000e-004 | 7.6000e-004 | 41.8005 |
| NaturalGas Unmitigated | 3.8100e-003 | 0.0346 | 0.0291 | 2.1000e-004 |               | 2.6300e-003  | 2.6300e-003 |                | 2.6300e-003   | 2.6300e-003 |          | 41.5536   | 41.5536   | 8.0000e-004 | 7.6000e-004 | 41.8005 |

#### 5.2 Energy by Land Use - NaturalGas

##### Unmitigated

|                                  | Natural Gas Use | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|-----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use                         | kBTU/yr         | lb/day             |               |               |                    |               |                    |                    |                |                    |                    | lb/day   |                |                |                    |                    |                |
| General Office Building          | 134.548         | 1.4500e-003        | 0.0132        | 0.0111        | 8.0000e-005        |               | 1.0000e-003        | 1.0000e-003        |                | 1.0000e-003        | 1.0000e-003        |          | 15.8292        | 15.8292        | 3.0000e-004        | 2.9000e-004        | 15.9232        |
| Parking Lot                      | 0               | 0.0000             | 0.0000        | 0.0000        | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Unrefrigerated Warehouse-No Pail | 218.658         | 2.3600e-003        | 0.0214        | 0.0180        | 1.3000e-004        |               | 1.6300e-003        | 1.6300e-003        |                | 1.6300e-003        | 1.6300e-003        |          | 25.7244        | 25.7244        | 4.9000e-004        | 4.7000e-004        | 25.8773        |
| <b>Total</b>                     |                 | <b>3.8100e-003</b> | <b>0.0346</b> | <b>0.0291</b> | <b>2.1000e-004</b> |               | <b>2.6300e-003</b> | <b>2.6300e-003</b> |                | <b>2.6300e-003</b> | <b>2.6300e-003</b> |          | <b>41.5536</b> | <b>41.5536</b> | <b>7.9000e-004</b> | <b>7.6000e-004</b> | <b>41.8005</b> |

**Mitigated**

|                                  | Natural Gas Use | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|-----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use                         | kBTU/yr         | lb/day             |               |               |                    |               |                    |                    |                |                    |                    | lb/day   |                |                |                    |                    |                |
| General Office Building          | 0.134548        | 1.4500e-003        | 0.0132        | 0.0111        | 8.0000e-005        |               | 1.0000e-003        | 1.0000e-003        |                | 1.0000e-003        | 1.0000e-003        |          | 15.8292        | 15.8292        | 3.0000e-004        | 2.9000e-004        | 15.9232        |
| Parking Lot                      | 0               | 0.0000             | 0.0000        | 0.0000        | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Unrefrigerated Warehouse-No Pail | 0.218658        | 2.3600e-003        | 0.0214        | 0.0180        | 1.3000e-004        |               | 1.6300e-003        | 1.6300e-003        |                | 1.6300e-003        | 1.6300e-003        |          | 25.7244        | 25.7244        | 4.9000e-004        | 4.7000e-004        | 25.8773        |
| <b>Total</b>                     |                 | <b>3.8100e-003</b> | <b>0.0346</b> | <b>0.0291</b> | <b>2.1000e-004</b> |               | <b>2.6300e-003</b> | <b>2.6300e-003</b> |                | <b>2.6300e-003</b> | <b>2.6300e-003</b> |          | <b>41.5536</b> | <b>41.5536</b> | <b>7.9000e-004</b> | <b>7.6000e-004</b> | <b>41.8005</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

|             | ROG    | NOx         | CO     | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4         | N2O | CO2e   |
|-------------|--------|-------------|--------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|----------|-----------|-------------|-----|--------|
| Category    | lb/day |             |        |        |               |              |             |                |               |             | lb/day   |          |           |             |     |        |
| Mitigated   | 0.7447 | 2.5000e-004 | 0.0270 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0578   | 0.0578    | 1.5000e-004 |     | 0.0616 |
| Unmitigated | 0.7447 | 2.5000e-004 | 0.0270 | 0.0000 |               | 1.0000e-004  | 1.0000e-004 |                | 1.0000e-004   | 1.0000e-004 |          | 0.0578   | 0.0578    | 1.5000e-004 |     | 0.0616 |

## 6.2 Area by SubCategory

### Unmitigated

|                       | ROG           | NOx                | CO            | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2 | NBio-CO2      | Total CO2     | CH4                | N2O | CO2e          |
|-----------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|----------|---------------|---------------|--------------------|-----|---------------|
| SubCategory           | lb/day        |                    |               |               |               |                    |                    |                |                    |                    | lb/day   |               |               |                    |     |               |
| Architectural Coating | 0.1015        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Consumer Products     | 0.6407        |                    |               |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |          |               | 0.0000        |                    |     | 0.0000        |
| Landscaping           | 2.5100e-003   | 2.5000e-004        | 0.0270        | 0.0000        |               | 1.0000e-004        | 1.0000e-004        |                | 1.0000e-004        | 1.0000e-004        |          | 0.0578        | 0.0578        | 1.5000e-004        |     | 0.0616        |
| <b>Total</b>          | <b>0.7447</b> | <b>2.5000e-004</b> | <b>0.0270</b> | <b>0.0000</b> |               | <b>1.0000e-004</b> | <b>1.0000e-004</b> |                | <b>1.0000e-004</b> | <b>1.0000e-004</b> |          | <b>0.0578</b> | <b>0.0578</b> | <b>1.5000e-004</b> |     | <b>0.0616</b> |

### Mitigated

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|----------|-----------|-----|-----|------|

| SubCategory       | lb/day                |                    |               |               |  |                    |                    |        |                    |                    | lb/day |               |               |                    |               |
|-------------------|-----------------------|--------------------|---------------|---------------|--|--------------------|--------------------|--------|--------------------|--------------------|--------|---------------|---------------|--------------------|---------------|
|                   | Architectural Coating | 0.1015             |               |               |  |                    | 0.0000             | 0.0000 |                    | 0.0000             | 0.0000 |               |               | 0.0000             |               |
| Consumer Products | 0.6407                |                    |               |               |  | 0.0000             | 0.0000             |        | 0.0000             | 0.0000             |        |               | 0.0000        |                    | 0.0000        |
| Landscaping       | 2.5100e-003           | 2.5000e-004        | 0.0270        | 0.0000        |  | 1.0000e-004        | 1.0000e-004        |        | 1.0000e-004        | 1.0000e-004        |        | 0.0578        | 0.0578        | 1.5000e-004        | 0.0616        |
| <b>Total</b>      | <b>0.7447</b>         | <b>2.5000e-004</b> | <b>0.0270</b> | <b>0.0000</b> |  | <b>1.0000e-004</b> | <b>1.0000e-004</b> |        | <b>1.0000e-004</b> | <b>1.0000e-004</b> |        | <b>0.0578</b> | <b>0.0578</b> | <b>1.5000e-004</b> | <b>0.0616</b> |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System

## 8.0 Waste Detail

### 8.1 Mitigation Measures Waste

- Institute Recycling and Composting Services

## 9.0 Operational Offroad

| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

## 10.0 Stationary Equipment

### Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

### Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

**User Defined Equipment**

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

**11.0 Vegetation**

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Existing Old Bayshore - Santa Clara County, Annual

**Existing Old Bayshore  
Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses     | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|---------------|--------|----------|-------------|--------------------|------------|
| Manufacturing | 74.00  | 1000sqft | 1.70        | 74,000.00          | 0          |
| Parking Lot   | 195.00 | 1000sqft | 4.48        | 195,000.00         | 0          |

**1.2 Other Project Characteristics**

|                                 |                                |                                 |       |                                  |       |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                          | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 58    |
| <b>Climate Zone</b>             | 4                              |                                 |       | <b>Operational Year</b>          | 2021  |
| <b>Utility Company</b>          | Pacific Gas & Electric Company |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 641.35                         | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use -
- Construction Phase - Existing - no construction
- Grading -
- Vehicle Trips - Per trip gen memo
- Construction Off-road Equipment Mitigation - BAAQMD rule compliance
- Water Mitigation -
- Waste Mitigation - Per AB 939

| Table Name             | Column Name                     | Default Value | New Value   |
|------------------------|---------------------------------|---------------|-------------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction  | 0             | 6           |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0             | 12          |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed    | 0             | 15          |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 230.00        | 0.00        |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 20.00         | 0.00        |
| tblConstructionPhase   | NumDays                         | 10.00         | 0.00        |
| tblVehicleEF           | HHD                             | 0.49          | 0.18        |
| tblVehicleEF           | HHD                             | 0.06          | 0.12        |
| tblVehicleEF           | HHD                             | 0.10          | 8.1737e-008 |
| tblVehicleEF           | HHD                             | 2.56          | 4.46        |
| tblVehicleEF           | HHD                             | 1.00          | 0.83        |
| tblVehicleEF           | HHD                             | 3.70          | 2.6658e-004 |
| tblVehicleEF           | HHD                             | 4,606.33      | 820.85      |
| tblVehicleEF           | HHD                             | 1,643.47      | 1,597.81    |
| tblVehicleEF           | HHD                             | 11.51         | 0.04        |
| tblVehicleEF           | HHD                             | 21.11         | 4.25        |
| tblVehicleEF           | HHD                             | 4.02          | 2.63        |
| tblVehicleEF           | HHD                             | 19.48         | 2.09        |
| tblVehicleEF           | HHD                             | 0.02          | 4.0021e-003 |
| tblVehicleEF           | HHD                             | 0.06          | 0.08        |
| tblVehicleEF           | HHD                             | 0.04          | 0.03        |
| tblVehicleEF           | HHD                             | 0.02          | 0.04        |
| tblVehicleEF           | HHD                             | 1.0300e-004   | 1.4534e-006 |
| tblVehicleEF           | HHD                             | 0.02          | 3.8250e-003 |
| tblVehicleEF           | HHD                             | 0.03          | 0.03        |
| tblVehicleEF           | HHD                             | 8.8230e-003   | 8.3699e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.02        | 0.03        |
| tblVehicleEF | HHD | 9.4000e-005 | 1.3363e-006 |
| tblVehicleEF | HHD | 1.0400e-004 | 4.2382e-004 |
| tblVehicleEF | HHD | 5.6370e-003 | 1.2606e-004 |
| tblVehicleEF | HHD | 0.65        | 0.31        |
| tblVehicleEF | HHD | 6.4000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.14        | 0.05        |
| tblVehicleEF | HHD | 4.9200e-004 | 1.1356e-003 |
| tblVehicleEF | HHD | 0.11        | 4.4434e-007 |
| tblVehicleEF | HHD | 0.04        | 7.3233e-003 |
| tblVehicleEF | HHD | 0.02        | 0.01        |
| tblVehicleEF | HHD | 1.7700e-004 | 3.6793e-007 |
| tblVehicleEF | HHD | 1.0400e-004 | 4.2382e-004 |
| tblVehicleEF | HHD | 5.6370e-003 | 1.2606e-004 |
| tblVehicleEF | HHD | 0.76        | 0.53        |
| tblVehicleEF | HHD | 6.4000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.21        | 0.17        |
| tblVehicleEF | HHD | 4.9200e-004 | 1.1356e-003 |
| tblVehicleEF | HHD | 0.12        | 4.8650e-007 |
| tblVehicleEF | HHD | 0.47        | 8.1687e-003 |
| tblVehicleEF | HHD | 0.06        | 8.9526e-003 |
| tblVehicleEF | HHD | 0.09        | 0.07        |
| tblVehicleEF | HHD | 1.86        | 0.19        |
| tblVehicleEF | HHD | 1.01        | 1.19        |
| tblVehicleEF | HHD | 3.40        | 2.95        |
| tblVehicleEF | HHD | 4,878.22    | 36.30       |
| tblVehicleEF | HHD | 1,643.47    | 374.36      |
| tblVehicleEF | HHD | 11.51       | 70.20       |
| tblVehicleEF | HHD | 21.79       | 0.18        |
| tblVehicleEF | HHD | 3.87        | 0.17        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 19.45       | 0.35        |
| tblVehicleEF | HHD | 0.02        | 1.6201e-004 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1837e-003 |
| tblVehicleEF | HHD | 0.02        | 2.9917e-003 |
| tblVehicleEF | HHD | 1.0300e-004 | 2.2279e-003 |
| tblVehicleEF | HHD | 0.02        | 1.5482e-004 |
| tblVehicleEF | HHD | 0.03        | 3.8152e-003 |
| tblVehicleEF | HHD | 8.8230e-003 | 2.2959e-003 |
| tblVehicleEF | HHD | 0.02        | 2.8115e-003 |
| tblVehicleEF | HHD | 9.4000e-005 | 2.0485e-003 |
| tblVehicleEF | HHD | 2.3900e-004 | 0.44        |
| tblVehicleEF | HHD | 6.0710e-003 | 0.11        |
| tblVehicleEF | HHD | 0.62        | 0.01        |
| tblVehicleEF | HHD | 1.3800e-004 | 0.00        |
| tblVehicleEF | HHD | 0.14        | 0.02        |
| tblVehicleEF | HHD | 4.7900e-004 | 0.26        |
| tblVehicleEF | HHD | 0.11        | 0.33        |
| tblVehicleEF | HHD | 0.05        | 3.2375e-004 |
| tblVehicleEF | HHD | 0.02        | 3.6439e-003 |
| tblVehicleEF | HHD | 1.7200e-004 | 6.9404e-004 |
| tblVehicleEF | HHD | 2.3900e-004 | 0.44        |
| tblVehicleEF | HHD | 6.0710e-003 | 0.11        |
| tblVehicleEF | HHD | 0.71        | 0.02        |
| tblVehicleEF | HHD | 1.3800e-004 | 0.00        |
| tblVehicleEF | HHD | 0.21        | 0.03        |
| tblVehicleEF | HHD | 4.7900e-004 | 0.26        |
| tblVehicleEF | HHD | 0.12        | 0.36        |
| tblVehicleEF | HHD | 0.53        | 8.1006e-003 |
| tblVehicleEF | HHD | 0.06        | 8.6483e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.11        | 0.09        |
| tblVehicleEF | HHD | 3.52        | 0.20        |
| tblVehicleEF | HHD | 1.00        | 0.88        |
| tblVehicleEF | HHD | 3.97        | 4.42        |
| tblVehicleEF | HHD | 4,230.85    | 36.56       |
| tblVehicleEF | HHD | 1,643.47    | 348.74      |
| tblVehicleEF | HHD | 11.51       | 72.93       |
| tblVehicleEF | HHD | 20.18       | 0.20        |
| tblVehicleEF | HHD | 4.08        | 0.19        |
| tblVehicleEF | HHD | 19.50       | 0.41        |
| tblVehicleEF | HHD | 0.02        | 1.9890e-004 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1837e-003 |
| tblVehicleEF | HHD | 0.02        | 2.9917e-003 |
| tblVehicleEF | HHD | 1.0300e-004 | 2.2279e-003 |
| tblVehicleEF | HHD | 0.02        | 1.9012e-004 |
| tblVehicleEF | HHD | 0.03        | 3.8152e-003 |
| tblVehicleEF | HHD | 8.8230e-003 | 2.2959e-003 |
| tblVehicleEF | HHD | 0.02        | 2.8115e-003 |
| tblVehicleEF | HHD | 9.4000e-005 | 2.0485e-003 |
| tblVehicleEF | HHD | 5.4000e-005 | 0.30        |
| tblVehicleEF | HHD | 5.9130e-003 | 0.09        |
| tblVehicleEF | HHD | 0.71        | 0.01        |
| tblVehicleEF | HHD | 3.3000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.14        | 0.01        |
| tblVehicleEF | HHD | 5.4600e-004 | 0.25        |
| tblVehicleEF | HHD | 0.12        | 0.45        |
| tblVehicleEF | HHD | 0.04        | 3.2626e-004 |
| tblVehicleEF | HHD | 0.02        | 3.3906e-003 |
| tblVehicleEF | HHD | 1.8100e-004 | 7.2099e-004 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tbIVehicleEF | HHD | 5.4000e-005 | 0.30        |
| tbIVehicleEF | HHD | 5.9130e-003 | 0.09        |
| tbIVehicleEF | HHD | 0.81        | 0.02        |
| tbIVehicleEF | HHD | 3.3000e-005 | 0.00        |
| tbIVehicleEF | HHD | 0.21        | 0.03        |
| tbIVehicleEF | HHD | 5.4600e-004 | 0.25        |
| tbIVehicleEF | HHD | 0.13        | 0.49        |
| tbIVehicleEF | LDA | 4.1020e-003 | 2.9990e-003 |
| tbIVehicleEF | LDA | 6.2620e-003 | 0.08        |
| tbIVehicleEF | LDA | 0.57        | 0.83        |
| tbIVehicleEF | LDA | 1.33        | 3.59        |
| tbIVehicleEF | LDA | 254.67      | 266.54      |
| tbIVehicleEF | LDA | 59.39       | 69.17       |
| tbIVehicleEF | LDA | 0.05        | 0.06        |
| tbIVehicleEF | LDA | 0.08        | 0.28        |
| tbIVehicleEF | LDA | 0.04        | 7.2660e-003 |
| tbIVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tbIVehicleEF | LDA | 1.6890e-003 | 1.3087e-003 |
| tbIVehicleEF | LDA | 2.2650e-003 | 2.1596e-003 |
| tbIVehicleEF | LDA | 0.02        | 2.5431e-003 |
| tbIVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tbIVehicleEF | LDA | 1.5560e-003 | 1.2036e-003 |
| tbIVehicleEF | LDA | 2.0820e-003 | 1.9857e-003 |
| tbIVehicleEF | LDA | 0.03        | 0.31        |
| tbIVehicleEF | LDA | 0.10        | 0.09        |
| tbIVehicleEF | LDA | 0.03        | 0.00        |
| tbIVehicleEF | LDA | 0.01        | 0.01        |
| tbIVehicleEF | LDA | 0.04        | 0.24        |
| tbIVehicleEF | LDA | 0.08        | 0.38        |
| tbIVehicleEF | LDA | 2.5500e-003 | 2.6350e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tbIVehicleEF | LDA | 6.1600e-004 | 6.8382e-004 |
| tbIVehicleEF | LDA | 0.03        | 0.31        |
| tbIVehicleEF | LDA | 0.10        | 0.09        |
| tbIVehicleEF | LDA | 0.03        | 0.00        |
| tbIVehicleEF | LDA | 0.02        | 0.02        |
| tbIVehicleEF | LDA | 0.04        | 0.24        |
| tbIVehicleEF | LDA | 0.09        | 0.41        |
| tbIVehicleEF | LDA | 4.5670e-003 | 3.9967e-003 |
| tbIVehicleEF | LDA | 5.1860e-003 | 0.05        |
| tbIVehicleEF | LDA | 0.67        | 1.07        |
| tbIVehicleEF | LDA | 1.05        | 2.49        |
| tbIVehicleEF | LDA | 274.58      | 179.63      |
| tbIVehicleEF | LDA | 59.39       | 47.96       |
| tbIVehicleEF | LDA | 0.05        | 0.07        |
| tbIVehicleEF | LDA | 0.07        | 0.20        |
| tbIVehicleEF | LDA | 0.04        | 6.4212e-003 |
| tbIVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tbIVehicleEF | LDA | 1.6890e-003 | 1.4170e-003 |
| tbIVehicleEF | LDA | 2.2650e-003 | 1.8642e-003 |
| tbIVehicleEF | LDA | 0.02        | 2.2474e-003 |
| tbIVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tbIVehicleEF | LDA | 1.5560e-003 | 1.3156e-003 |
| tbIVehicleEF | LDA | 2.0820e-003 | 1.7142e-003 |
| tbIVehicleEF | LDA | 0.08        | 0.45        |
| tbIVehicleEF | LDA | 0.12        | 0.10        |
| tbIVehicleEF | LDA | 0.06        | 0.00        |
| tbIVehicleEF | LDA | 0.01        | 0.02        |
| tbIVehicleEF | LDA | 0.04        | 0.27        |
| tbIVehicleEF | LDA | 0.07        | 0.27        |
| tbIVehicleEF | LDA | 2.7510e-003 | 1.7743e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 6.1200e-004 | 4.7414e-004 |
| tblVehicleEF | LDA | 0.08        | 0.45        |
| tblVehicleEF | LDA | 0.12        | 0.10        |
| tblVehicleEF | LDA | 0.06        | 0.00        |
| tblVehicleEF | LDA | 0.02        | 0.03        |
| tblVehicleEF | LDA | 0.04        | 0.27        |
| tblVehicleEF | LDA | 0.08        | 0.30        |
| tblVehicleEF | LDA | 3.9950e-003 | 3.6675e-003 |
| tblVehicleEF | LDA | 7.0990e-003 | 0.07        |
| tblVehicleEF | LDA | 0.56        | 0.79        |
| tblVehicleEF | LDA | 1.55        | 3.78        |
| tblVehicleEF | LDA | 251.39      | 165.80      |
| tblVehicleEF | LDA | 59.39       | 50.36       |
| tblVehicleEF | LDA | 0.06        | 0.09        |
| tblVehicleEF | LDA | 0.09        | 0.24        |
| tblVehicleEF | LDA | 0.04        | 6.4212e-003 |
| tblVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDA | 1.6890e-003 | 1.4170e-003 |
| tblVehicleEF | LDA | 2.2650e-003 | 1.8642e-003 |
| tblVehicleEF | LDA | 0.02        | 2.2474e-003 |
| tblVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDA | 1.5560e-003 | 1.3156e-003 |
| tblVehicleEF | LDA | 2.0820e-003 | 1.7142e-003 |
| tblVehicleEF | LDA | 0.02        | 0.30        |
| tblVehicleEF | LDA | 0.11        | 0.09        |
| tblVehicleEF | LDA | 0.01        | 0.00        |
| tblVehicleEF | LDA | 0.01        | 0.02        |
| tblVehicleEF | LDA | 0.05        | 0.27        |
| tblVehicleEF | LDA | 0.10        | 0.38        |
| tblVehicleEF | LDA | 2.5170e-003 | 1.6376e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDA  | 6.2000e-004 | 4.9790e-004 |
| tblVehicleEF | LDA  | 0.02        | 0.30        |
| tblVehicleEF | LDA  | 0.11        | 0.09        |
| tblVehicleEF | LDA  | 0.01        | 0.00        |
| tblVehicleEF | LDA  | 0.01        | 0.02        |
| tblVehicleEF | LDA  | 0.05        | 0.27        |
| tblVehicleEF | LDA  | 0.10        | 0.41        |
| tblVehicleEF | LDT1 | 0.01        | 8.4967e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.13        |
| tblVehicleEF | LDT1 | 1.23        | 1.82        |
| tblVehicleEF | LDT1 | 2.89        | 6.48        |
| tblVehicleEF | LDT1 | 312.93      | 340.86      |
| tblVehicleEF | LDT1 | 72.25       | 90.33       |
| tblVehicleEF | LDT1 | 0.12        | 0.18        |
| tblVehicleEF | LDT1 | 0.16        | 0.45        |
| tblVehicleEF | LDT1 | 0.04        | 9.2118e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.3880e-003 | 2.3494e-003 |
| tblVehicleEF | LDT1 | 3.1640e-003 | 3.3991e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.2241e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.1990e-003 | 2.1646e-003 |
| tblVehicleEF | LDT1 | 2.9100e-003 | 3.1257e-003 |
| tblVehicleEF | LDT1 | 0.09        | 0.67        |
| tblVehicleEF | LDT1 | 0.24        | 0.19        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.04        |
| tblVehicleEF | LDT1 | 0.17        | 0.55        |
| tblVehicleEF | LDT1 | 0.20        | 0.67        |
| tblVehicleEF | LDT1 | 3.1440e-003 | 3.3673e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 7.7300e-004 | 8.9305e-004 |
| tblVehicleEF | LDT1 | 0.09        | 0.67        |
| tblVehicleEF | LDT1 | 0.24        | 0.19        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.06        |
| tblVehicleEF | LDT1 | 0.17        | 0.55        |
| tblVehicleEF | LDT1 | 0.21        | 0.73        |
| tblVehicleEF | LDT1 | 0.01        | 4.0137e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.08        |
| tblVehicleEF | LDT1 | 1.42        | 1.36        |
| tblVehicleEF | LDT1 | 2.27        | 3.44        |
| tblVehicleEF | LDT1 | 336.30      | 388.22      |
| tblVehicleEF | LDT1 | 72.25       | 92.37       |
| tblVehicleEF | LDT1 | 0.11        | 0.08        |
| tblVehicleEF | LDT1 | 0.14        | 0.37        |
| tblVehicleEF | LDT1 | 0.04        | 8.9225e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.3880e-003 | 1.4897e-003 |
| tblVehicleEF | LDT1 | 3.1640e-003 | 2.3033e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.1990e-003 | 1.3703e-003 |
| tblVehicleEF | LDT1 | 2.9100e-003 | 2.1178e-003 |
| tblVehicleEF | LDT1 | 0.22        | 0.42        |
| tblVehicleEF | LDT1 | 0.27        | 0.10        |
| tblVehicleEF | LDT1 | 0.15        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.02        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.16        | 0.39        |
| tblVehicleEF | LDT1 | 3.3800e-003 | 3.8380e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 7.6200e-004 | 9.1319e-004 |
| tblVehicleEF | LDT1 | 0.22        | 0.42        |
| tblVehicleEF | LDT1 | 0.27        | 0.10        |
| tblVehicleEF | LDT1 | 0.15        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.02        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.18        | 0.43        |
| tblVehicleEF | LDT1 | 9.8780e-003 | 3.6523e-003 |
| tblVehicleEF | LDT1 | 0.02        | 0.11        |
| tblVehicleEF | LDT1 | 1.21        | 0.99        |
| tblVehicleEF | LDT1 | 3.40        | 5.16        |
| tblVehicleEF | LDT1 | 309.08      | 360.71      |
| tblVehicleEF | LDT1 | 72.25       | 95.57       |
| tblVehicleEF | LDT1 | 0.14        | 0.11        |
| tblVehicleEF | LDT1 | 0.18        | 0.46        |
| tblVehicleEF | LDT1 | 0.04        | 8.9225e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.3880e-003 | 1.4897e-003 |
| tblVehicleEF | LDT1 | 3.1640e-003 | 2.3033e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.1990e-003 | 1.3703e-003 |
| tblVehicleEF | LDT1 | 2.9100e-003 | 2.1178e-003 |
| tblVehicleEF | LDT1 | 0.05        | 0.29        |
| tblVehicleEF | LDT1 | 0.26        | 0.08        |
| tblVehicleEF | LDT1 | 0.04        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.02        |
| tblVehicleEF | LDT1 | 0.20        | 0.24        |
| tblVehicleEF | LDT1 | 0.22        | 0.53        |
| tblVehicleEF | LDT1 | 3.1050e-003 | 3.5660e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 7.8200e-004 | 9.4485e-004 |
| tblVehicleEF | LDT1 | 0.05        | 0.29        |
| tblVehicleEF | LDT1 | 0.26        | 0.08        |
| tblVehicleEF | LDT1 | 0.04        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.02        |
| tblVehicleEF | LDT1 | 0.20        | 0.24        |
| tblVehicleEF | LDT1 | 0.24        | 0.58        |
| tblVehicleEF | LDT2 | 0.00        | 3.3734e-005 |
| tblVehicleEF | LDT2 | 5.9280e-003 | 3.9685e-003 |
| tblVehicleEF | LDT2 | 8.2010e-003 | 0.09        |
| tblVehicleEF | LDT2 | 0.00        | 6.0227e-003 |
| tblVehicleEF | LDT2 | 0.77        | 1.02        |
| tblVehicleEF | LDT2 | 1.72        | 4.02        |
| tblVehicleEF | LDT2 | 0.00        | 0.90        |
| tblVehicleEF | LDT2 | 357.28      | 373.12      |
| tblVehicleEF | LDT2 | 82.63       | 86.24       |
| tblVehicleEF | LDT2 | 0.00        | 0.02        |
| tblVehicleEF | LDT2 | 0.08        | 0.18        |
| tblVehicleEF | LDT2 | 0.14        | 0.39        |
| tblVehicleEF | LDT2 | 0.00        | 1.8970e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.01        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.1368e-003 |
| tblVehicleEF | LDT2 | 1.6320e-003 | 3.0986e-003 |
| tblVehicleEF | LDT2 | 2.2340e-003 | 2.1108e-003 |
| tblVehicleEF | LDT2 | 0.00        | 1.8149e-004 |
| tblVehicleEF | LDT2 | 0.02        | 3.9424e-003 |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0342e-003 |
| tblVehicleEF | LDT2 | 1.5010e-003 | 2.9115e-003 |
| tblVehicleEF | LDT2 | 2.0540e-003 | 1.9409e-003 |
| tblVehicleEF | LDT2 | 0.04        | 0.29        |

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|--------------|------|-------------|-------------|
| tbIVehicleEF | LDT2 | 0.12        | 0.08        |
| tbIVehicleEF | LDT2 | 0.00        | 7.2627e-004 |
| tbIVehicleEF | LDT2 | 0.04        | 0.00        |
| tbIVehicleEF | LDT2 | 0.01        | 0.02        |
| tbIVehicleEF | LDT2 | 0.07        | 0.22        |
| tbIVehicleEF | LDT2 | 0.11        | 0.43        |
| tbIVehicleEF | LDT2 | 0.00        | 8.5637e-006 |
| tbIVehicleEF | LDT2 | 3.5790e-003 | 3.6796e-003 |
| tbIVehicleEF | LDT2 | 8.5600e-004 | 8.5258e-004 |
| tbIVehicleEF | LDT2 | 0.04        | 0.29        |
| tbIVehicleEF | LDT2 | 0.12        | 0.08        |
| tbIVehicleEF | LDT2 | 0.00        | 8.2690e-004 |
| tbIVehicleEF | LDT2 | 0.04        | 0.00        |
| tbIVehicleEF | LDT2 | 0.02        | 0.03        |
| tbIVehicleEF | LDT2 | 0.07        | 0.22        |
| tbIVehicleEF | LDT2 | 0.12        | 0.47        |
| tbIVehicleEF | LDT2 | 0.00        | 7.8845e-003 |
| tbIVehicleEF | LDT2 | 6.5840e-003 | 0.01        |
| tbIVehicleEF | LDT2 | 6.7950e-003 | 0.04        |
| tbIVehicleEF | LDT2 | 0.00        | 0.24        |
| tbIVehicleEF | LDT2 | 0.91        | 1.32        |
| tbIVehicleEF | LDT2 | 1.36        | 2.70        |
| tbIVehicleEF | LDT2 | 0.00        | 7.96        |
| tbIVehicleEF | LDT2 | 384.48      | 851.42      |
| tbIVehicleEF | LDT2 | 82.63       | 25.62       |
| tbIVehicleEF | LDT2 | 0.00        | 2.5816e-003 |
| tbIVehicleEF | LDT2 | 0.08        | 0.21        |
| tbIVehicleEF | LDT2 | 0.13        | 0.64        |
| tbIVehicleEF | LDT2 | 0.04        | 0.07        |
| tbIVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |

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|--------------|------|-------------|-------------|
| tbIVehicleEF | LDT2 | 1.6320e-003 | 2.0078e-003 |
| tbIVehicleEF | LDT2 | 2.2340e-003 | 4.3410e-004 |
| tbIVehicleEF | LDT2 | 0.02        | 0.02        |
| tbIVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tbIVehicleEF | LDT2 | 1.5010e-003 | 1.8563e-003 |
| tbIVehicleEF | LDT2 | 2.0540e-003 | 3.9914e-004 |
| tbIVehicleEF | LDT2 | 0.10        | 0.27        |
| tbIVehicleEF | LDT2 | 0.13        | 0.06        |
| tbIVehicleEF | LDT2 | 0.00        | 0.03        |
| tbIVehicleEF | LDT2 | 0.08        | 0.00        |
| tbIVehicleEF | LDT2 | 0.02        | 0.06        |
| tbIVehicleEF | LDT2 | 0.07        | 0.30        |
| tbIVehicleEF | LDT2 | 0.09        | 0.18        |
| tbIVehicleEF | LDT2 | 0.00        | 7.8680e-005 |
| tbIVehicleEF | LDT2 | 3.8520e-003 | 8.4112e-003 |
| tbIVehicleEF | LDT2 | 8.4900e-004 | 2.5325e-004 |
| tbIVehicleEF | LDT2 | 0.10        | 0.27        |
| tbIVehicleEF | LDT2 | 0.13        | 0.06        |
| tbIVehicleEF | LDT2 | 0.00        | 0.04        |
| tbIVehicleEF | LDT2 | 0.08        | 0.00        |
| tbIVehicleEF | LDT2 | 0.02        | 0.08        |
| tbIVehicleEF | LDT2 | 0.07        | 0.30        |
| tbIVehicleEF | LDT2 | 0.10        | 0.19        |
| tbIVehicleEF | LDT2 | 0.00        | 7.8228e-003 |
| tbIVehicleEF | LDT2 | 5.7750e-003 | 0.01        |
| tbIVehicleEF | LDT2 | 9.2910e-003 | 0.04        |
| tbIVehicleEF | LDT2 | 0.00        | 0.24        |
| tbIVehicleEF | LDT2 | 0.76        | 1.24        |
| tbIVehicleEF | LDT2 | 2.02        | 3.11        |
| tbIVehicleEF | LDT2 | 0.00        | 7.96        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 352.80      | 850.60      |
| tblVehicleEF | LDT2 | 82.63       | 26.34       |
| tblVehicleEF | LDT2 | 0.00        | 2.5816e-003 |
| tblVehicleEF | LDT2 | 0.09        | 0.25        |
| tblVehicleEF | LDT2 | 0.15        | 0.72        |
| tblVehicleEF | LDT2 | 0.04        | 0.07        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT2 | 1.6320e-003 | 2.0078e-003 |
| tblVehicleEF | LDT2 | 2.2340e-003 | 4.3410e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT2 | 1.5010e-003 | 1.8563e-003 |
| tblVehicleEF | LDT2 | 2.0540e-003 | 3.9914e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.19        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.03        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.01        | 0.05        |
| tblVehicleEF | LDT2 | 0.09        | 0.30        |
| tblVehicleEF | LDT2 | 0.13        | 0.20        |
| tblVehicleEF | LDT2 | 0.00        | 7.8680e-005 |
| tblVehicleEF | LDT2 | 3.5340e-003 | 8.4030e-003 |
| tblVehicleEF | LDT2 | 8.6100e-004 | 2.6036e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.19        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.04        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.08        |
| tblVehicleEF | LDT2 | 0.09        | 0.30        |
| tblVehicleEF | LDT2 | 0.14        | 0.22        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 5.9570e-003 | 6.9244e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 0.15        | 0.22        |
| tblVehicleEF | LHD1 | 1.20        | 1.24        |
| tblVehicleEF | LHD1 | 2.95        | 2.53        |
| tblVehicleEF | LHD1 | 8.98        | 9.62        |
| tblVehicleEF | LHD1 | 704.65      | 903.01      |
| tblVehicleEF | LHD1 | 33.88       | 21.86       |
| tblVehicleEF | LHD1 | 0.07        | 0.03        |
| tblVehicleEF | LHD1 | 1.31        | 0.55        |
| tblVehicleEF | LHD1 | 1.09        | 0.59        |
| tblVehicleEF | LHD1 | 8.6000e-004 | 3.4692e-004 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 9.9630e-003 | 8.7586e-003 |
| tblVehicleEF | LHD1 | 0.02        | 9.4590e-003 |
| tblVehicleEF | LHD1 | 1.0630e-003 | 3.5404e-004 |
| tblVehicleEF | LHD1 | 8.2300e-004 | 3.3191e-004 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.4910e-003 | 2.1896e-003 |
| tblVehicleEF | LHD1 | 0.01        | 8.9922e-003 |
| tblVehicleEF | LHD1 | 9.7800e-004 | 3.2553e-004 |
| tblVehicleEF | LHD1 | 2.8190e-003 | 0.18        |
| tblVehicleEF | LHD1 | 0.11        | 0.05        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 1.4030e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.09        |
| tblVehicleEF | LHD1 | 0.33        | 0.25        |
| tblVehicleEF | LHD1 | 0.30        | 0.16        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.3966e-005 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 6.9280e-003 | 8.8663e-003 |
| tblVehicleEF | LHD1 | 3.9500e-004 | 2.1611e-004 |
| tblVehicleEF | LHD1 | 2.8190e-003 | 0.18        |
| tblVehicleEF | LHD1 | 0.11        | 0.05        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.4030e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.11        |
| tblVehicleEF | LHD1 | 0.33        | 0.25        |
| tblVehicleEF | LHD1 | 0.33        | 0.18        |
| tblVehicleEF | LHD1 | 5.9570e-003 | 2.2781e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 8.3923e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.12        |
| tblVehicleEF | LHD1 | 1.22        | 0.75        |
| tblVehicleEF | LHD1 | 2.73        | 0.70        |
| tblVehicleEF | LHD1 | 8.98        | 10.52       |
| tblVehicleEF | LHD1 | 704.65      | 723.21      |
| tblVehicleEF | LHD1 | 33.88       | 6.23        |
| tblVehicleEF | LHD1 | 0.07        | 0.14        |
| tblVehicleEF | LHD1 | 1.25        | 1.85        |
| tblVehicleEF | LHD1 | 1.02        | 0.15        |
| tblVehicleEF | LHD1 | 8.6000e-004 | 1.7256e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 9.9630e-003 | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.0630e-003 | 8.3326e-005 |
| tblVehicleEF | LHD1 | 8.2300e-004 | 1.6510e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.4910e-003 | 2.7968e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 9.7800e-004 | 7.6615e-005 |
| tblVehicleEF | LHD1 | 6.3880e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 2.9310e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.18        |
| tblVehicleEF | LHD1 | 0.32        | 0.07        |
| tblVehicleEF | LHD1 | 0.29        | 0.04        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 1.0064e-004 |
| tblVehicleEF | LHD1 | 6.9280e-003 | 6.9392e-003 |
| tblVehicleEF | LHD1 | 3.9100e-004 | 6.1631e-005 |
| tblVehicleEF | LHD1 | 6.3880e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 2.9310e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.21        |
| tblVehicleEF | LHD1 | 0.32        | 0.07        |
| tblVehicleEF | LHD1 | 0.31        | 0.05        |
| tblVehicleEF | LHD1 | 5.9570e-003 | 2.2625e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 9.2777e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.12        |
| tblVehicleEF | LHD1 | 1.17        | 0.74        |
| tblVehicleEF | LHD1 | 3.17        | 0.80        |
| tblVehicleEF | LHD1 | 8.98        | 10.52       |
| tblVehicleEF | LHD1 | 704.65      | 723.19      |
| tblVehicleEF | LHD1 | 33.88       | 6.41        |
| tblVehicleEF | LHD1 | 0.07        | 0.14        |
| tblVehicleEF | LHD1 | 1.34        | 1.96        |
| tblVehicleEF | LHD1 | 1.15        | 0.17        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 8.6000e-004 | 1.7256e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 9.9630e-003 | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.0630e-003 | 8.3326e-005 |
| tblVehicleEF | LHD1 | 8.2300e-004 | 1.6510e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.4910e-003 | 2.7968e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |
| tblVehicleEF | LHD1 | 9.7800e-004 | 7.6615e-005 |
| tblVehicleEF | LHD1 | 1.4130e-003 | 0.04        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 7.3200e-004 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.18        |
| tblVehicleEF | LHD1 | 0.37        | 0.07        |
| tblVehicleEF | LHD1 | 0.32        | 0.05        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 1.0064e-004 |
| tblVehicleEF | LHD1 | 6.9270e-003 | 6.9390e-003 |
| tblVehicleEF | LHD1 | 3.9900e-004 | 6.3413e-005 |
| tblVehicleEF | LHD1 | 1.4130e-003 | 0.04        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 7.3200e-004 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.21        |
| tblVehicleEF | LHD1 | 0.37        | 0.07        |
| tblVehicleEF | LHD1 | 0.35        | 0.05        |
| tblVehicleEF | LHD2 | 3.8320e-003 | 3.2592e-003 |
| tblVehicleEF | LHD2 | 9.2950e-003 | 0.12        |
| tblVehicleEF | LHD2 | 8.8580e-003 | 0.13        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.13        | 0.10        |
| tblVehicleEF | LHD2 | 0.63        | 9.56        |
| tblVehicleEF | LHD2 | 1.37        | 6.13        |
| tblVehicleEF | LHD2 | 14.07       | 3.81        |
| tblVehicleEF | LHD2 | 720.29      | 488.52      |
| tblVehicleEF | LHD2 | 25.14       | 41.73       |
| tblVehicleEF | LHD2 | 0.11        | 1.0621e-003 |
| tblVehicleEF | LHD2 | 0.95        | 0.49        |
| tblVehicleEF | LHD2 | 0.53        | 0.37        |
| tblVehicleEF | LHD2 | 1.2990e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.09        | 0.04        |
| tblVehicleEF | LHD2 | 0.01        | 5.4125e-003 |
| tblVehicleEF | LHD2 | 0.02        | 1.8269e-003 |
| tblVehicleEF | LHD2 | 4.7100e-004 | 2.4358e-003 |
| tblVehicleEF | LHD2 | 1.2430e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.04        | 0.01        |
| tblVehicleEF | LHD2 | 2.6810e-003 | 1.3531e-003 |
| tblVehicleEF | LHD2 | 0.01        | 1.7020e-003 |
| tblVehicleEF | LHD2 | 4.3300e-004 | 2.2948e-003 |
| tblVehicleEF | LHD2 | 9.9400e-004 | 1.27        |
| tblVehicleEF | LHD2 | 0.04        | 2.15        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 5.0900e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.80        |
| tblVehicleEF | LHD2 | 0.09        | 2.33        |
| tblVehicleEF | LHD2 | 0.12        | 0.97        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 3.7654e-005 |
| tblVehicleEF | LHD2 | 7.0090e-003 | 4.8295e-003 |
| tblVehicleEF | LHD2 | 2.7600e-004 | 4.1252e-004 |
| tblVehicleEF | LHD2 | 9.9400e-004 | 1.27        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.04        | 2.15        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 5.0900e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.96        |
| tblVehicleEF | LHD2 | 0.09        | 2.33        |
| tblVehicleEF | LHD2 | 0.13        | 1.05        |
| tblVehicleEF | LHD2 | 3.8320e-003 | 1.9623e-004 |
| tblVehicleEF | LHD2 | 9.4580e-003 | 0.09        |
| tblVehicleEF | LHD2 | 8.3680e-003 | 0.09        |
| tblVehicleEF | LHD2 | 0.13        | 0.04        |
| tblVehicleEF | LHD2 | 0.64        | 7.30        |
| tblVehicleEF | LHD2 | 1.27        | 3.66        |
| tblVehicleEF | LHD2 | 14.07       | 8.37        |
| tblVehicleEF | LHD2 | 720.29      | 482.67      |
| tblVehicleEF | LHD2 | 25.14       | 25.63       |
| tblVehicleEF | LHD2 | 0.11        | 0.09        |
| tblVehicleEF | LHD2 | 0.91        | 1.15        |
| tblVehicleEF | LHD2 | 0.50        | 0.07        |
| tblVehicleEF | LHD2 | 1.2990e-003 | 1.0923e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 7.9630e-003 |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 4.7100e-004 | 1.9823e-003 |
| tblVehicleEF | LHD2 | 1.2430e-003 | 1.0451e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.02        |
| tblVehicleEF | LHD2 | 2.6810e-003 | 1.9908e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.3300e-004 | 1.8703e-003 |
| tblVehicleEF | LHD2 | 2.2540e-003 | 1.67        |
| tblVehicleEF | LHD2 | 0.04        | 1.93        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.01        | 4.2248e-003 |
| tblVehicleEF | LHD2 | 1.0660e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.69        |
| tblVehicleEF | LHD2 | 0.09        | 1.94        |
| tblVehicleEF | LHD2 | 0.11        | 0.64        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 7.9337e-005 |
| tblVehicleEF | LHD2 | 7.0090e-003 | 4.6128e-003 |
| tblVehicleEF | LHD2 | 2.7500e-004 | 2.5335e-004 |
| tblVehicleEF | LHD2 | 2.2540e-003 | 1.67        |
| tblVehicleEF | LHD2 | 0.04        | 1.93        |
| tblVehicleEF | LHD2 | 0.02        | 4.8097e-003 |
| tblVehicleEF | LHD2 | 1.0660e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.82        |
| tblVehicleEF | LHD2 | 0.09        | 1.94        |
| tblVehicleEF | LHD2 | 0.12        | 0.69        |
| tblVehicleEF | LHD2 | 3.8320e-003 | 1.9623e-004 |
| tblVehicleEF | LHD2 | 9.1660e-003 | 0.10        |
| tblVehicleEF | LHD2 | 9.2820e-003 | 0.12        |
| tblVehicleEF | LHD2 | 0.13        | 0.04        |
| tblVehicleEF | LHD2 | 0.63        | 7.72        |
| tblVehicleEF | LHD2 | 1.47        | 4.83        |
| tblVehicleEF | LHD2 | 14.07       | 8.37        |
| tblVehicleEF | LHD2 | 720.29      | 483.46      |
| tblVehicleEF | LHD2 | 25.14       | 28.35       |
| tblVehicleEF | LHD2 | 0.11        | 0.09        |
| tblVehicleEF | LHD2 | 0.97        | 1.25        |
| tblVehicleEF | LHD2 | 0.56        | 0.09        |
| tblVehicleEF | LHD2 | 1.2990e-003 | 1.0923e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 7.9630e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 4.7100e-004 | 1.9823e-003 |
| tblVehicleEF | LHD2 | 1.2430e-003 | 1.0451e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.02        |
| tblVehicleEF | LHD2 | 2.6810e-003 | 1.9908e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.3300e-004 | 1.8703e-003 |
| tblVehicleEF | LHD2 | 5.0200e-004 | 0.90        |
| tblVehicleEF | LHD2 | 0.04        | 1.72        |
| tblVehicleEF | LHD2 | 0.01        | 4.2248e-003 |
| tblVehicleEF | LHD2 | 2.6700e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.73        |
| tblVehicleEF | LHD2 | 0.10        | 2.08        |
| tblVehicleEF | LHD2 | 0.13        | 0.90        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 7.9337e-005 |
| tblVehicleEF | LHD2 | 7.0090e-003 | 4.6205e-003 |
| tblVehicleEF | LHD2 | 2.7800e-004 | 2.8029e-004 |
| tblVehicleEF | LHD2 | 5.0200e-004 | 0.90        |
| tblVehicleEF | LHD2 | 0.04        | 1.72        |
| tblVehicleEF | LHD2 | 0.02        | 4.8097e-003 |
| tblVehicleEF | LHD2 | 2.6700e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.86        |
| tblVehicleEF | LHD2 | 0.10        | 2.08        |
| tblVehicleEF | LHD2 | 0.14        | 0.98        |
| tblVehicleEF | MCY  | 0.44        | 0.06        |
| tblVehicleEF | MCY  | 0.16        | 0.00        |
| tblVehicleEF | MCY  | 19.41       | 0.06        |
| tblVehicleEF | MCY  | 10.14       | 0.00        |
| tblVehicleEF | MCY  | 168.73      | 0.06        |
| tblVehicleEF | MCY  | 45.97       | 0.00        |

|              |     |             |        |
|--------------|-----|-------------|--------|
| tblVehicleEF | MCY | 1.15        | 0.06   |
| tblVehicleEF | MCY | 0.32        | 0.00   |
| tblVehicleEF | MCY | 0.01        | 0.06   |
| tblVehicleEF | MCY | 4.0000e-003 | 0.06   |
| tblVehicleEF | MCY | 1.9370e-003 | 0.06   |
| tblVehicleEF | MCY | 3.9880e-003 | 0.00   |
| tblVehicleEF | MCY | 5.0400e-003 | 0.06   |
| tblVehicleEF | MCY | 1.0000e-003 | 0.06   |
| tblVehicleEF | MCY | 1.8140e-003 | 0.06   |
| tblVehicleEF | MCY | 3.7640e-003 | 0.00   |
| tblVehicleEF | MCY | 0.91        | 0.00   |
| tblVehicleEF | MCY | 0.73        | 0.00   |
| tblVehicleEF | MCY | 0.50        | 0.00   |
| tblVehicleEF | MCY | 2.24        | 0.06   |
| tblVehicleEF | MCY | 0.63        | 0.00   |
| tblVehicleEF | MCY | 2.23        | 0.00   |
| tblVehicleEF | MCY | 2.0700e-003 | 0.06   |
| tblVehicleEF | MCY | 6.9100e-004 | 0.00   |
| tblVehicleEF | MCY | 0.91        | 0.00   |
| tblVehicleEF | MCY | 0.73        | 0.00   |
| tblVehicleEF | MCY | 0.50        | 0.00   |
| tblVehicleEF | MCY | 2.77        | 0.06   |
| tblVehicleEF | MCY | 0.63        | 0.00   |
| tblVehicleEF | MCY | 2.43        | 0.00   |
| tblVehicleEF | MCY | 0.43        | 0.14   |
| tblVehicleEF | MCY | 0.14        | 0.11   |
| tblVehicleEF | MCY | 18.69       | 0.14   |
| tblVehicleEF | MCY | 8.94        | 3.95   |
| tblVehicleEF | MCY | 168.73      | 0.14   |
| tblVehicleEF | MCY | 45.97       | 112.69 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 1.02        | 0.14        |
| tblVehicleEF | MCY | 0.29        | 0.51        |
| tblVehicleEF | MCY | 0.01        | 0.14        |
| tblVehicleEF | MCY | 4.0000e-003 | 0.14        |
| tblVehicleEF | MCY | 1.9370e-003 | 0.14        |
| tblVehicleEF | MCY | 3.9880e-003 | 2.5887e-003 |
| tblVehicleEF | MCY | 5.0400e-003 | 0.14        |
| tblVehicleEF | MCY | 1.0000e-003 | 0.14        |
| tblVehicleEF | MCY | 1.8140e-003 | 0.14        |
| tblVehicleEF | MCY | 3.7640e-003 | 2.3815e-003 |
| tblVehicleEF | MCY | 2.35        | 0.51        |
| tblVehicleEF | MCY | 0.95        | 0.12        |
| tblVehicleEF | MCY | 1.36        | 0.00        |
| tblVehicleEF | MCY | 2.16        | 0.14        |
| tblVehicleEF | MCY | 0.59        | 0.31        |
| tblVehicleEF | MCY | 1.87        | 0.56        |
| tblVehicleEF | MCY | 2.0560e-003 | 0.14        |
| tblVehicleEF | MCY | 6.6100e-004 | 1.1141e-003 |
| tblVehicleEF | MCY | 2.35        | 0.51        |
| tblVehicleEF | MCY | 0.95        | 0.12        |
| tblVehicleEF | MCY | 1.36        | 0.00        |
| tblVehicleEF | MCY | 2.67        | 0.14        |
| tblVehicleEF | MCY | 0.59        | 0.31        |
| tblVehicleEF | MCY | 2.03        | 0.61        |
| tblVehicleEF | MCY | 0.46        | 0.18        |
| tblVehicleEF | MCY | 0.19        | 0.14        |
| tblVehicleEF | MCY | 20.95       | 0.18        |
| tblVehicleEF | MCY | 11.55       | 5.93        |
| tblVehicleEF | MCY | 168.73      | 0.18        |
| tblVehicleEF | MCY | 45.97       | 116.52      |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 1.24        | 0.18        |
| tblVehicleEF | MCY | 0.34        | 0.62        |
| tblVehicleEF | MCY | 0.01        | 0.18        |
| tblVehicleEF | MCY | 4.0000e-003 | 0.18        |
| tblVehicleEF | MCY | 1.9370e-003 | 0.18        |
| tblVehicleEF | MCY | 3.9880e-003 | 2.5887e-003 |
| tblVehicleEF | MCY | 5.0400e-003 | 0.18        |
| tblVehicleEF | MCY | 1.0000e-003 | 0.18        |
| tblVehicleEF | MCY | 1.8140e-003 | 0.18        |
| tblVehicleEF | MCY | 3.7640e-003 | 2.3815e-003 |
| tblVehicleEF | MCY | 0.40        | 0.36        |
| tblVehicleEF | MCY | 0.88        | 0.10        |
| tblVehicleEF | MCY | 0.19        | 0.00        |
| tblVehicleEF | MCY | 2.34        | 0.18        |
| tblVehicleEF | MCY | 0.75        | 0.30        |
| tblVehicleEF | MCY | 2.59        | 0.77        |
| tblVehicleEF | MCY | 2.0980e-003 | 0.18        |
| tblVehicleEF | MCY | 7.2500e-004 | 1.1519e-003 |
| tblVehicleEF | MCY | 0.40        | 0.36        |
| tblVehicleEF | MCY | 0.88        | 0.10        |
| tblVehicleEF | MCY | 0.19        | 0.00        |
| tblVehicleEF | MCY | 2.88        | 0.18        |
| tblVehicleEF | MCY | 0.75        | 0.30        |
| tblVehicleEF | MCY | 2.81        | 0.84        |
| tblVehicleEF | MDV | 0.01        | 5.8478e-003 |
| tblVehicleEF | MDV | 0.02        | 0.13        |
| tblVehicleEF | MDV | 1.32        | 1.32        |
| tblVehicleEF | MDV | 3.27        | 5.02        |
| tblVehicleEF | MDV | 473.55      | 441.36      |
| tblVehicleEF | MDV | 107.62      | 114.53      |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.16        | 0.17        |
| tblVehicleEF | MDV | 0.29        | 0.57        |
| tblVehicleEF | MDV | 0.04        | 9.1738e-003 |
| tblVehicleEF | MDV | 8.0000e-003 | 8.0140e-003 |
| tblVehicleEF | MDV | 1.8700e-003 | 1.7567e-003 |
| tblVehicleEF | MDV | 2.5800e-003 | 2.5869e-003 |
| tblVehicleEF | MDV | 0.02        | 3.2108e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.0035e-003 |
| tblVehicleEF | MDV | 1.7250e-003 | 1.6234e-003 |
| tblVehicleEF | MDV | 2.3740e-003 | 2.3799e-003 |
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.18        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.03        |
| tblVehicleEF | MDV | 0.11        | 0.30        |
| tblVehicleEF | MDV | 0.25        | 0.67        |
| tblVehicleEF | MDV | 4.7450e-003 | 4.3625e-003 |
| tblVehicleEF | MDV | 1.1340e-003 | 1.1322e-003 |
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.18        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.11        | 0.30        |
| tblVehicleEF | MDV | 0.28        | 0.74        |
| tblVehicleEF | MDV | 0.01        | 4.7588e-003 |
| tblVehicleEF | MDV | 0.02        | 6.5491e-003 |
| tblVehicleEF | MDV | 1.52        | 0.75        |
| tblVehicleEF | MDV | 2.59        | 0.24        |
| tblVehicleEF | MDV | 508.67      | 597.17      |
| tblVehicleEF | MDV | 107.62      | 17.39       |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.15        | 0.13        |
| tblVehicleEF | MDV | 0.26        | 0.02        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.6530e-003 |
| tblVehicleEF | MDV | 1.8700e-003 | 4.0785e-003 |
| tblVehicleEF | MDV | 2.5800e-003 | 4.9565e-004 |
| tblVehicleEF | MDV | 0.02        | 4.7670e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1633e-003 |
| tblVehicleEF | MDV | 1.7250e-003 | 3.8823e-003 |
| tblVehicleEF | MDV | 2.3740e-003 | 4.5573e-004 |
| tblVehicleEF | MDV | 0.14        | 1.34        |
| tblVehicleEF | MDV | 0.19        | 0.31        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.21        | 0.03        |
| tblVehicleEF | MDV | 5.0990e-003 | 5.8010e-003 |
| tblVehicleEF | MDV | 1.1220e-003 | 1.7188e-004 |
| tblVehicleEF | MDV | 0.14        | 1.34        |
| tblVehicleEF | MDV | 0.19        | 0.31        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.23        | 0.03        |
| tblVehicleEF | MDV | 0.01        | 4.4303e-003 |
| tblVehicleEF | MDV | 0.02        | 8.7855e-003 |
| tblVehicleEF | MDV | 1.31        | 0.69        |
| tblVehicleEF | MDV | 3.82        | 0.34        |
| tblVehicleEF | MDV | 467.76      | 594.67      |
| tblVehicleEF | MDV | 107.62      | 17.59       |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.18        | 0.15        |
| tblVehicleEF | MDV | 0.32        | 0.03        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.6530e-003 |
| tblVehicleEF | MDV | 1.8700e-003 | 4.0785e-003 |
| tblVehicleEF | MDV | 2.5800e-003 | 4.9565e-004 |
| tblVehicleEF | MDV | 0.02        | 4.7670e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1633e-003 |
| tblVehicleEF | MDV | 1.7250e-003 | 3.8823e-003 |
| tblVehicleEF | MDV | 2.3740e-003 | 4.5573e-004 |
| tblVehicleEF | MDV | 0.03        | 0.88        |
| tblVehicleEF | MDV | 0.18        | 0.26        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.03        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.29        | 0.04        |
| tblVehicleEF | MDV | 4.6870e-003 | 5.7763e-003 |
| tblVehicleEF | MDV | 1.1440e-003 | 1.7389e-004 |
| tblVehicleEF | MDV | 0.03        | 0.88        |
| tblVehicleEF | MDV | 0.18        | 0.26        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.32        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 1.2076e-003 |
| tblVehicleEF | MH  | 0.04        | 3.9958e-003 |
| tblVehicleEF | MH  | 0.03        | 8.9242e-005 |
| tblVehicleEF | MH  | 0.00        | 0.61        |
| tblVehicleEF | MH  | 2.90        | 0.36        |
| tblVehicleEF | MH  | 6.68        | 9.0190e-003 |

|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.00        | 196.24      |
| tblVehicleEF | MH | 1,223.22    | 1,202.03    |
| tblVehicleEF | MH | 59.88       | 0.07        |
| tblVehicleEF | MH | 0.00        | 1.35        |
| tblVehicleEF | MH | 1.49        | 1.83        |
| tblVehicleEF | MH | 0.92        | 1.44        |
| tblVehicleEF | MH | 0.00        | 4.4822e-003 |
| tblVehicleEF | MH | 0.13        | 0.05        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.2930e-003 | 1.2314e-006 |
| tblVehicleEF | MH | 0.00        | 4.2883e-003 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2150e-003 | 3.0000e-003 |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.1890e-003 | 1.1323e-006 |
| tblVehicleEF | MH | 0.98        | 0.12        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.03        |
| tblVehicleEF | MH | 0.33        | 0.00        |
| tblVehicleEF | MH | 0.12        | 0.06        |
| tblVehicleEF | MH | 0.02        | 7.8174e-004 |
| tblVehicleEF | MH | 0.38        | 3.9825e-004 |
| tblVehicleEF | MH | 0.00        | 1.8583e-003 |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 7.1500e-004 | 7.3364e-007 |
| tblVehicleEF | MH | 0.98        | 0.12        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.03        |
| tblVehicleEF | MH | 0.33        | 0.00        |

|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.17        | 0.07        |
| tblVehicleEF | MH | 0.02        | 7.8174e-004 |
| tblVehicleEF | MH | 0.42        | 4.3603e-004 |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.04        | 0.03        |
| tblVehicleEF | MH | 0.03        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.52        |
| tblVehicleEF | MH | 3.03        | 2.81        |
| tblVehicleEF | MH | 6.05        | 6.33        |
| tblVehicleEF | MH | 0.00        | 28.70       |
| tblVehicleEF | MH | 1,223.22    | 1,759.31    |
| tblVehicleEF | MH | 59.88       | 48.18       |
| tblVehicleEF | MH | 0.00        | 4.5613e-003 |
| tblVehicleEF | MH | 1.40        | 1.17        |
| tblVehicleEF | MH | 0.86        | 0.44        |
| tblVehicleEF | MH | 0.13        | 0.04        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.2930e-003 | 6.8829e-004 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2150e-003 | 3.1164e-003 |
| tblVehicleEF | MH | 0.03        | 0.01        |
| tblVehicleEF | MH | 1.1890e-003 | 6.3286e-004 |
| tblVehicleEF | MH | 2.22        | 0.26        |
| tblVehicleEF | MH | 0.09        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.05        |
| tblVehicleEF | MH | 0.71        | 0.00        |
| tblVehicleEF | MH | 0.13        | 0.14        |
| tblVehicleEF | MH | 0.02        | 0.38        |
| tblVehicleEF | MH | 0.36        | 0.29        |

|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.00        | 2.8377e-004 |
| tblVehicleEF | MH | 0.01        | 0.02        |
| tblVehicleEF | MH | 7.0400e-004 | 4.7633e-004 |
| tblVehicleEF | MH | 2.22        | 0.26        |
| tblVehicleEF | MH | 0.09        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.07        |
| tblVehicleEF | MH | 0.71        | 0.00        |
| tblVehicleEF | MH | 0.18        | 0.21        |
| tblVehicleEF | MH | 0.02        | 0.38        |
| tblVehicleEF | MH | 0.39        | 0.32        |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.04        | 0.02        |
| tblVehicleEF | MH | 0.03        | 0.06        |
| tblVehicleEF | MH | 0.00        | 0.98        |
| tblVehicleEF | MH | 2.80        | 2.65        |
| tblVehicleEF | MH | 7.29        | 7.39        |
| tblVehicleEF | MH | 0.00        | 25.89       |
| tblVehicleEF | MH | 1,223.22    | 1,759.01    |
| tblVehicleEF | MH | 59.88       | 49.99       |
| tblVehicleEF | MH | 0.00        | 4.1878e-003 |
| tblVehicleEF | MH | 1.54        | 1.33        |
| tblVehicleEF | MH | 0.97        | 0.50        |
| tblVehicleEF | MH | 0.13        | 0.04        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 1.2930e-003 | 6.8829e-004 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2150e-003 | 3.1164e-003 |
| tblVehicleEF | MH | 0.03        | 0.01        |
| tblVehicleEF | MH | 1.1890e-003 | 6.3286e-004 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MH  | 0.48        | 0.17        |
| tblVehicleEF | MH  | 0.10        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.05        |
| tblVehicleEF | MH  | 0.18        | 0.00        |
| tblVehicleEF | MH  | 0.12        | 0.14        |
| tblVehicleEF | MH  | 0.03        | 0.38        |
| tblVehicleEF | MH  | 0.41        | 0.32        |
| tblVehicleEF | MH  | 0.00        | 2.5594e-004 |
| tblVehicleEF | MH  | 0.01        | 0.02        |
| tblVehicleEF | MH  | 7.2600e-004 | 4.9417e-004 |
| tblVehicleEF | MH  | 0.48        | 0.17        |
| tblVehicleEF | MH  | 0.10        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.08        |
| tblVehicleEF | MH  | 0.18        | 0.00        |
| tblVehicleEF | MH  | 0.17        | 0.19        |
| tblVehicleEF | MH  | 0.03        | 0.38        |
| tblVehicleEF | MH  | 0.45        | 0.35        |
| tblVehicleEF | MHD | 0.02        | 0.04        |
| tblVehicleEF | MHD | 6.6980e-003 | 0.03        |
| tblVehicleEF | MHD | 0.06        | 0.04        |
| tblVehicleEF | MHD | 0.40        | 0.69        |
| tblVehicleEF | MHD | 0.47        | 1.78        |
| tblVehicleEF | MHD | 7.25        | 5.02        |
| tblVehicleEF | MHD | 136.73      | 57.44       |
| tblVehicleEF | MHD | 1,206.00    | 1,605.55    |
| tblVehicleEF | MHD | 62.24       | 36.28       |
| tblVehicleEF | MHD | 0.58        | 0.17        |
| tblVehicleEF | MHD | 1.63        | 1.08        |
| tblVehicleEF | MHD | 10.30       | 0.62        |
| tblVehicleEF | MHD | 8.2700e-004 | 3.2786e-004 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.13        | 0.05        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 7.2180e-003 | 0.01        |
| tblVehicleEF | MHD | 9.9100e-004 | 4.7370e-004 |
| tblVehicleEF | MHD | 7.9100e-004 | 3.1263e-004 |
| tblVehicleEF | MHD | 0.06        | 0.02        |
| tblVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tblVehicleEF | MHD | 6.8990e-003 | 0.01        |
| tblVehicleEF | MHD | 9.1100e-004 | 4.3555e-004 |
| tblVehicleEF | MHD | 1.0740e-003 | 0.13        |
| tblVehicleEF | MHD | 0.05        | 0.03        |
| tblVehicleEF | MHD | 0.03        | 0.05        |
| tblVehicleEF | MHD | 5.3000e-004 | 0.00        |
| tblVehicleEF | MHD | 0.06        | 0.10        |
| tblVehicleEF | MHD | 0.03        | 0.25        |
| tblVehicleEF | MHD | 0.43        | 0.23        |
| tblVehicleEF | MHD | 1.3170e-003 | 4.7191e-004 |
| tblVehicleEF | MHD | 0.01        | 0.02        |
| tblVehicleEF | MHD | 7.4900e-004 | 3.5867e-004 |
| tblVehicleEF | MHD | 1.0740e-003 | 0.13        |
| tblVehicleEF | MHD | 0.05        | 0.03        |
| tblVehicleEF | MHD | 0.04        | 0.09        |
| tblVehicleEF | MHD | 5.3000e-004 | 0.00        |
| tblVehicleEF | MHD | 0.08        | 0.16        |
| tblVehicleEF | MHD | 0.03        | 0.25        |
| tblVehicleEF | MHD | 0.47        | 0.25        |
| tblVehicleEF | MHD | 0.02        | 0.01        |
| tblVehicleEF | MHD | 6.8520e-003 | 8.6746e-003 |
| tblVehicleEF | MHD | 0.05        | 2.4187e-003 |
| tblVehicleEF | MHD | 0.28        | 0.58        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.48        | 0.30        |
| tblVehicleEF | MHD | 6.66        | 0.26        |
| tblVehicleEF | MHD | 144.99      | 184.40      |
| tblVehicleEF | MHD | 1,206.00    | 1,204.06    |
| tblVehicleEF | MHD | 62.24       | 2.20        |
| tblVehicleEF | MHD | 0.59        | 1.22        |
| tblVehicleEF | MHD | 1.56        | 1.72        |
| tblVehicleEF | MHD | 10.24       | 1.36        |
| tblVehicleEF | MHD | 6.9700e-004 | 3.3770e-003 |
| tblVehicleEF | MHD | 0.13        | 0.05        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 7.2180e-003 | 0.02        |
| tblVehicleEF | MHD | 9.9100e-004 | 1.9622e-005 |
| tblVehicleEF | MHD | 6.6700e-004 | 3.2306e-003 |
| tblVehicleEF | MHD | 0.06        | 0.02        |
| tblVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tblVehicleEF | MHD | 6.8990e-003 | 0.02        |
| tblVehicleEF | MHD | 9.1100e-004 | 1.8041e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.5614e-003 |
| tblVehicleEF | MHD | 0.03        | 0.03        |
| tblVehicleEF | MHD | 1.1770e-003 | 0.00        |
| tblVehicleEF | MHD | 0.06        | 0.06        |
| tblVehicleEF | MHD | 0.02        | 9.8026e-003 |
| tblVehicleEF | MHD | 0.40        | 0.01        |
| tblVehicleEF | MHD | 1.3950e-003 | 1.7191e-003 |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 7.3900e-004 | 2.1770e-005 |
| tblVehicleEF | MHD | 2.5110e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.5614e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.04        | 0.04        |
| tblVehicleEF | MHD | 1.1770e-003 | 0.00        |
| tblVehicleEF | MHD | 0.08        | 0.08        |
| tblVehicleEF | MHD | 0.02        | 9.8026e-003 |
| tblVehicleEF | MHD | 0.44        | 0.01        |
| tblVehicleEF | MHD | 0.02        | 0.01        |
| tblVehicleEF | MHD | 6.5800e-003 | 8.6239e-003 |
| tblVehicleEF | MHD | 0.06        | 2.7049e-003 |
| tblVehicleEF | MHD | 0.53        | 0.66        |
| tblVehicleEF | MHD | 0.46        | 0.29        |
| tblVehicleEF | MHD | 7.79        | 0.31        |
| tblVehicleEF | MHD | 125.70      | 183.37      |
| tblVehicleEF | MHD | 1,206.00    | 1,204.05    |
| tblVehicleEF | MHD | 62.24       | 2.29        |
| tblVehicleEF | MHD | 0.55        | 1.24        |
| tblVehicleEF | MHD | 1.66        | 1.82        |
| tblVehicleEF | MHD | 10.36       | 1.37        |
| tblVehicleEF | MHD | 1.0060e-003 | 4.8458e-003 |
| tblVehicleEF | MHD | 0.13        | 0.05        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 7.2180e-003 | 0.02        |
| tblVehicleEF | MHD | 9.9100e-004 | 1.9622e-005 |
| tblVehicleEF | MHD | 9.6300e-004 | 4.6358e-003 |
| tblVehicleEF | MHD | 0.06        | 0.02        |
| tblVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tblVehicleEF | MHD | 6.8990e-003 | 0.02        |
| tblVehicleEF | MHD | 9.1100e-004 | 1.8041e-005 |
| tblVehicleEF | MHD | 5.2400e-004 | 8.1804e-003 |
| tblVehicleEF | MHD | 0.05        | 2.1993e-003 |
| tblVehicleEF | MHD | 0.03        | 0.03        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | MHD  | 2.6600e-004 | 0.00        |
| tblVehicleEF | MHD  | 0.06        | 0.06        |
| tblVehicleEF | MHD  | 0.03        | 9.8021e-003 |
| tblVehicleEF | MHD  | 0.45        | 0.01        |
| tblVehicleEF | MHD  | 1.2130e-003 | 1.7094e-003 |
| tblVehicleEF | MHD  | 0.01        | 0.01        |
| tblVehicleEF | MHD  | 7.5800e-004 | 2.2592e-005 |
| tblVehicleEF | MHD  | 5.2400e-004 | 8.1804e-003 |
| tblVehicleEF | MHD  | 0.05        | 2.1993e-003 |
| tblVehicleEF | MHD  | 0.04        | 0.04        |
| tblVehicleEF | MHD  | 2.6600e-004 | 0.00        |
| tblVehicleEF | MHD  | 0.07        | 0.08        |
| tblVehicleEF | MHD  | 0.03        | 9.8021e-003 |
| tblVehicleEF | MHD  | 0.50        | 0.02        |
| tblVehicleEF | OBUS | 0.01        | 0.04        |
| tblVehicleEF | OBUS | 9.3020e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.03        | 4.5078e-003 |
| tblVehicleEF | OBUS | 0.28        | 1.53        |
| tblVehicleEF | OBUS | 0.58        | 0.70        |
| tblVehicleEF | OBUS | 5.50        | 0.66        |
| tblVehicleEF | OBUS | 110.36      | 185.88      |
| tblVehicleEF | OBUS | 1,314.27    | 1,048.06    |
| tblVehicleEF | OBUS | 67.24       | 3.60        |
| tblVehicleEF | OBUS | 0.58        | 1.52        |
| tblVehicleEF | OBUS | 1.90        | 3.11        |
| tblVehicleEF | OBUS | 2.86        | 0.45        |
| tblVehicleEF | OBUS | 2.0100e-004 | 1.6665e-003 |
| tblVehicleEF | OBUS | 0.13        | 0.04        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 8.9640e-003 | 0.02        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 7.5500e-004 | 3.5406e-005 |
| tblVehicleEF | OBUS | 1.9200e-004 | 1.5944e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6760e-003 |
| tblVehicleEF | OBUS | 8.5580e-003 | 0.02        |
| tblVehicleEF | OBUS | 6.9400e-004 | 3.2554e-005 |
| tblVehicleEF | OBUS | 1.1920e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2803e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.17        |
| tblVehicleEF | OBUS | 5.1400e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.08        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.35        | 0.03        |
| tblVehicleEF | OBUS | 1.0650e-003 | 1.7707e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.8855e-003 |
| tblVehicleEF | OBUS | 7.6900e-004 | 3.5610e-005 |
| tblVehicleEF | OBUS | 1.1920e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2803e-003 |
| tblVehicleEF | OBUS | 0.05        | 0.25        |
| tblVehicleEF | OBUS | 5.1400e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.09        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.38        | 0.03        |
| tblVehicleEF | OBUS | 0.01        | 0.04        |
| tblVehicleEF | OBUS | 9.5280e-003 | 0.02        |
| tblVehicleEF | OBUS | 0.03        | 3.7904e-003 |
| tblVehicleEF | OBUS | 0.27        | 1.51        |
| tblVehicleEF | OBUS | 0.60        | 0.72        |
| tblVehicleEF | OBUS | 5.02        | 0.48        |
| tblVehicleEF | OBUS | 115.93      | 189.39      |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | OBUS | 1,314.27    | 1,048.09    |
| tbIVehicleEF | OBUS | 67.24       | 3.31        |
| tbIVehicleEF | OBUS | 0.60        | 1.55        |
| tbIVehicleEF | OBUS | 1.82        | 2.98        |
| tbIVehicleEF | OBUS | 2.80        | 0.44        |
| tbIVehicleEF | OBUS | 1.6900e-004 | 1.4098e-003 |
| tbIVehicleEF | OBUS | 0.13        | 0.04        |
| tbIVehicleEF | OBUS | 0.01        | 0.01        |
| tbIVehicleEF | OBUS | 8.9640e-003 | 0.02        |
| tbIVehicleEF | OBUS | 7.5500e-004 | 3.5406e-005 |
| tbIVehicleEF | OBUS | 1.6200e-004 | 1.3487e-003 |
| tbIVehicleEF | OBUS | 0.06        | 0.02        |
| tbIVehicleEF | OBUS | 3.0000e-003 | 2.6760e-003 |
| tbIVehicleEF | OBUS | 8.5580e-003 | 0.02        |
| tbIVehicleEF | OBUS | 6.9400e-004 | 3.2554e-005 |
| tbIVehicleEF | OBUS | 2.6670e-003 | 0.03        |
| tbIVehicleEF | OBUS | 0.02        | 6.8047e-003 |
| tbIVehicleEF | OBUS | 0.04        | 0.17        |
| tbIVehicleEF | OBUS | 1.0870e-003 | 0.00        |
| tbIVehicleEF | OBUS | 0.08        | 0.06        |
| tbIVehicleEF | OBUS | 0.03        | 0.01        |
| tbIVehicleEF | OBUS | 0.32        | 0.02        |
| tbIVehicleEF | OBUS | 1.1180e-003 | 1.8039e-003 |
| tbIVehicleEF | OBUS | 0.01        | 9.8858e-003 |
| tbIVehicleEF | OBUS | 7.6100e-004 | 3.2735e-005 |
| tbIVehicleEF | OBUS | 2.6670e-003 | 0.03        |
| tbIVehicleEF | OBUS | 0.02        | 6.8047e-003 |
| tbIVehicleEF | OBUS | 0.05        | 0.25        |
| tbIVehicleEF | OBUS | 1.0870e-003 | 0.00        |
| tbIVehicleEF | OBUS | 0.09        | 0.09        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | OBUS | 0.03        | 0.01        |
| tbIVehicleEF | OBUS | 0.35        | 0.02        |
| tbIVehicleEF | OBUS | 0.01        | 0.04        |
| tbIVehicleEF | OBUS | 9.1270e-003 | 0.02        |
| tbIVehicleEF | OBUS | 0.03        | 5.1521e-003 |
| tbIVehicleEF | OBUS | 0.30        | 1.55        |
| tbIVehicleEF | OBUS | 0.57        | 0.69        |
| tbIVehicleEF | OBUS | 5.94        | 0.83        |
| tbIVehicleEF | OBUS | 102.66      | 181.03      |
| tbIVehicleEF | OBUS | 1,314.27    | 1,048.04    |
| tbIVehicleEF | OBUS | 67.24       | 3.89        |
| tbIVehicleEF | OBUS | 0.56        | 1.48        |
| tbIVehicleEF | OBUS | 1.94        | 3.17        |
| tbIVehicleEF | OBUS | 2.92        | 0.45        |
| tbIVehicleEF | OBUS | 2.4400e-004 | 2.0211e-003 |
| tbIVehicleEF | OBUS | 0.13        | 0.04        |
| tbIVehicleEF | OBUS | 0.01        | 0.01        |
| tbIVehicleEF | OBUS | 8.9640e-003 | 0.02        |
| tbIVehicleEF | OBUS | 7.5500e-004 | 3.5406e-005 |
| tbIVehicleEF | OBUS | 2.3400e-004 | 1.9336e-003 |
| tbIVehicleEF | OBUS | 0.06        | 0.02        |
| tbIVehicleEF | OBUS | 3.0000e-003 | 2.6760e-003 |
| tbIVehicleEF | OBUS | 8.5580e-003 | 0.02        |
| tbIVehicleEF | OBUS | 6.9400e-004 | 3.2554e-005 |
| tbIVehicleEF | OBUS | 6.3700e-004 | 0.02        |
| tbIVehicleEF | OBUS | 0.02        | 5.8218e-003 |
| tbIVehicleEF | OBUS | 0.04        | 0.17        |
| tbIVehicleEF | OBUS | 2.9000e-004 | 0.00        |
| tbIVehicleEF | OBUS | 0.07        | 0.06        |
| tbIVehicleEF | OBUS | 0.03        | 0.01        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.36        | 0.03        |
| tblVehicleEF | OBUS | 9.9100e-004 | 1.7248e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.8853e-003 |
| tblVehicleEF | OBUS | 7.7600e-004 | 3.8491e-005 |
| tblVehicleEF | OBUS | 6.3700e-004 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 5.8218e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.25        |
| tblVehicleEF | OBUS | 2.9000e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.09        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.01        |
| tblVehicleEF | OBUS | 0.40        | 0.03        |
| tblVehicleEF | SBUS | 0.86        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.09        | 4.3659e-003 |
| tblVehicleEF | SBUS | 8.04        | 0.18        |
| tblVehicleEF | SBUS | 1.25        | 0.25        |
| tblVehicleEF | SBUS | 10.59       | 0.46        |
| tblVehicleEF | SBUS | 1,134.67    | 38.87       |
| tblVehicleEF | SBUS | 1,066.60    | 1,087.41    |
| tblVehicleEF | SBUS | 54.09       | 3.11        |
| tblVehicleEF | SBUS | 9.77        | 0.05        |
| tblVehicleEF | SBUS | 4.41        | 0.36        |
| tblVehicleEF | SBUS | 12.56       | 0.05        |
| tblVehicleEF | SBUS | 0.01        | 1.0915e-004 |
| tblVehicleEF | SBUS | 0.74        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.03        |
| tblVehicleEF | SBUS | 0.02        | 6.7144e-003 |
| tblVehicleEF | SBUS | 8.6500e-004 | 7.8115e-006 |
| tblVehicleEF | SBUS | 0.01        | 1.0036e-004 |
| tblVehicleEF | SBUS | 0.32        | 0.04        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 2.6420e-003 | 7.6926e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4193e-003 |
| tblVehicleEF | SBUS | 7.9500e-004 | 7.1823e-006 |
| tblVehicleEF | SBUS | 3.7040e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.2925e-003 |
| tblVehicleEF | SBUS | 0.97        | 2.1627e-003 |
| tblVehicleEF | SBUS | 1.4870e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.13        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 7.5940e-003 |
| tblVehicleEF | SBUS | 0.53        | 0.02        |
| tblVehicleEF | SBUS | 0.01        | 0.00        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 7.2400e-004 | 3.0747e-005 |
| tblVehicleEF | SBUS | 3.7040e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.2925e-003 |
| tblVehicleEF | SBUS | 1.39        | 0.15        |
| tblVehicleEF | SBUS | 1.4870e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.16        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 7.5940e-003 |
| tblVehicleEF | SBUS | 0.58        | 0.02        |
| tblVehicleEF | SBUS | 0.86        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.08        | 3.9431e-003 |
| tblVehicleEF | SBUS | 7.91        | 0.18        |
| tblVehicleEF | SBUS | 1.28        | 0.25        |
| tblVehicleEF | SBUS | 7.78        | 0.39        |
| tblVehicleEF | SBUS | 1,186.23    | 38.87       |
| tblVehicleEF | SBUS | 1,066.60    | 1,087.41    |
| tblVehicleEF | SBUS | 54.09       | 2.99        |
| tblVehicleEF | SBUS | 10.08       | 0.05        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 4.22        | 0.36        |
| tblVehicleEF | SBUS | 12.50       | 0.04        |
| tblVehicleEF | SBUS | 8.8720e-003 | 1.0915e-004 |
| tblVehicleEF | SBUS | 0.74        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.03        |
| tblVehicleEF | SBUS | 0.02        | 6.7144e-003 |
| tblVehicleEF | SBUS | 8.6500e-004 | 7.8115e-006 |
| tblVehicleEF | SBUS | 8.4880e-003 | 1.0036e-004 |
| tblVehicleEF | SBUS | 0.32        | 0.04        |
| tblVehicleEF | SBUS | 2.6420e-003 | 7.6926e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4193e-003 |
| tblVehicleEF | SBUS | 7.9500e-004 | 7.1823e-006 |
| tblVehicleEF | SBUS | 8.3470e-003 | 0.02        |
| tblVehicleEF | SBUS | 0.04        | 4.7382e-003 |
| tblVehicleEF | SBUS | 0.96        | 2.1627e-003 |
| tblVehicleEF | SBUS | 3.1820e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.13        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 7.9992e-003 |
| tblVehicleEF | SBUS | 0.44        | 0.01        |
| tblVehicleEF | SBUS | 0.01        | 0.00        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 6.7700e-004 | 2.9591e-005 |
| tblVehicleEF | SBUS | 8.3470e-003 | 0.02        |
| tblVehicleEF | SBUS | 0.04        | 4.7382e-003 |
| tblVehicleEF | SBUS | 1.39        | 0.15        |
| tblVehicleEF | SBUS | 3.1820e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.16        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 7.9992e-003 |
| tblVehicleEF | SBUS | 0.48        | 0.02        |
| tblVehicleEF | SBUS | 0.86        | 0.15        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.10        | 4.7319e-003 |
| tblVehicleEF | SBUS | 8.20        | 0.18        |
| tblVehicleEF | SBUS | 1.22        | 0.25        |
| tblVehicleEF | SBUS | 13.43       | 0.53        |
| tblVehicleEF | SBUS | 1,063.46    | 38.87       |
| tblVehicleEF | SBUS | 1,066.60    | 1,087.40    |
| tblVehicleEF | SBUS | 54.09       | 3.23        |
| tblVehicleEF | SBUS | 9.34        | 0.05        |
| tblVehicleEF | SBUS | 4.50        | 0.36        |
| tblVehicleEF | SBUS | 12.61       | 0.05        |
| tblVehicleEF | SBUS | 0.01        | 1.0915e-004 |
| tblVehicleEF | SBUS | 0.74        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.03        |
| tblVehicleEF | SBUS | 0.02        | 6.7144e-003 |
| tblVehicleEF | SBUS | 8.6500e-004 | 7.8115e-006 |
| tblVehicleEF | SBUS | 0.01        | 1.0036e-004 |
| tblVehicleEF | SBUS | 0.32        | 0.04        |
| tblVehicleEF | SBUS | 2.6420e-003 | 7.6926e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4193e-003 |
| tblVehicleEF | SBUS | 7.9500e-004 | 7.1823e-006 |
| tblVehicleEF | SBUS | 1.9750e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 3.9516e-003 |
| tblVehicleEF | SBUS | 0.97        | 2.1627e-003 |
| tblVehicleEF | SBUS | 8.4200e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.12        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 7.8145e-003 |
| tblVehicleEF | SBUS | 0.60        | 0.02        |
| tblVehicleEF | SBUS | 0.01        | 0.00        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 7.7000e-004 | 3.1897e-005 |
| tblVehicleEF | SBUS | 1.9750e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 3.9516e-003 |
| tblVehicleEF | SBUS | 1.40        | 0.15        |
| tblVehicleEF | SBUS | 8.4200e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.15        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 7.8145e-003 |
| tblVehicleEF | SBUS | 0.66        | 0.02        |
| tblVehicleEF | UBUS | 0.28        | 4.25        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 5.43        | 49.03       |
| tblVehicleEF | UBUS | 8.06        | 0.00        |
| tblVehicleEF | UBUS | 2,118.14    | 1,298.95    |
| tblVehicleEF | UBUS | 94.20       | 0.00        |
| tblVehicleEF | UBUS | 11.45       | 0.06        |
| tblVehicleEF | UBUS | 15.24       | 0.00        |
| tblVehicleEF | UBUS | 0.62        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |
| tblVehicleEF | UBUS | 0.26        | 2.9496e-004 |
| tblVehicleEF | UBUS | 1.0370e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 0.04        |
| tblVehicleEF | UBUS | 3.0000e-003 | 8.1796e-003 |
| tblVehicleEF | UBUS | 0.25        | 2.8220e-004 |
| tblVehicleEF | UBUS | 9.5300e-004 | 0.00        |
| tblVehicleEF | UBUS | 2.2720e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 1.0590e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.72        | 0.06        |
| tblVehicleEF | UBUS | 8.0440e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.55        | 0.00        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 0.02        | 0.00        |
| tblVehicleEF | UBUS | 1.0850e-003 | 0.00        |
| tblVehicleEF | UBUS | 2.2720e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 1.0590e-003 | 0.00        |
| tblVehicleEF | UBUS | 1.05        | 4.33        |
| tblVehicleEF | UBUS | 8.0440e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.61        | 0.00        |
| tblVehicleEF | UBUS | 0.28        | 4.25        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 5.50        | 49.03       |
| tblVehicleEF | UBUS | 6.40        | 0.00        |
| tblVehicleEF | UBUS | 2,118.14    | 1,298.95    |
| tblVehicleEF | UBUS | 94.20       | 0.00        |
| tblVehicleEF | UBUS | 10.98       | 0.06        |
| tblVehicleEF | UBUS | 15.18       | 0.00        |
| tblVehicleEF | UBUS | 0.62        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |
| tblVehicleEF | UBUS | 0.26        | 2.9496e-004 |
| tblVehicleEF | UBUS | 1.0370e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 0.04        |
| tblVehicleEF | UBUS | 3.0000e-003 | 8.1796e-003 |
| tblVehicleEF | UBUS | 0.25        | 2.8220e-004 |
| tblVehicleEF | UBUS | 9.5300e-004 | 0.00        |
| tblVehicleEF | UBUS | 5.4590e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 2.5450e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.73        | 0.06        |
| tblVehicleEF | UBUS | 7.4030e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.48        | 0.00        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 0.02        | 0.00        |
| tblVehicleEF | UBUS | 1.0570e-003 | 0.00        |
| tblVehicleEF | UBUS | 5.4590e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 2.5450e-003 | 0.00        |
| tblVehicleEF | UBUS | 1.07        | 4.33        |
| tblVehicleEF | UBUS | 7.4030e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.53        | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 4.25        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 5.39        | 49.03       |
| tblVehicleEF | UBUS | 9.65        | 0.00        |
| tblVehicleEF | UBUS | 2,118.14    | 1,298.95    |
| tblVehicleEF | UBUS | 94.20       | 0.00        |
| tblVehicleEF | UBUS | 11.63       | 0.06        |
| tblVehicleEF | UBUS | 15.29       | 0.00        |
| tblVehicleEF | UBUS | 0.62        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |
| tblVehicleEF | UBUS | 0.26        | 2.9496e-004 |
| tblVehicleEF | UBUS | 1.0370e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 0.04        |
| tblVehicleEF | UBUS | 3.0000e-003 | 8.1796e-003 |
| tblVehicleEF | UBUS | 0.25        | 2.8220e-004 |
| tblVehicleEF | UBUS | 9.5300e-004 | 0.00        |
| tblVehicleEF | UBUS | 1.1910e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 5.3700e-004 | 0.00        |
| tblVehicleEF | UBUS | 0.71        | 0.06        |
| tblVehicleEF | UBUS | 9.8390e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.62        | 0.00        |



**Mitigated Construction**

|                | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Year           | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| 2021           | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| 2022           | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Maximum</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

|                          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2    | NBio- CO2   | Total CO2   | CH4         | N2O         | CO2e        |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Percent Reduction</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>   | <b>0.00</b>  | <b>0.00</b> | <b>0.00</b>    | <b>0.00</b>   | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> |

| Quarter | Start Date | End Date | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|----------|--|--|
|         |            | Highest  |  |  |

**2.2 Overall Operational**

**Unmitigated Operational**

|          | ROG     | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4         | N2O         | CO2e        |
|----------|---------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|-------------|-------------|
| Category | tons/yr |             |             |             |               |              |             |                |               |             | MT/yr    |             |             |             |             |             |
| Area     | 0.3445  | 2.0000e-005 | 2.4800e-003 | 0.0000      |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 | 0.0000   | 4.8100e-003 | 4.8100e-003 | 1.0000e-005 | 0.0000      | 5.1300e-003 |
| Energy   | 0.0105  | 0.0957      | 0.0804      | 5.7000e-004 |               | 7.2700e-003  | 7.2700e-003 |                | 7.2700e-003   | 7.2700e-003 | 0.0000   | 301.8440    | 301.8440    | 0.0109      | 3.7600e-003 | 303.2376    |
| Mobile   | 0.1478  | 0.2270      | 1.5016      | 3.8800e-003 | 0.3004        | 3.2600e-003  | 0.3036      | 0.0755         | 3.0700e-003   | 0.0785      | 0.0000   | 331.4398    | 331.4398    | 0.0216      | 0.0000      | 331.9809    |
| Waste    |         |             |             |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 18.6265  | 0.0000      | 18.6265     | 1.1008      | 0.0000      | 46.1462     |
| Water    |         |             |             |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 5.4290   | 26.9372     | 32.3662     | 0.5588      | 0.0134      | 50.3356     |

|              |               |               |               |                    |               |               |               |               |               |               |                |                 |                 |               |               |                 |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|-----------------|-----------------|---------------|---------------|-----------------|
| <b>Total</b> | <b>0.5029</b> | <b>0.3228</b> | <b>1.5844</b> | <b>4.4500e-003</b> | <b>0.3004</b> | <b>0.0105</b> | <b>0.3109</b> | <b>0.0755</b> | <b>0.0104</b> | <b>0.0858</b> | <b>24.0555</b> | <b>660.2258</b> | <b>684.2812</b> | <b>1.6922</b> | <b>0.0172</b> | <b>731.7054</b> |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|-----------------|-----------------|---------------|---------------|-----------------|

### Mitigated Operational

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2       | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr          |                 |                 |               |               |                 |
| Area         | 0.3445        | 2.0000e-005   | 2.4800e-003   | 0.0000             |               | 1.0000e-005   | 1.0000e-005   |                | 1.0000e-005   | 1.0000e-005   | 0.0000         | 4.8100e-003     | 4.8100e-003     | 1.0000e-005   | 0.0000        | 5.1300e-003     |
| Energy       | 0.0105        | 0.0957        | 0.0804        | 5.7000e-004        |               | 7.2700e-003   | 7.2700e-003   |                | 7.2700e-003   | 7.2700e-003   | 0.0000         | 301.8440        | 301.8440        | 0.0109        | 3.7600e-003   | 303.2376        |
| Mobile       | 0.1478        | 0.2270        | 1.5016        | 3.8800e-003        | 0.3004        | 3.2600e-003   | 0.3036        | 0.0755         | 3.0700e-003   | 0.0785        | 0.0000         | 331.4398        | 331.4398        | 0.0216        | 0.0000        | 331.9809        |
| Waste        |               |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 9.3132         | 0.0000          | 9.3132          | 0.5504        | 0.0000        | 23.0731         |
| Water        |               |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 4.3432         | 21.5497         | 25.8929         | 0.4471        | 0.0107        | 40.2685         |
| <b>Total</b> | <b>0.5029</b> | <b>0.3228</b> | <b>1.5844</b> | <b>4.4500e-003</b> | <b>0.3004</b> | <b>0.0105</b> | <b>0.3109</b> | <b>0.0755</b>  | <b>0.0104</b> | <b>0.0858</b> | <b>13.6564</b> | <b>654.8383</b> | <b>668.4948</b> | <b>1.0300</b> | <b>0.0145</b> | <b>698.5651</b> |

|                          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2     | NBio-CO2    | Total CO2   | CH4          | N2O          | CO2e        |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|--------------|-------------|-------------|--------------|--------------|-------------|
| <b>Percent Reduction</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>   | <b>0.00</b>  | <b>0.00</b> | <b>0.00</b>    | <b>0.00</b>   | <b>0.00</b> | <b>43.23</b> | <b>0.82</b> | <b>2.31</b> | <b>39.13</b> | <b>15.66</b> | <b>4.53</b> |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 9/1/2021   | 8/31/2021  | 5             | 0        |                   |
| 2            | Site Preparation      | Site Preparation      | 9/29/2021  | 9/28/2021  | 5             | 0        |                   |
| 3            | Grading               | Grading               | 10/13/2021 | 10/12/2021 | 5             | 0        |                   |
| 4            | Building Construction | Building Construction | 11/10/2021 | 11/4/2021  | 5             | 0        |                   |

|   |                       |                       |            |            |   |   |
|---|-----------------------|-----------------------|------------|------------|---|---|
| 5 | Paving                | Paving                | 9/28/2022  | 9/27/2022  | 5 | 0 |
| 6 | Architectural Coating | Architectural Coating | 10/26/2022 | 10/25/2022 | 5 | 0 |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 4.48**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 111,000; Non-Residential Outdoor: 37,000; Striped Parking Area:**

**OffRoad Equipment**

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 113.00             | 44.00              | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 23.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

### 3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 2021

#### Unmitigated Construction On-Site

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

#### Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction Off-Site**

|          | ROG     | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|---------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
| Category | tons/yr |     |    |     |               |              |            |                |               |             | MT/yr    |           |           |     |     |      |



|              |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category      | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Fugitive Dust | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Off-Road      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category      | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Fugitive Dust | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Off-Road      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction On-Site**

|          | ROG     | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|---------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
| Category | tons/yr |     |    |     |               |              |            |                |               |             | MT/yr    |           |           |     |     |      |



**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction Off-Site**





### 3.7 Architectural Coating - 2022

#### Unmitigated Construction On-Site

|                 | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category        | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Archit. Coating | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Off-Road        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>    | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

#### Unmitigated Construction Off-Site

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio-CO2      | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

#### Mitigated Construction On-Site

|                 | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category        | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Archit. Coating | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Off-Road        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b>    | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

|             | ROG     | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category    | tons/yr |        |        |             |               |              |            |                |               |             | MT/yr    |           |           |        |        |          |
| Mitigated   | 0.1478  | 0.2270 | 1.5016 | 3.8800e-003 | 0.3004        | 3.2600e-003  | 0.3036     | 0.0755         | 3.0700e-003   | 0.0785      | 0.0000   | 331.4398  | 331.4398  | 0.0216 | 0.0000 | 331.9809 |
| Unmitigated | 0.1478  | 0.2270 | 1.5016 | 3.8800e-003 | 0.3004        | 3.2600e-003  | 0.3036     | 0.0755         | 3.0700e-003   | 0.0785      | 0.0000   | 331.4398  | 331.4398  | 0.0216 | 0.0000 | 331.9809 |

#### 4.2 Trip Summary Information

| Land Use      | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|---------------|-------------------------|----------|--------|-------------|------------|
|               | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| Manufacturing | 394.42                  | 0.00     | 0.00   | 881,718     | 881,718    |
| Parking Lot   | 0.00                    | 0.00     | 0.00   |             |            |
| Total         | 394.42                  | 0.00     | 0.00   | 881,718     | 881,718    |

#### 4.3 Trip Type Information

| Land Use      | Miles      |            |             | Trip %     |            |             | Trip Purpose % |          |         |
|---------------|------------|------------|-------------|------------|------------|-------------|----------------|----------|---------|
|               | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| Manufacturing | 9.50       | 7.30       | 7.30        | 59.00      | 28.00      | 13.00       | 100            | 0        | 0       |
| Parking Lot   | 9.50       | 7.30       | 7.30        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |

#### 4.4 Fleet Mix

| Land Use      | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Manufacturing | 0.607897 | 0.037434 | 0.184004 | 0.107261 | 0.014919 | 0.004991 | 0.012447 | 0.020659 | 0.002115 | 0.001554 | 0.005334 | 0.000623 | 0.000761 |
| Parking Lot   | 0.607897 | 0.037434 | 0.184004 | 0.107261 | 0.014919 | 0.004991 | 0.012447 | 0.020659 | 0.002115 | 0.001554 | 0.005334 | 0.000623 | 0.000761 |

#### 5.0 Energy Detail

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

|                         | ROG     | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e     |
|-------------------------|---------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category                | tons/yr |        |        |             |               |              |             |                |               |             | MT/yr    |           |           |             |             |          |
| Electricity Mitigated   |         |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 197.6714  | 197.6714  | 8.9400e-003 | 1.8500e-003 | 198.4460 |
| Electricity Unmitigated |         |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 197.6714  | 197.6714  | 8.9400e-003 | 1.8500e-003 | 198.4460 |
| NaturalGas Mitigated    | 0.0105  | 0.0957 | 0.0804 | 5.7000e-004 |               | 7.2700e-003  | 7.2700e-003 |                | 7.2700e-003   | 7.2700e-003 | 0.0000   | 104.1726  | 104.1726  | 2.0000e-003 | 1.9100e-003 | 104.7916 |
| NaturalGas Unmitigated  | 0.0105  | 0.0957 | 0.0804 | 5.7000e-004 |               | 7.2700e-003  | 7.2700e-003 |                | 7.2700e-003   | 7.2700e-003 | 0.0000   | 104.1726  | 104.1726  | 2.0000e-003 | 1.9100e-003 | 104.7916 |

## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

|               | NaturalGas Use | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2       | Total CO2       | CH4                | N2O                | CO2e            |
|---------------|----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use      | kBTU/yr        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                 |                 |                    |                    |                 |
| Manufacturing | 1.95212e+006   | 0.0105        | 0.0957        | 0.0804        | 5.7000e-004        |               | 7.2700e-003        | 7.2700e-003        |                | 7.2700e-003        | 7.2700e-003        | 0.0000        | 104.1726        | 104.1726        | 2.0000e-003        | 1.9100e-003        | 104.7916        |
| Parking Lot   | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| <b>Total</b>  |                | <b>0.0105</b> | <b>0.0957</b> | <b>0.0804</b> | <b>5.7000e-004</b> |               | <b>7.2700e-003</b> | <b>7.2700e-003</b> |                | <b>7.2700e-003</b> | <b>7.2700e-003</b> | <b>0.0000</b> | <b>104.1726</b> | <b>104.1726</b> | <b>2.0000e-003</b> | <b>1.9100e-003</b> | <b>104.7916</b> |

### Mitigated

|          | NaturalGas Use | ROG     | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|----------------|---------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
| Land Use | kBTU/yr        | tons/yr |     |    |     |               |              |            |                |               |             | MT/yr    |           |           |     |     |      |

|               |              |               |               |               |                    |  |                    |                    |  |                    |                    |               |                 |                 |                    |                    |                 |
|---------------|--------------|---------------|---------------|---------------|--------------------|--|--------------------|--------------------|--|--------------------|--------------------|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Manufacturing | 1.95212e+006 | 0.0105        | 0.0957        | 0.0804        | 5.7000e-004        |  | 7.2700e-003        | 7.2700e-003        |  | 7.2700e-003        | 7.2700e-003        | 0.0000        | 104.1726        | 104.1726        | 2.0000e-003        | 1.9100e-003        | 104.7916        |
| Parking Lot   | 0            | 0.0000        | 0.0000        | 0.0000        | 0.0000             |  | 0.0000             | 0.0000             |  | 0.0000             | 0.0000             | 0.0000        | 0.0000          | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| <b>Total</b>  |              | <b>0.0105</b> | <b>0.0957</b> | <b>0.0804</b> | <b>5.7000e-004</b> |  | <b>7.2700e-003</b> | <b>7.2700e-003</b> |  | <b>7.2700e-003</b> | <b>7.2700e-003</b> | <b>0.0000</b> | <b>104.1726</b> | <b>104.1726</b> | <b>2.0000e-003</b> | <b>1.9100e-003</b> | <b>104.7916</b> |

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

|               | Electricity Use | Total CO2       | CH4                | N2O                | CO2e            |
|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use      | kWh/yr          | MT/yr           |                    |                    |                 |
| Manufacturing | 611240          | 177.8167        | 8.0400e-003        | 1.6600e-003        | 178.5135        |
| Parking Lot   | 68250           | 19.8547         | 9.0000e-004        | 1.9000e-004        | 19.9325         |
| <b>Total</b>  |                 | <b>197.6714</b> | <b>8.9400e-003</b> | <b>1.8500e-003</b> | <b>198.4460</b> |

#### Mitigated

|               | Electricity Use | Total CO2       | CH4                | N2O                | CO2e            |
|---------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use      | kWh/yr          | MT/yr           |                    |                    |                 |
| Manufacturing | 611240          | 177.8167        | 8.0400e-003        | 1.6600e-003        | 178.5135        |
| Parking Lot   | 68250           | 19.8547         | 9.0000e-004        | 1.9000e-004        | 19.9325         |
| <b>Total</b>  |                 | <b>197.6714</b> | <b>8.9400e-003</b> | <b>1.8500e-003</b> | <b>198.4460</b> |

### 6.0 Area Detail

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## 6.1 Mitigation Measures Area

|             | ROG     | NOx         | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio-CO2    | Total CO2   | CH4         | N2O    | CO2e        |
|-------------|---------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|--------|-------------|
| Category    | tons/yr |             |             |        |               |              |             |                |               |             | MT/yr    |             |             |             |        |             |
| Mitigated   | 0.3445  | 2.0000e-005 | 2.4800e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 | 0.0000   | 4.8100e-003 | 4.8100e-003 | 1.0000e-005 | 0.0000 | 5.1300e-003 |
| Unmitigated | 0.3445  | 2.0000e-005 | 2.4800e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 | 0.0000   | 4.8100e-003 | 4.8100e-003 | 1.0000e-005 | 0.0000 | 5.1300e-003 |

## 6.2 Area by SubCategory

### Unmitigated

|                       | ROG           | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio-CO2           | Total CO2          | CH4                | N2O           | CO2e               |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory           | tons/yr       |                    |                    |               |               |                    |                    |                |                    |                    | MT/yr         |                    |                    |                    |               |                    |
| Architectural Coating | 0.0427        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Consumer Products     | 0.3016        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Landscaping           | 2.3000e-004   | 2.0000e-005        | 2.4800e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        | 0.0000        | 4.8100e-003        | 4.8100e-003        | 1.0000e-005        | 0.0000        | 5.1300e-003        |
| <b>Total</b>          | <b>0.3445</b> | <b>2.0000e-005</b> | <b>2.4800e-003</b> | <b>0.0000</b> |               | <b>1.0000e-005</b> | <b>1.0000e-005</b> |                | <b>1.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>4.8100e-003</b> | <b>4.8100e-003</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>5.1300e-003</b> |

### Mitigated

|                       | ROG           | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio-CO2           | Total CO2          | CH4                | N2O           | CO2e               |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory           | tons/yr       |                    |                    |               |               |                    |                    |                |                    |                    | MT/yr         |                    |                    |                    |               |                    |
| Architectural Coating | 0.0427        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Consumer Products     | 0.3016        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Landscaping           | 2.3000e-004   | 2.0000e-005        | 2.4800e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        | 0.0000        | 4.8100e-003        | 4.8100e-003        | 1.0000e-005        | 0.0000        | 5.1300e-003        |
| <b>Total</b>          | <b>0.3445</b> | <b>2.0000e-005</b> | <b>2.4800e-003</b> | <b>0.0000</b> |               | <b>1.0000e-005</b> | <b>1.0000e-005</b> |                | <b>1.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>4.8100e-003</b> | <b>4.8100e-003</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>5.1300e-003</b> |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

|             | Total CO2 | CH4    | N2O    | CO2e    |
|-------------|-----------|--------|--------|---------|
| Category    | MT/yr     |        |        |         |
| Mitigated   | 25.8929   | 0.4471 | 0.0107 | 40.2685 |
| Unmitigated | 32.3662   | 0.5588 | 0.0134 | 50.3356 |

## 7.2 Water by Land Use

### Unmitigated

|               | Indoor/Outdoor Use | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use      | Mgal               | MT/yr          |               |               |                |
| Manufacturing | 17.1125 / 0        | 32.3662        | 0.5588        | 0.0134        | 50.3356        |
| Parking Lot   | 0 / 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| <b>Total</b>  |                    | <b>32.3662</b> | <b>0.5588</b> | <b>0.0134</b> | <b>50.3356</b> |

### Mitigated

|               | Indoor/Outdoor Use | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|--------------------|----------------|---------------|---------------|----------------|
| Land Use      | Mgal               | MT/yr          |               |               |                |
| Manufacturing | 13.69 / 0          | 25.8929        | 0.4471        | 0.0107        | 40.2685        |
| Parking Lot   | 0 / 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| <b>Total</b>  |                    | <b>25.8929</b> | <b>0.4471</b> | <b>0.0107</b> | <b>40.2685</b> |

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

Category/Year

|             | Total CO2 | CH4    | N2O    | CO2e    |
|-------------|-----------|--------|--------|---------|
|             | MT/yr     |        |        |         |
| Mitigated   | 9.3132    | 0.5504 | 0.0000 | 23.0731 |
| Unmitigated | 18.6265   | 1.1008 | 0.0000 | 46.1462 |

**8.2 Waste by Land Use**

Unmitigated

|               | Waste Disposed | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|----------------|----------------|---------------|---------------|----------------|
| Land Use      | tons           | MT/yr          |               |               |                |
| Manufacturing | 91.76          | 18.6265        | 1.1008        | 0.0000        | 46.1462        |
| Parking Lot   | 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| <b>Total</b>  |                | <b>18.6265</b> | <b>1.1008</b> | <b>0.0000</b> | <b>46.1462</b> |

Mitigated

|          | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|----------|----------------|-----------|-----|-----|------|
| Land Use | tons           | MT/yr     |     |     |      |

|               |       |               |               |               |                |
|---------------|-------|---------------|---------------|---------------|----------------|
| Manufacturing | 45.88 | 9.3132        | 0.5504        | 0.0000        | 23.0731        |
| Parking Lot   | 0     | 0.0000        | 0.0000        | 0.0000        | 0.0000         |
| <b>Total</b>  |       | <b>9.3132</b> | <b>0.5504</b> | <b>0.0000</b> | <b>23.0731</b> |

## 9.0 Operational Offroad

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| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

### Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

### User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

## 11.0 Vegetation

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1660 Old Bayshore Highway - Santa Clara County, Annual

**1660 Old Bayshore Highway  
Santa Clara County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                        | Size   | Metric   | Lot Acreage | Floor Surface Area | Population |
|----------------------------------|--------|----------|-------------|--------------------|------------|
| General Office Building          | 3.00   | 1000sqft | 0.07        | 3,000.00           | 0          |
| Unrefrigerated Warehouse-No Rail | 23.00  | 1000sqft | 0.53        | 23,000.00          | 0          |
| Parking Lot                      | 238.00 | 1000sqft | 5.46        | 238,000.00         | 0          |

**1.2 Other Project Characteristics**

|                                 |                                |                                 |       |                                  |       |
|---------------------------------|--------------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                          | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 58    |
| <b>Climate Zone</b>             | 4                              |                                 |       | <b>Operational Year</b>          | 2022  |
| <b>Utility Company</b>          | Pacific Gas & Electric Company |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 641.35                         | <b>CH4 Intensity (lb/MW hr)</b> | 0.029 | <b>N2O Intensity (lb/MW hr)</b>  | 0.006 |

**1.3 User Entered Comments & Non-Default Data**

- Project Characteristics -
- Land Use -
- Construction Phase - Per construction questionnaire
- Demolition -
- Grading -
- Vehicle Trips - Per transportation memo
- Construction Off-road Equipment Mitigation - BAAQMD rule compliance

Water Mitigation -

Waste Mitigation -

Fleet Mix - Per transportation analysis

| Table Name             | Column Name                     | Default Value | New Value |
|------------------------|---------------------------------|---------------|-----------|
| tblConstDustMitigation | CleanPavedRoadPercentReduction  | 0             | 6         |
| tblConstDustMitigation | WaterUnpavedRoadMoistureContent | 0             | 12        |
| tblConstDustMitigation | WaterUnpavedRoadVehicleSpeed    | 0             | 15        |
| tblConstructionPhase   | NumDays                         | 20.00         | 27.00     |
| tblConstructionPhase   | NumDays                         | 230.00        | 0.00      |
| tblConstructionPhase   | NumDays                         | 20.00         | 22.00     |
| tblConstructionPhase   | NumDays                         | 20.00         | 25.00     |
| tblConstructionPhase   | NumDays                         | 20.00         | 36.00     |
| tblConstructionPhase   | NumDays                         | 10.00         | 6.00      |
| tblFleetMix            | HHD                             | 0.02          | 0.00      |
| tblFleetMix            | HHD                             | 0.02          | 0.00      |
| tblFleetMix            | HHD                             | 0.02          | 0.54      |
| tblFleetMix            | LDA                             | 0.61          | 1.00      |
| tblFleetMix            | LDA                             | 0.61          | 0.00      |
| tblFleetMix            | LDA                             | 0.61          | 0.00      |
| tblFleetMix            | LDT1                            | 0.04          | 0.00      |
| tblFleetMix            | LDT1                            | 0.04          | 0.00      |
| tblFleetMix            | LDT1                            | 0.04          | 0.00      |
| tblFleetMix            | LDT2                            | 0.18          | 0.00      |
| tblFleetMix            | LDT2                            | 0.18          | 0.00      |
| tblFleetMix            | LDT2                            | 0.18          | 0.00      |
| tblFleetMix            | LHD1                            | 0.01          | 0.00      |
| tblFleetMix            | LHD1                            | 0.01          | 1.00      |
| tblFleetMix            | LHD1                            | 0.01          | 0.00      |
| tblFleetMix            | LHD2                            | 5.0070e-003   | 0.00      |
| tblFleetMix            | LHD2                            | 5.0070e-003   | 0.00      |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIFleetMix  | LHD2 | 5.0070e-003 | 0.13        |
| tbIFleetMix  | MCY  | 5.3120e-003 | 0.00        |
| tbIFleetMix  | MCY  | 5.3120e-003 | 0.00        |
| tbIFleetMix  | MCY  | 5.3120e-003 | 0.00        |
| tbIFleetMix  | MDV  | 0.11        | 0.00        |
| tbIFleetMix  | MDV  | 0.11        | 0.00        |
| tbIFleetMix  | MDV  | 0.11        | 0.00        |
| tbIFleetMix  | MH   | 7.4000e-004 | 0.00        |
| tbIFleetMix  | MH   | 7.4000e-004 | 0.00        |
| tbIFleetMix  | MH   | 7.4000e-004 | 0.00        |
| tbIFleetMix  | MHD  | 0.01        | 0.00        |
| tbIFleetMix  | MHD  | 0.01        | 0.00        |
| tbIFleetMix  | MHD  | 0.01        | 0.33        |
| tbIFleetMix  | OBUS | 2.1440e-003 | 0.00        |
| tbIFleetMix  | OBUS | 2.1440e-003 | 0.00        |
| tbIFleetMix  | OBUS | 2.1440e-003 | 0.00        |
| tbIFleetMix  | SBUS | 6.2700e-004 | 0.00        |
| tbIFleetMix  | SBUS | 6.2700e-004 | 0.00        |
| tbIFleetMix  | SBUS | 6.2700e-004 | 0.00        |
| tbIFleetMix  | UBUS | 1.5480e-003 | 0.00        |
| tbIFleetMix  | UBUS | 1.5480e-003 | 0.00        |
| tbIFleetMix  | UBUS | 1.5480e-003 | 0.00        |
| tbIVehicleEF | HHD  | 0.47        | 0.19        |
| tbIVehicleEF | HHD  | 0.06        | 0.12        |
| tbIVehicleEF | HHD  | 0.09        | 9.3059e-008 |
| tbIVehicleEF | HHD  | 2.43        | 4.66        |
| tbIVehicleEF | HHD  | 0.99        | 0.78        |
| tbIVehicleEF | HHD  | 3.63        | 4.0865e-004 |
| tbIVehicleEF | HHD  | 4,565.51    | 823.13      |
| tbIVehicleEF | HHD  | 1,620.25    | 1,586.46    |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 11.46       | 0.03        |
| tblVehicleEF | HHD | 19.86       | 4.20        |
| tblVehicleEF | HHD | 3.59        | 2.28        |
| tblVehicleEF | HHD | 19.45       | 2.27        |
| tblVehicleEF | HHD | 0.02        | 2.3172e-003 |
| tblVehicleEF | HHD | 0.06        | 0.08        |
| tblVehicleEF | HHD | 0.04        | 0.03        |
| tblVehicleEF | HHD | 0.02        | 0.03        |
| tblVehicleEF | HHD | 1.0200e-004 | 1.0586e-006 |
| tblVehicleEF | HHD | 0.02        | 2.2125e-003 |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 8.8280e-003 | 8.4017e-003 |
| tblVehicleEF | HHD | 0.01        | 0.03        |
| tblVehicleEF | HHD | 9.4000e-005 | 9.7336e-007 |
| tblVehicleEF | HHD | 9.9000e-005 | 3.1450e-004 |
| tblVehicleEF | HHD | 5.3040e-003 | 9.3541e-005 |
| tblVehicleEF | HHD | 0.62        | 0.31        |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.13        | 0.03        |
| tblVehicleEF | HHD | 4.5600e-004 | 8.4266e-004 |
| tblVehicleEF | HHD | 0.10        | 5.0557e-007 |
| tblVehicleEF | HHD | 0.04        | 7.3108e-003 |
| tblVehicleEF | HHD | 0.02        | 0.01        |
| tblVehicleEF | HHD | 1.7500e-004 | 2.8166e-007 |
| tblVehicleEF | HHD | 9.9000e-005 | 3.1450e-004 |
| tblVehicleEF | HHD | 5.3040e-003 | 9.3541e-005 |
| tblVehicleEF | HHD | 0.72        | 0.54        |
| tblVehicleEF | HHD | 6.1000e-005 | 0.00        |
| tblVehicleEF | HHD | 0.20        | 0.16        |
| tblVehicleEF | HHD | 4.5600e-004 | 8.4266e-004 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.11        | 5.5354e-007 |
| tblVehicleEF | HHD | 0.44        | 8.8359e-003 |
| tblVehicleEF | HHD | 0.06        | 8.5237e-003 |
| tblVehicleEF | HHD | 0.08        | 0.07        |
| tblVehicleEF | HHD | 1.76        | 0.21        |
| tblVehicleEF | HHD | 1.00        | 1.10        |
| tblVehicleEF | HHD | 3.34        | 2.76        |
| tblVehicleEF | HHD | 4,836.52    | 37.30       |
| tblVehicleEF | HHD | 1,620.25    | 369.58      |
| tblVehicleEF | HHD | 11.46       | 68.80       |
| tblVehicleEF | HHD | 20.50       | 0.18        |
| tblVehicleEF | HHD | 3.45        | 0.15        |
| tblVehicleEF | HHD | 19.43       | 0.35        |
| tblVehicleEF | HHD | 0.01        | 9.2515e-005 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1960e-003 |
| tblVehicleEF | HHD | 0.02        | 2.5130e-003 |
| tblVehicleEF | HHD | 1.0200e-004 | 2.1468e-003 |
| tblVehicleEF | HHD | 0.01        | 8.8309e-005 |
| tblVehicleEF | HHD | 0.03        | 3.8131e-003 |
| tblVehicleEF | HHD | 8.8280e-003 | 2.2990e-003 |
| tblVehicleEF | HHD | 0.01        | 2.3553e-003 |
| tblVehicleEF | HHD | 9.4000e-005 | 1.9740e-003 |
| tblVehicleEF | HHD | 2.2500e-004 | 0.43        |
| tblVehicleEF | HHD | 5.7050e-003 | 0.10        |
| tblVehicleEF | HHD | 0.58        | 0.01        |
| tblVehicleEF | HHD | 1.3000e-004 | 0.00        |
| tblVehicleEF | HHD | 0.13        | 0.01        |
| tblVehicleEF | HHD | 4.4300e-004 | 0.25        |
| tblVehicleEF | HHD | 0.09        | 0.30        |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.05        | 3.3117e-004 |
| tblVehicleEF | HHD | 0.02        | 3.5955e-003 |
| tblVehicleEF | HHD | 1.7000e-004 | 6.8018e-004 |
| tblVehicleEF | HHD | 2.2500e-004 | 0.43        |
| tblVehicleEF | HHD | 5.7050e-003 | 0.10        |
| tblVehicleEF | HHD | 0.67        | 0.03        |
| tblVehicleEF | HHD | 1.3000e-004 | 0.00        |
| tblVehicleEF | HHD | 0.20        | 0.02        |
| tblVehicleEF | HHD | 4.4300e-004 | 0.25        |
| tblVehicleEF | HHD | 0.10        | 0.33        |
| tblVehicleEF | HHD | 0.51        | 8.7591e-003 |
| tblVehicleEF | HHD | 0.06        | 8.2526e-003 |
| tblVehicleEF | HHD | 0.09        | 0.09        |
| tblVehicleEF | HHD | 3.34        | 0.22        |
| tblVehicleEF | HHD | 0.98        | 0.81        |
| tblVehicleEF | HHD | 3.90        | 4.12        |
| tblVehicleEF | HHD | 4,191.27    | 37.74       |
| tblVehicleEF | HHD | 1,620.25    | 344.41      |
| tblVehicleEF | HHD | 11.46       | 71.33       |
| tblVehicleEF | HHD | 18.98       | 0.20        |
| tblVehicleEF | HHD | 3.65        | 0.16        |
| tblVehicleEF | HHD | 19.47       | 0.40        |
| tblVehicleEF | HHD | 0.02        | 1.2347e-004 |
| tblVehicleEF | HHD | 0.06        | 0.01        |
| tblVehicleEF | HHD | 0.04        | 9.1960e-003 |
| tblVehicleEF | HHD | 0.02        | 2.5130e-003 |
| tblVehicleEF | HHD | 1.0200e-004 | 2.1468e-003 |
| tblVehicleEF | HHD | 0.02        | 1.1793e-004 |
| tblVehicleEF | HHD | 0.03        | 3.8131e-003 |
| tblVehicleEF | HHD | 8.8280e-003 | 2.2990e-003 |

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| tbIVehicleEF | HHD | 0.01        | 2.3553e-003 |
| tbIVehicleEF | HHD | 9.4000e-005 | 1.9740e-003 |
| tbIVehicleEF | HHD | 5.2000e-005 | 0.29        |
| tbIVehicleEF | HHD | 5.5350e-003 | 0.09        |
| tbIVehicleEF | HHD | 0.67        | 0.01        |
| tbIVehicleEF | HHD | 3.2000e-005 | 0.00        |
| tbIVehicleEF | HHD | 0.13        | 0.01        |
| tbIVehicleEF | HHD | 5.0700e-004 | 0.24        |
| tbIVehicleEF | HHD | 0.11        | 0.41        |
| tbIVehicleEF | HHD | 0.04        | 3.3532e-004 |
| tbIVehicleEF | HHD | 0.02        | 3.3466e-003 |
| tbIVehicleEF | HHD | 1.7900e-004 | 7.0521e-004 |
| tbIVehicleEF | HHD | 5.2000e-005 | 0.29        |
| tbIVehicleEF | HHD | 5.5350e-003 | 0.09        |
| tbIVehicleEF | HHD | 0.77        | 0.02        |
| tbIVehicleEF | HHD | 3.2000e-005 | 0.00        |
| tbIVehicleEF | HHD | 0.20        | 0.02        |
| tbIVehicleEF | HHD | 5.0700e-004 | 0.24        |
| tbIVehicleEF | HHD | 0.12        | 0.45        |
| tbIVehicleEF | LDA | 3.7060e-003 | 2.6232e-003 |
| tbIVehicleEF | LDA | 5.4290e-003 | 0.07        |
| tbIVehicleEF | LDA | 0.53        | 0.76        |
| tbIVehicleEF | LDA | 1.19        | 3.34        |
| tbIVehicleEF | LDA | 244.39      | 260.00      |
| tbIVehicleEF | LDA | 57.27       | 67.39       |
| tbIVehicleEF | LDA | 0.05        | 0.05        |
| tbIVehicleEF | LDA | 0.07        | 0.26        |
| tbIVehicleEF | LDA | 0.04        | 7.2324e-003 |
| tbIVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tbIVehicleEF | LDA | 1.6570e-003 | 1.2497e-003 |

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|--------------|-----|-------------|-------------|
| tbIVehicleEF | LDA | 2.2460e-003 | 2.0725e-003 |
| tbIVehicleEF | LDA | 0.02        | 2.5313e-003 |
| tbIVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tbIVehicleEF | LDA | 1.5270e-003 | 1.1492e-003 |
| tbIVehicleEF | LDA | 2.0650e-003 | 1.9057e-003 |
| tbIVehicleEF | LDA | 0.03        | 0.30        |
| tbIVehicleEF | LDA | 0.10        | 0.09        |
| tbIVehicleEF | LDA | 0.03        | 0.00        |
| tbIVehicleEF | LDA | 9.3290e-003 | 0.01        |
| tbIVehicleEF | LDA | 0.04        | 0.23        |
| tbIVehicleEF | LDA | 0.07        | 0.35        |
| tbIVehicleEF | LDA | 2.4470e-003 | 2.5704e-003 |
| tbIVehicleEF | LDA | 5.9300e-004 | 6.6621e-004 |
| tbIVehicleEF | LDA | 0.03        | 0.30        |
| tbIVehicleEF | LDA | 0.10        | 0.09        |
| tbIVehicleEF | LDA | 0.03        | 0.00        |
| tbIVehicleEF | LDA | 0.01        | 0.02        |
| tbIVehicleEF | LDA | 0.04        | 0.23        |
| tbIVehicleEF | LDA | 0.08        | 0.38        |
| tbIVehicleEF | LDA | 4.1270e-003 | 3.3503e-003 |
| tbIVehicleEF | LDA | 4.4980e-003 | 0.05        |
| tbIVehicleEF | LDA | 0.63        | 0.92        |
| tbIVehicleEF | LDA | 0.95        | 2.19        |
| tbIVehicleEF | LDA | 263.47      | 167.26      |
| tbIVehicleEF | LDA | 57.27       | 45.43       |
| tbIVehicleEF | LDA | 0.04        | 0.06        |
| tbIVehicleEF | LDA | 0.06        | 0.18        |
| tbIVehicleEF | LDA | 0.04        | 6.2696e-003 |
| tbIVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tbIVehicleEF | LDA | 1.6570e-003 | 1.2344e-003 |

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|--------------|-----|-------------|-------------|
| tbIVehicleEF | LDA | 2.2460e-003 | 1.6960e-003 |
| tbIVehicleEF | LDA | 0.02        | 2.1944e-003 |
| tbIVehicleEF | LDA | 2.0000e-003 | 2.0000e-003 |
| tbIVehicleEF | LDA | 1.5270e-003 | 1.1455e-003 |
| tbIVehicleEF | LDA | 2.0650e-003 | 1.5595e-003 |
| tbIVehicleEF | LDA | 0.07        | 0.41        |
| tbIVehicleEF | LDA | 0.11        | 0.09        |
| tbIVehicleEF | LDA | 0.05        | 0.00        |
| tbIVehicleEF | LDA | 0.01        | 0.02        |
| tbIVehicleEF | LDA | 0.04        | 0.24        |
| tbIVehicleEF | LDA | 0.06        | 0.24        |
| tbIVehicleEF | LDA | 2.6390e-003 | 1.6523e-003 |
| tbIVehicleEF | LDA | 5.8800e-004 | 4.4913e-004 |
| tbIVehicleEF | LDA | 0.07        | 0.41        |
| tbIVehicleEF | LDA | 0.11        | 0.09        |
| tbIVehicleEF | LDA | 0.05        | 0.00        |
| tbIVehicleEF | LDA | 0.02        | 0.02        |
| tbIVehicleEF | LDA | 0.04        | 0.24        |
| tbIVehicleEF | LDA | 0.07        | 0.27        |
| tbIVehicleEF | LDA | 3.6070e-003 | 3.0713e-003 |
| tbIVehicleEF | LDA | 6.1520e-003 | 0.06        |
| tbIVehicleEF | LDA | 0.52        | 0.68        |
| tbIVehicleEF | LDA | 1.40        | 3.33        |
| tbIVehicleEF | LDA | 241.25      | 154.43      |
| tbIVehicleEF | LDA | 57.27       | 47.54       |
| tbIVehicleEF | LDA | 0.05        | 0.07        |
| tbIVehicleEF | LDA | 0.08        | 0.22        |
| tbIVehicleEF | LDA | 0.04        | 6.2696e-003 |
| tbIVehicleEF | LDA | 8.0000e-003 | 8.0000e-003 |
| tbIVehicleEF | LDA | 1.6570e-003 | 1.2344e-003 |

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|--------------|------|-------------|-------------|
| tbIVehicleEF | LDA  | 2.2460e-003 | 1.6960e-003 |
| tbIVehicleEF | LDA  | 0.02        | 2.1944e-003 |
| tbIVehicleEF | LDA  | 2.0000e-003 | 2.0000e-003 |
| tbIVehicleEF | LDA  | 1.5270e-003 | 1.1455e-003 |
| tbIVehicleEF | LDA  | 2.0650e-003 | 1.5595e-003 |
| tbIVehicleEF | LDA  | 0.02        | 0.27        |
| tbIVehicleEF | LDA  | 0.10        | 0.08        |
| tbIVehicleEF | LDA  | 0.01        | 0.00        |
| tbIVehicleEF | LDA  | 9.0860e-003 | 0.01        |
| tbIVehicleEF | LDA  | 0.05        | 0.24        |
| tbIVehicleEF | LDA  | 0.08        | 0.33        |
| tbIVehicleEF | LDA  | 2.4150e-003 | 1.5254e-003 |
| tbIVehicleEF | LDA  | 5.9600e-004 | 4.7002e-004 |
| tbIVehicleEF | LDA  | 0.02        | 0.27        |
| tbIVehicleEF | LDA  | 0.10        | 0.08        |
| tbIVehicleEF | LDA  | 0.01        | 0.00        |
| tbIVehicleEF | LDA  | 0.01        | 0.02        |
| tbIVehicleEF | LDA  | 0.05        | 0.24        |
| tbIVehicleEF | LDA  | 0.09        | 0.37        |
| tbIVehicleEF | LDT1 | 8.8890e-003 | 7.6272e-003 |
| tbIVehicleEF | LDT1 | 0.01        | 0.12        |
| tbIVehicleEF | LDT1 | 1.11        | 1.66        |
| tbIVehicleEF | LDT1 | 2.58        | 5.99        |
| tbIVehicleEF | LDT1 | 302.92      | 336.46      |
| tbIVehicleEF | LDT1 | 70.29       | 88.39       |
| tbIVehicleEF | LDT1 | 0.11        | 0.16        |
| tbIVehicleEF | LDT1 | 0.14        | 0.42        |
| tbIVehicleEF | LDT1 | 0.04        | 9.2179e-003 |
| tbIVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tbIVehicleEF | LDT1 | 2.2780e-003 | 2.2119e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 3.0330e-003 | 3.2042e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.2263e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.0980e-003 | 2.0382e-003 |
| tblVehicleEF | LDT1 | 2.7890e-003 | 2.9465e-003 |
| tblVehicleEF | LDT1 | 0.09        | 0.64        |
| tblVehicleEF | LDT1 | 0.22        | 0.18        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.03        |
| tblVehicleEF | LDT1 | 0.16        | 0.52        |
| tblVehicleEF | LDT1 | 0.17        | 0.62        |
| tblVehicleEF | LDT1 | 3.0420e-003 | 3.3236e-003 |
| tblVehicleEF | LDT1 | 7.4800e-004 | 8.7382e-004 |
| tblVehicleEF | LDT1 | 0.09        | 0.64        |
| tblVehicleEF | LDT1 | 0.22        | 0.18        |
| tblVehicleEF | LDT1 | 0.07        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.05        |
| tblVehicleEF | LDT1 | 0.16        | 0.52        |
| tblVehicleEF | LDT1 | 0.19        | 0.68        |
| tblVehicleEF | LDT1 | 9.7860e-003 | 3.6446e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.08        |
| tblVehicleEF | LDT1 | 1.28        | 1.27        |
| tblVehicleEF | LDT1 | 2.02        | 3.24        |
| tblVehicleEF | LDT1 | 325.58      | 380.67      |
| tblVehicleEF | LDT1 | 70.29       | 90.36       |
| tblVehicleEF | LDT1 | 0.10        | 0.07        |
| tblVehicleEF | LDT1 | 0.13        | 0.34        |
| tblVehicleEF | LDT1 | 0.04        | 8.9226e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.2780e-003 | 1.4350e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 3.0330e-003 | 2.2377e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.0980e-003 | 1.3198e-003 |
| tblVehicleEF | LDT1 | 2.7890e-003 | 2.0575e-003 |
| tblVehicleEF | LDT1 | 0.20        | 0.41        |
| tblVehicleEF | LDT1 | 0.25        | 0.10        |
| tblVehicleEF | LDT1 | 0.14        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.14        | 0.36        |
| tblVehicleEF | LDT1 | 3.2710e-003 | 3.7633e-003 |
| tblVehicleEF | LDT1 | 7.3800e-004 | 8.9335e-004 |
| tblVehicleEF | LDT1 | 0.20        | 0.41        |
| tblVehicleEF | LDT1 | 0.25        | 0.10        |
| tblVehicleEF | LDT1 | 0.14        | 0.00        |
| tblVehicleEF | LDT1 | 0.04        | 0.02        |
| tblVehicleEF | LDT1 | 0.15        | 0.24        |
| tblVehicleEF | LDT1 | 0.15        | 0.40        |
| tblVehicleEF | LDT1 | 8.7360e-003 | 3.3147e-003 |
| tblVehicleEF | LDT1 | 0.01        | 0.10        |
| tblVehicleEF | LDT1 | 1.10        | 0.92        |
| tblVehicleEF | LDT1 | 3.03        | 4.85        |
| tblVehicleEF | LDT1 | 299.19      | 353.86      |
| tblVehicleEF | LDT1 | 70.29       | 93.36       |
| tblVehicleEF | LDT1 | 0.12        | 0.10        |
| tblVehicleEF | LDT1 | 0.16        | 0.42        |
| tblVehicleEF | LDT1 | 0.04        | 8.9226e-003 |
| tblVehicleEF | LDT1 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT1 | 2.2780e-003 | 1.4350e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 3.0330e-003 | 2.2377e-003 |
| tblVehicleEF | LDT1 | 0.02        | 3.1229e-003 |
| tblVehicleEF | LDT1 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT1 | 2.0980e-003 | 1.3198e-003 |
| tblVehicleEF | LDT1 | 2.7890e-003 | 2.0575e-003 |
| tblVehicleEF | LDT1 | 0.04        | 0.29        |
| tblVehicleEF | LDT1 | 0.24        | 0.08        |
| tblVehicleEF | LDT1 | 0.03        | 0.00        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 0.19        | 0.23        |
| tblVehicleEF | LDT1 | 0.19        | 0.50        |
| tblVehicleEF | LDT1 | 3.0040e-003 | 3.4982e-003 |
| tblVehicleEF | LDT1 | 7.5600e-004 | 9.2300e-004 |
| tblVehicleEF | LDT1 | 0.04        | 0.29        |
| tblVehicleEF | LDT1 | 0.24        | 0.08        |
| tblVehicleEF | LDT1 | 0.03        | 0.00        |
| tblVehicleEF | LDT1 | 0.03        | 0.02        |
| tblVehicleEF | LDT1 | 0.19        | 0.23        |
| tblVehicleEF | LDT1 | 0.21        | 0.54        |
| tblVehicleEF | LDT2 | 0.00        | 3.4124e-005 |
| tblVehicleEF | LDT2 | 5.4440e-003 | 3.6032e-003 |
| tblVehicleEF | LDT2 | 7.2650e-003 | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 6.0978e-003 |
| tblVehicleEF | LDT2 | 0.73        | 0.94        |
| tblVehicleEF | LDT2 | 1.56        | 3.77        |
| tblVehicleEF | LDT2 | 0.00        | 0.90        |
| tblVehicleEF | LDT2 | 344.90      | 365.79      |
| tblVehicleEF | LDT2 | 80.03       | 84.08       |
| tblVehicleEF | LDT2 | 0.00        | 0.01        |
| tblVehicleEF | LDT2 | 0.08        | 0.16        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.12        | 0.35        |
| tblVehicleEF | LDT2 | 0.00        | 1.9036e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.01        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.1409e-003 |
| tblVehicleEF | LDT2 | 1.6350e-003 | 2.9240e-003 |
| tblVehicleEF | LDT2 | 2.2540e-003 | 2.0448e-003 |
| tblVehicleEF | LDT2 | 0.00        | 1.8212e-004 |
| tblVehicleEF | LDT2 | 0.02        | 3.9624e-003 |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0352e-003 |
| tblVehicleEF | LDT2 | 1.5040e-003 | 2.7466e-003 |
| tblVehicleEF | LDT2 | 2.0730e-003 | 1.8802e-003 |
| tblVehicleEF | LDT2 | 0.04        | 0.28        |
| tblVehicleEF | LDT2 | 0.11        | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 7.3466e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.00        |
| tblVehicleEF | LDT2 | 0.01        | 0.02        |
| tblVehicleEF | LDT2 | 0.07        | 0.21        |
| tblVehicleEF | LDT2 | 0.10        | 0.40        |
| tblVehicleEF | LDT2 | 0.00        | 8.5499e-006 |
| tblVehicleEF | LDT2 | 3.4540e-003 | 3.6069e-003 |
| tblVehicleEF | LDT2 | 8.2700e-004 | 8.3118e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.28        |
| tblVehicleEF | LDT2 | 0.11        | 0.08        |
| tblVehicleEF | LDT2 | 0.00        | 8.3662e-004 |
| tblVehicleEF | LDT2 | 0.04        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.03        |
| tblVehicleEF | LDT2 | 0.07        | 0.21        |
| tblVehicleEF | LDT2 | 0.11        | 0.44        |
| tblVehicleEF | LDT2 | 0.00        | 7.6272e-003 |
| tblVehicleEF | LDT2 | 6.0500e-003 | 9.5717e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 6.0220e-003 | 0.03        |
| tblVehicleEF | LDT2 | 0.00        | 0.24        |
| tblVehicleEF | LDT2 | 0.85        | 1.19        |
| tblVehicleEF | LDT2 | 1.24        | 2.72        |
| tblVehicleEF | LDT2 | 0.00        | 7.79        |
| tblVehicleEF | LDT2 | 371.14      | 803.81      |
| tblVehicleEF | LDT2 | 80.03       | 25.77       |
| tblVehicleEF | LDT2 | 0.00        | 2.4760e-003 |
| tblVehicleEF | LDT2 | 0.07        | 0.17        |
| tblVehicleEF | LDT2 | 0.11        | 0.61        |
| tblVehicleEF | LDT2 | 0.04        | 0.07        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT2 | 1.6350e-003 | 1.8552e-003 |
| tblVehicleEF | LDT2 | 2.2540e-003 | 4.0614e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT2 | 1.5040e-003 | 1.7154e-003 |
| tblVehicleEF | LDT2 | 2.0730e-003 | 3.7343e-004 |
| tblVehicleEF | LDT2 | 0.09        | 0.25        |
| tblVehicleEF | LDT2 | 0.12        | 0.06        |
| tblVehicleEF | LDT2 | 0.00        | 0.03        |
| tblVehicleEF | LDT2 | 0.08        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.05        |
| tblVehicleEF | LDT2 | 0.07        | 0.28        |
| tblVehicleEF | LDT2 | 0.08        | 0.17        |
| tblVehicleEF | LDT2 | 0.00        | 7.7026e-005 |
| tblVehicleEF | LDT2 | 3.7180e-003 | 7.9407e-003 |
| tblVehicleEF | LDT2 | 8.2100e-004 | 2.5473e-004 |
| tblVehicleEF | LDT2 | 0.09        | 0.25        |
| tblVehicleEF | LDT2 | 0.12        | 0.06        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.00        | 0.04        |
| tblVehicleEF | LDT2 | 0.08        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.07        |
| tblVehicleEF | LDT2 | 0.07        | 0.28        |
| tblVehicleEF | LDT2 | 0.09        | 0.18        |
| tblVehicleEF | LDT2 | 0.00        | 7.5668e-003 |
| tblVehicleEF | LDT2 | 5.3000e-003 | 8.9291e-003 |
| tblVehicleEF | LDT2 | 8.2280e-003 | 0.04        |
| tblVehicleEF | LDT2 | 0.00        | 0.24        |
| tblVehicleEF | LDT2 | 0.71        | 1.11        |
| tblVehicleEF | LDT2 | 1.83        | 3.13        |
| tblVehicleEF | LDT2 | 0.00        | 7.79        |
| tblVehicleEF | LDT2 | 340.57      | 802.78      |
| tblVehicleEF | LDT2 | 80.03       | 26.48       |
| tblVehicleEF | LDT2 | 0.00        | 2.4760e-003 |
| tblVehicleEF | LDT2 | 0.08        | 0.21        |
| tblVehicleEF | LDT2 | 0.13        | 0.69        |
| tblVehicleEF | LDT2 | 0.04        | 0.07        |
| tblVehicleEF | LDT2 | 8.0000e-003 | 8.0000e-003 |
| tblVehicleEF | LDT2 | 1.6350e-003 | 1.8552e-003 |
| tblVehicleEF | LDT2 | 2.2540e-003 | 4.0614e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 2.0000e-003 | 2.0000e-003 |
| tblVehicleEF | LDT2 | 1.5040e-003 | 1.7154e-003 |
| tblVehicleEF | LDT2 | 2.0730e-003 | 3.7343e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.18        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.03        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.01        | 0.05        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.09        | 0.28        |
| tblVehicleEF | LDT2 | 0.11        | 0.19        |
| tblVehicleEF | LDT2 | 0.00        | 7.7026e-005 |
| tblVehicleEF | LDT2 | 3.4110e-003 | 7.9305e-003 |
| tblVehicleEF | LDT2 | 8.3100e-004 | 2.6182e-004 |
| tblVehicleEF | LDT2 | 0.02        | 0.18        |
| tblVehicleEF | LDT2 | 0.12        | 0.05        |
| tblVehicleEF | LDT2 | 0.00        | 0.04        |
| tblVehicleEF | LDT2 | 0.02        | 0.00        |
| tblVehicleEF | LDT2 | 0.02        | 0.07        |
| tblVehicleEF | LDT2 | 0.09        | 0.28        |
| tblVehicleEF | LDT2 | 0.12        | 0.20        |
| tblVehicleEF | LHD1 | 5.6090e-003 | 6.7430e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 0.15        | 0.22        |
| tblVehicleEF | LHD1 | 1.10        | 1.15        |
| tblVehicleEF | LHD1 | 2.75        | 2.55        |
| tblVehicleEF | LHD1 | 8.98        | 9.58        |
| tblVehicleEF | LHD1 | 696.09      | 883.93      |
| tblVehicleEF | LHD1 | 33.08       | 21.75       |
| tblVehicleEF | LHD1 | 0.07        | 0.03        |
| tblVehicleEF | LHD1 | 1.21        | 0.49        |
| tblVehicleEF | LHD1 | 1.04        | 0.57        |
| tblVehicleEF | LHD1 | 8.6100e-004 | 3.5889e-004 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.01        | 8.7793e-003 |
| tblVehicleEF | LHD1 | 0.01        | 8.9547e-003 |
| tblVehicleEF | LHD1 | 1.0070e-003 | 3.2449e-004 |
| tblVehicleEF | LHD1 | 8.2400e-004 | 3.4337e-004 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5070e-003 | 2.1948e-003 |
| tblVehicleEF | LHD1 | 0.01        | 8.5129e-003 |
| tblVehicleEF | LHD1 | 9.2600e-004 | 2.9835e-004 |
| tblVehicleEF | LHD1 | 2.7290e-003 | 0.17        |
| tblVehicleEF | LHD1 | 0.11        | 0.04        |
| tblVehicleEF | LHD1 | 0.02        | 0.03        |
| tblVehicleEF | LHD1 | 1.3770e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.12        | 0.08        |
| tblVehicleEF | LHD1 | 0.33        | 0.24        |
| tblVehicleEF | LHD1 | 0.28        | 0.15        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.3557e-005 |
| tblVehicleEF | LHD1 | 6.8380e-003 | 8.6767e-003 |
| tblVehicleEF | LHD1 | 3.8300e-004 | 2.1500e-004 |
| tblVehicleEF | LHD1 | 2.7290e-003 | 0.17        |
| tblVehicleEF | LHD1 | 0.11        | 0.04        |
| tblVehicleEF | LHD1 | 0.02        | 0.04        |
| tblVehicleEF | LHD1 | 1.3770e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.15        | 0.10        |
| tblVehicleEF | LHD1 | 0.33        | 0.24        |
| tblVehicleEF | LHD1 | 0.31        | 0.17        |
| tblVehicleEF | LHD1 | 5.6090e-003 | 2.1891e-003 |
| tblVehicleEF | LHD1 | 0.02        | 9.2129e-003 |
| tblVehicleEF | LHD1 | 0.02        | 7.8527e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.11        |
| tblVehicleEF | LHD1 | 1.13        | 0.68        |
| tblVehicleEF | LHD1 | 2.55        | 0.68        |
| tblVehicleEF | LHD1 | 8.98        | 10.41       |
| tblVehicleEF | LHD1 | 696.09      | 714.26      |
| tblVehicleEF | LHD1 | 33.08       | 6.05        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.07        | 0.13        |
| tblVehicleEF | LHD1 | 1.15        | 1.62        |
| tblVehicleEF | LHD1 | 0.97        | 0.15        |
| tblVehicleEF | LHD1 | 8.6100e-004 | 1.7226e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.01        | 0.01        |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |
| tblVehicleEF | LHD1 | 1.0070e-003 | 7.4166e-005 |
| tblVehicleEF | LHD1 | 8.2400e-004 | 1.6481e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5070e-003 | 2.8033e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.03        |
| tblVehicleEF | LHD1 | 9.2600e-004 | 6.8193e-005 |
| tblVehicleEF | LHD1 | 6.1550e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 2.8490e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.13        | 0.17        |
| tblVehicleEF | LHD1 | 0.32        | 0.06        |
| tblVehicleEF | LHD1 | 0.26        | 0.04        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.9507e-005 |
| tblVehicleEF | LHD1 | 6.8380e-003 | 6.8501e-003 |
| tblVehicleEF | LHD1 | 3.7900e-004 | 5.9816e-005 |
| tblVehicleEF | LHD1 | 6.1550e-003 | 0.06        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 2.8490e-003 | 0.00        |
| tblVehicleEF | LHD1 | 0.16        | 0.20        |
| tblVehicleEF | LHD1 | 0.32        | 0.06        |
| tblVehicleEF | LHD1 | 0.29        | 0.04        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 5.6090e-003 | 2.1740e-003 |
| tblVehicleEF | LHD1 | 0.02        | 9.1105e-003 |
| tblVehicleEF | LHD1 | 0.02        | 8.6787e-003 |
| tblVehicleEF | LHD1 | 0.15        | 0.11        |
| tblVehicleEF | LHD1 | 1.08        | 0.66        |
| tblVehicleEF | LHD1 | 2.95        | 0.79        |
| tblVehicleEF | LHD1 | 8.98        | 10.41       |
| tblVehicleEF | LHD1 | 696.09      | 714.24      |
| tblVehicleEF | LHD1 | 33.08       | 6.23        |
| tblVehicleEF | LHD1 | 0.07        | 0.13        |
| tblVehicleEF | LHD1 | 1.23        | 1.71        |
| tblVehicleEF | LHD1 | 1.10        | 0.17        |
| tblVehicleEF | LHD1 | 8.6100e-004 | 1.7226e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.01        | 0.01        |
| tblVehicleEF | LHD1 | 0.01        | 0.04        |
| tblVehicleEF | LHD1 | 1.0070e-003 | 7.4166e-005 |
| tblVehicleEF | LHD1 | 8.2400e-004 | 1.6481e-003 |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5070e-003 | 2.8033e-003 |
| tblVehicleEF | LHD1 | 0.01        | 0.03        |
| tblVehicleEF | LHD1 | 9.2600e-004 | 6.8193e-005 |
| tblVehicleEF | LHD1 | 1.3760e-003 | 0.04        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.01        |
| tblVehicleEF | LHD1 | 7.2300e-004 | 0.00        |
| tblVehicleEF | LHD1 | 0.12        | 0.17        |
| tblVehicleEF | LHD1 | 0.36        | 0.06        |
| tblVehicleEF | LHD1 | 0.29        | 0.04        |
| tblVehicleEF | LHD1 | 9.0000e-005 | 9.9507e-005 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 6.8380e-003 | 6.8499e-003 |
| tblVehicleEF | LHD1 | 3.8600e-004 | 6.1546e-005 |
| tblVehicleEF | LHD1 | 1.3760e-003 | 0.04        |
| tblVehicleEF | LHD1 | 0.12        | 0.01        |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 7.2300e-004 | 0.00        |
| tblVehicleEF | LHD1 | 0.15        | 0.20        |
| tblVehicleEF | LHD1 | 0.36        | 0.06        |
| tblVehicleEF | LHD1 | 0.32        | 0.05        |
| tblVehicleEF | LHD2 | 3.5690e-003 | 3.1695e-003 |
| tblVehicleEF | LHD2 | 8.3070e-003 | 0.11        |
| tblVehicleEF | LHD2 | 7.6510e-003 | 0.13        |
| tblVehicleEF | LHD2 | 0.12        | 0.10        |
| tblVehicleEF | LHD2 | 0.59        | 9.15        |
| tblVehicleEF | LHD2 | 1.25        | 6.10        |
| tblVehicleEF | LHD2 | 14.03       | 3.77        |
| tblVehicleEF | LHD2 | 712.64      | 482.22      |
| tblVehicleEF | LHD2 | 24.58       | 40.90       |
| tblVehicleEF | LHD2 | 0.10        | 1.0257e-003 |
| tblVehicleEF | LHD2 | 0.81        | 0.47        |
| tblVehicleEF | LHD2 | 0.48        | 0.36        |
| tblVehicleEF | LHD2 | 1.2710e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.09        | 0.04        |
| tblVehicleEF | LHD2 | 0.01        | 5.4165e-003 |
| tblVehicleEF | LHD2 | 0.01        | 1.8077e-003 |
| tblVehicleEF | LHD2 | 4.4000e-004 | 2.3860e-003 |
| tblVehicleEF | LHD2 | 1.2160e-003 | 0.00        |
| tblVehicleEF | LHD2 | 0.04        | 0.01        |
| tblVehicleEF | LHD2 | 2.6860e-003 | 1.3541e-003 |
| tblVehicleEF | LHD2 | 0.01        | 1.6835e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 4.0400e-004 | 2.2459e-003 |
| tblVehicleEF | LHD2 | 8.9800e-004 | 1.27        |
| tblVehicleEF | LHD2 | 0.03        | 2.15        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.7100e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.76        |
| tblVehicleEF | LHD2 | 0.08        | 2.34        |
| tblVehicleEF | LHD2 | 0.10        | 0.93        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 3.7254e-005 |
| tblVehicleEF | LHD2 | 6.9320e-003 | 4.7672e-003 |
| tblVehicleEF | LHD2 | 2.6800e-004 | 4.0430e-004 |
| tblVehicleEF | LHD2 | 8.9800e-004 | 1.27        |
| tblVehicleEF | LHD2 | 0.03        | 2.15        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 4.7100e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.91        |
| tblVehicleEF | LHD2 | 0.08        | 2.34        |
| tblVehicleEF | LHD2 | 0.11        | 1.02        |
| tblVehicleEF | LHD2 | 3.5690e-003 | 2.0004e-004 |
| tblVehicleEF | LHD2 | 8.4380e-003 | 0.09        |
| tblVehicleEF | LHD2 | 7.2390e-003 | 0.08        |
| tblVehicleEF | LHD2 | 0.12        | 0.04        |
| tblVehicleEF | LHD2 | 0.59        | 6.87        |
| tblVehicleEF | LHD2 | 1.17        | 3.56        |
| tblVehicleEF | LHD2 | 14.03       | 8.43        |
| tblVehicleEF | LHD2 | 712.64      | 485.27      |
| tblVehicleEF | LHD2 | 24.58       | 24.50       |
| tblVehicleEF | LHD2 | 0.10        | 0.08        |
| tblVehicleEF | LHD2 | 0.78        | 1.05        |
| tblVehicleEF | LHD2 | 0.46        | 0.07        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 1.2710e-003 | 1.1105e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 8.0575e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.4000e-004 | 1.9108e-003 |
| tblVehicleEF | LHD2 | 1.2160e-003 | 1.0625e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.02        |
| tblVehicleEF | LHD2 | 2.6860e-003 | 2.0144e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.0400e-004 | 1.8010e-003 |
| tblVehicleEF | LHD2 | 2.0260e-003 | 1.62        |
| tblVehicleEF | LHD2 | 0.04        | 1.90        |
| tblVehicleEF | LHD2 | 0.01        | 4.3068e-003 |
| tblVehicleEF | LHD2 | 9.7700e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.65        |
| tblVehicleEF | LHD2 | 0.08        | 1.91        |
| tblVehicleEF | LHD2 | 0.10        | 0.61        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 7.9905e-005 |
| tblVehicleEF | LHD2 | 6.9320e-003 | 4.6363e-003 |
| tblVehicleEF | LHD2 | 2.6700e-004 | 2.4222e-004 |
| tblVehicleEF | LHD2 | 2.0260e-003 | 1.62        |
| tblVehicleEF | LHD2 | 0.04        | 1.90        |
| tblVehicleEF | LHD2 | 0.02        | 4.9030e-003 |
| tblVehicleEF | LHD2 | 9.7700e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.77        |
| tblVehicleEF | LHD2 | 0.08        | 1.91        |
| tblVehicleEF | LHD2 | 0.11        | 0.66        |
| tblVehicleEF | LHD2 | 3.5690e-003 | 2.0004e-004 |
| tblVehicleEF | LHD2 | 8.2040e-003 | 0.09        |
| tblVehicleEF | LHD2 | 8.0090e-003 | 0.11        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.12        | 0.04        |
| tblVehicleEF | LHD2 | 0.58        | 7.20        |
| tblVehicleEF | LHD2 | 1.34        | 4.71        |
| tblVehicleEF | LHD2 | 14.03       | 8.43        |
| tblVehicleEF | LHD2 | 712.64      | 485.90      |
| tblVehicleEF | LHD2 | 24.58       | 27.15       |
| tblVehicleEF | LHD2 | 0.10        | 0.08        |
| tblVehicleEF | LHD2 | 0.83        | 1.14        |
| tblVehicleEF | LHD2 | 0.51        | 0.08        |
| tblVehicleEF | LHD2 | 1.2710e-003 | 1.1105e-003 |
| tblVehicleEF | LHD2 | 0.09        | 0.05        |
| tblVehicleEF | LHD2 | 0.01        | 8.0575e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.4000e-004 | 1.9108e-003 |
| tblVehicleEF | LHD2 | 1.2160e-003 | 1.0625e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.02        |
| tblVehicleEF | LHD2 | 2.6860e-003 | 2.0144e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.02        |
| tblVehicleEF | LHD2 | 4.0400e-004 | 1.8010e-003 |
| tblVehicleEF | LHD2 | 4.5700e-004 | 0.89        |
| tblVehicleEF | LHD2 | 0.04        | 1.69        |
| tblVehicleEF | LHD2 | 0.01        | 4.3068e-003 |
| tblVehicleEF | LHD2 | 2.4900e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.11        | 0.68        |
| tblVehicleEF | LHD2 | 0.09        | 2.05        |
| tblVehicleEF | LHD2 | 0.11        | 0.85        |
| tblVehicleEF | LHD2 | 1.3700e-004 | 7.9905e-005 |
| tblVehicleEF | LHD2 | 6.9320e-003 | 4.6425e-003 |
| tblVehicleEF | LHD2 | 2.7000e-004 | 2.6836e-004 |
| tblVehicleEF | LHD2 | 4.5700e-004 | 0.89        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.04        | 1.69        |
| tblVehicleEF | LHD2 | 0.02        | 4.9030e-003 |
| tblVehicleEF | LHD2 | 2.4900e-004 | 0.00        |
| tblVehicleEF | LHD2 | 0.13        | 0.80        |
| tblVehicleEF | LHD2 | 0.09        | 2.05        |
| tblVehicleEF | LHD2 | 0.12        | 0.93        |
| tblVehicleEF | MCY  | 0.44        | 0.06        |
| tblVehicleEF | MCY  | 0.16        | 0.00        |
| tblVehicleEF | MCY  | 19.05       | 0.06        |
| tblVehicleEF | MCY  | 10.16       | 0.00        |
| tblVehicleEF | MCY  | 169.25      | 0.06        |
| tblVehicleEF | MCY  | 45.57       | 0.00        |
| tblVehicleEF | MCY  | 1.15        | 0.06        |
| tblVehicleEF | MCY  | 0.32        | 0.00        |
| tblVehicleEF | MCY  | 0.01        | 0.06        |
| tblVehicleEF | MCY  | 4.0000e-003 | 0.06        |
| tblVehicleEF | MCY  | 1.9790e-003 | 0.06        |
| tblVehicleEF | MCY  | 3.9070e-003 | 0.00        |
| tblVehicleEF | MCY  | 5.0400e-003 | 0.06        |
| tblVehicleEF | MCY  | 1.0000e-003 | 0.06        |
| tblVehicleEF | MCY  | 1.8510e-003 | 0.06        |
| tblVehicleEF | MCY  | 3.6840e-003 | 0.00        |
| tblVehicleEF | MCY  | 0.91        | 0.00        |
| tblVehicleEF | MCY  | 0.71        | 0.00        |
| tblVehicleEF | MCY  | 0.50        | 0.00        |
| tblVehicleEF | MCY  | 2.22        | 0.06        |
| tblVehicleEF | MCY  | 0.62        | 0.00        |
| tblVehicleEF | MCY  | 2.21        | 0.00        |
| tblVehicleEF | MCY  | 2.0690e-003 | 0.06        |
| tblVehicleEF | MCY  | 6.8700e-004 | 0.00        |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 0.91        | 0.00        |
| tblVehicleEF | MCY | 0.71        | 0.00        |
| tblVehicleEF | MCY | 0.50        | 0.00        |
| tblVehicleEF | MCY | 2.75        | 0.06        |
| tblVehicleEF | MCY | 0.62        | 0.00        |
| tblVehicleEF | MCY | 2.41        | 0.00        |
| tblVehicleEF | MCY | 0.43        | 0.12        |
| tblVehicleEF | MCY | 0.14        | 0.10        |
| tblVehicleEF | MCY | 18.37       | 0.12        |
| tblVehicleEF | MCY | 8.94        | 3.65        |
| tblVehicleEF | MCY | 169.25      | 0.12        |
| tblVehicleEF | MCY | 45.57       | 110.22      |
| tblVehicleEF | MCY | 1.01        | 0.12        |
| tblVehicleEF | MCY | 0.29        | 0.46        |
| tblVehicleEF | MCY | 0.01        | 0.12        |
| tblVehicleEF | MCY | 4.0000e-003 | 0.12        |
| tblVehicleEF | MCY | 1.9790e-003 | 0.12        |
| tblVehicleEF | MCY | 3.9070e-003 | 2.4524e-003 |
| tblVehicleEF | MCY | 5.0400e-003 | 0.12        |
| tblVehicleEF | MCY | 1.0000e-003 | 0.12        |
| tblVehicleEF | MCY | 1.8510e-003 | 0.12        |
| tblVehicleEF | MCY | 3.6840e-003 | 2.2552e-003 |
| tblVehicleEF | MCY | 2.34        | 0.50        |
| tblVehicleEF | MCY | 0.94        | 0.11        |
| tblVehicleEF | MCY | 1.35        | 0.00        |
| tblVehicleEF | MCY | 2.14        | 0.12        |
| tblVehicleEF | MCY | 0.58        | 0.30        |
| tblVehicleEF | MCY | 1.86        | 0.51        |
| tblVehicleEF | MCY | 2.0550e-003 | 0.12        |
| tblVehicleEF | MCY | 6.5600e-004 | 1.0897e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 2.34        | 0.50        |
| tblVehicleEF | MCY | 0.94        | 0.11        |
| tblVehicleEF | MCY | 1.35        | 0.00        |
| tblVehicleEF | MCY | 2.65        | 0.12        |
| tblVehicleEF | MCY | 0.58        | 0.30        |
| tblVehicleEF | MCY | 2.02        | 0.56        |
| tblVehicleEF | MCY | 0.46        | 0.15        |
| tblVehicleEF | MCY | 0.19        | 0.13        |
| tblVehicleEF | MCY | 20.53       | 0.15        |
| tblVehicleEF | MCY | 11.58       | 5.49        |
| tblVehicleEF | MCY | 169.25      | 0.15        |
| tblVehicleEF | MCY | 45.57       | 113.77      |
| tblVehicleEF | MCY | 1.23        | 0.15        |
| tblVehicleEF | MCY | 0.34        | 0.56        |
| tblVehicleEF | MCY | 0.01        | 0.15        |
| tblVehicleEF | MCY | 4.0000e-003 | 0.15        |
| tblVehicleEF | MCY | 1.9790e-003 | 0.15        |
| tblVehicleEF | MCY | 3.9070e-003 | 2.4524e-003 |
| tblVehicleEF | MCY | 5.0400e-003 | 0.15        |
| tblVehicleEF | MCY | 1.0000e-003 | 0.15        |
| tblVehicleEF | MCY | 1.8510e-003 | 0.15        |
| tblVehicleEF | MCY | 3.6840e-003 | 2.2552e-003 |
| tblVehicleEF | MCY | 0.39        | 0.36        |
| tblVehicleEF | MCY | 0.86        | 0.10        |
| tblVehicleEF | MCY | 0.19        | 0.00        |
| tblVehicleEF | MCY | 2.31        | 0.15        |
| tblVehicleEF | MCY | 0.73        | 0.30        |
| tblVehicleEF | MCY | 2.56        | 0.70        |
| tblVehicleEF | MCY | 2.0950e-003 | 0.15        |
| tblVehicleEF | MCY | 7.2100e-004 | 1.1247e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 0.39        | 0.36        |
| tblVehicleEF | MCY | 0.86        | 0.10        |
| tblVehicleEF | MCY | 0.19        | 0.00        |
| tblVehicleEF | MCY | 2.86        | 0.15        |
| tblVehicleEF | MCY | 0.73        | 0.30        |
| tblVehicleEF | MCY | 2.79        | 0.76        |
| tblVehicleEF | MDV | 0.01        | 4.9691e-003 |
| tblVehicleEF | MDV | 0.02        | 0.12        |
| tblVehicleEF | MDV | 1.16        | 1.16        |
| tblVehicleEF | MDV | 2.96        | 4.64        |
| tblVehicleEF | MDV | 459.29      | 431.66      |
| tblVehicleEF | MDV | 104.69      | 111.61      |
| tblVehicleEF | MDV | 0.15        | 0.14        |
| tblVehicleEF | MDV | 0.26        | 0.51        |
| tblVehicleEF | MDV | 0.04        | 9.1312e-003 |
| tblVehicleEF | MDV | 8.0000e-003 | 8.0139e-003 |
| tblVehicleEF | MDV | 1.8300e-003 | 1.6547e-003 |
| tblVehicleEF | MDV | 2.5220e-003 | 2.4459e-003 |
| tblVehicleEF | MDV | 0.02        | 3.1959e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.0035e-003 |
| tblVehicleEF | MDV | 1.6870e-003 | 1.5287e-003 |
| tblVehicleEF | MDV | 2.3200e-003 | 2.2492e-003 |
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.17        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.02        |
| tblVehicleEF | MDV | 0.11        | 0.29        |
| tblVehicleEF | MDV | 0.23        | 0.61        |
| tblVehicleEF | MDV | 4.6000e-003 | 4.2667e-003 |
| tblVehicleEF | MDV | 1.0990e-003 | 1.1034e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.06        | 0.38        |
| tblVehicleEF | MDV | 0.17        | 0.11        |
| tblVehicleEF | MDV | 0.06        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.11        | 0.29        |
| tblVehicleEF | MDV | 0.25        | 0.67        |
| tblVehicleEF | MDV | 0.01        | 3.5409e-003 |
| tblVehicleEF | MDV | 0.01        | 6.9478e-003 |
| tblVehicleEF | MDV | 1.35        | 0.56        |
| tblVehicleEF | MDV | 2.34        | 0.24        |
| tblVehicleEF | MDV | 493.32      | 521.37      |
| tblVehicleEF | MDV | 104.69      | 18.58       |
| tblVehicleEF | MDV | 0.13        | 0.10        |
| tblVehicleEF | MDV | 0.23        | 0.02        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.5577e-003 |
| tblVehicleEF | MDV | 1.8300e-003 | 3.4381e-003 |
| tblVehicleEF | MDV | 2.5220e-003 | 4.7785e-004 |
| tblVehicleEF | MDV | 0.02        | 4.3289e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1394e-003 |
| tblVehicleEF | MDV | 1.6870e-003 | 3.2726e-003 |
| tblVehicleEF | MDV | 2.3200e-003 | 4.3936e-004 |
| tblVehicleEF | MDV | 0.14        | 1.03        |
| tblVehicleEF | MDV | 0.19        | 0.23        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.02        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.19        | 0.03        |
| tblVehicleEF | MDV | 4.9430e-003 | 5.0647e-003 |
| tblVehicleEF | MDV | 1.0880e-003 | 1.8364e-004 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.14        | 1.03        |
| tblVehicleEF | MDV | 0.19        | 0.23        |
| tblVehicleEF | MDV | 0.12        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.10        | 0.01        |
| tblVehicleEF | MDV | 0.20        | 0.03        |
| tblVehicleEF | MDV | 0.01        | 3.3062e-003 |
| tblVehicleEF | MDV | 0.02        | 9.3589e-003 |
| tblVehicleEF | MDV | 1.14        | 0.51        |
| tblVehicleEF | MDV | 3.46        | 0.35        |
| tblVehicleEF | MDV | 453.68      | 518.66      |
| tblVehicleEF | MDV | 104.69      | 18.79       |
| tblVehicleEF | MDV | 0.16        | 0.11        |
| tblVehicleEF | MDV | 0.28        | 0.03        |
| tblVehicleEF | MDV | 0.04        | 0.01        |
| tblVehicleEF | MDV | 8.0000e-003 | 8.5577e-003 |
| tblVehicleEF | MDV | 1.8300e-003 | 3.4381e-003 |
| tblVehicleEF | MDV | 2.5220e-003 | 4.7785e-004 |
| tblVehicleEF | MDV | 0.02        | 4.3289e-003 |
| tblVehicleEF | MDV | 2.0000e-003 | 2.1394e-003 |
| tblVehicleEF | MDV | 1.6870e-003 | 3.2726e-003 |
| tblVehicleEF | MDV | 2.3200e-003 | 4.3936e-004 |
| tblVehicleEF | MDV | 0.03        | 0.69        |
| tblVehicleEF | MDV | 0.18        | 0.20        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.03        | 0.02        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.26        | 0.04        |
| tblVehicleEF | MDV | 4.5430e-003 | 5.0379e-003 |
| tblVehicleEF | MDV | 1.1080e-003 | 1.8577e-004 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.03        | 0.69        |
| tblVehicleEF | MDV | 0.18        | 0.20        |
| tblVehicleEF | MDV | 0.03        | 0.00        |
| tblVehicleEF | MDV | 0.04        | 0.03        |
| tblVehicleEF | MDV | 0.13        | 0.01        |
| tblVehicleEF | MDV | 0.28        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 1.1241e-003 |
| tblVehicleEF | MH  | 0.03        | 3.4119e-003 |
| tblVehicleEF | MH  | 0.03        | 8.3660e-005 |
| tblVehicleEF | MH  | 0.00        | 0.61        |
| tblVehicleEF | MH  | 2.40        | 0.30        |
| tblVehicleEF | MH  | 6.10        | 8.2263e-003 |
| tblVehicleEF | MH  | 0.00        | 194.86      |
| tblVehicleEF | MH  | 1,217.52    | 1,198.74    |
| tblVehicleEF | MH  | 59.35       | 0.07        |
| tblVehicleEF | MH  | 0.00        | 1.28        |
| tblVehicleEF | MH  | 1.39        | 1.67        |
| tblVehicleEF | MH  | 0.86        | 1.48        |
| tblVehicleEF | MH  | 0.00        | 3.7544e-003 |
| tblVehicleEF | MH  | 0.13        | 0.05        |
| tblVehicleEF | MH  | 0.01        | 0.01        |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 1.2090e-003 | 1.0909e-006 |
| tblVehicleEF | MH  | 0.00        | 3.5919e-003 |
| tblVehicleEF | MH  | 0.06        | 0.02        |
| tblVehicleEF | MH  | 3.2170e-003 | 3.0000e-003 |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 1.1120e-003 | 1.0031e-006 |
| tblVehicleEF | MH  | 0.89        | 0.11        |
| tblVehicleEF | MH  | 0.08        | 0.03        |

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|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.00        | 0.02        |
| tblVehicleEF | MH | 0.31        | 0.00        |
| tblVehicleEF | MH | 0.11        | 0.05        |
| tblVehicleEF | MH | 0.02        | 7.0148e-004 |
| tblVehicleEF | MH | 0.35        | 3.6663e-004 |
| tblVehicleEF | MH | 0.00        | 1.8452e-003 |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 7.0000e-004 | 6.9092e-007 |
| tblVehicleEF | MH | 0.89        | 0.11        |
| tblVehicleEF | MH | 0.08        | 0.03        |
| tblVehicleEF | MH | 0.00        | 0.03        |
| tblVehicleEF | MH | 0.31        | 0.00        |
| tblVehicleEF | MH | 0.15        | 0.06        |
| tblVehicleEF | MH | 0.02        | 7.0148e-004 |
| tblVehicleEF | MH | 0.38        | 4.0141e-004 |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.04        | 0.02        |
| tblVehicleEF | MH | 0.02        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.52        |
| tblVehicleEF | MH | 2.51        | 2.26        |
| tblVehicleEF | MH | 5.53        | 5.97        |
| tblVehicleEF | MH | 0.00        | 28.41       |
| tblVehicleEF | MH | 1,217.52    | 1,733.30    |
| tblVehicleEF | MH | 59.35       | 47.17       |
| tblVehicleEF | MH | 0.00        | 4.5741e-003 |
| tblVehicleEF | MH | 1.30        | 1.04        |
| tblVehicleEF | MH | 0.80        | 0.43        |
| tblVehicleEF | MH | 0.13        | 0.04        |
| tblVehicleEF | MH | 0.01        | 0.01        |
| tblVehicleEF | MH | 0.02        | 0.01        |

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|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 1.2090e-003 | 6.4295e-004 |
| tblVehicleEF | MH | 0.06        | 0.02        |
| tblVehicleEF | MH | 3.2170e-003 | 3.1167e-003 |
| tblVehicleEF | MH | 0.02        | 0.01        |
| tblVehicleEF | MH | 1.1120e-003 | 5.9117e-004 |
| tblVehicleEF | MH | 2.02        | 0.23        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.05        |
| tblVehicleEF | MH | 0.65        | 0.00        |
| tblVehicleEF | MH | 0.11        | 0.12        |
| tblVehicleEF | MH | 0.02        | 0.35        |
| tblVehicleEF | MH | 0.32        | 0.27        |
| tblVehicleEF | MH | 0.00        | 2.8087e-004 |
| tblVehicleEF | MH | 0.01        | 0.02        |
| tblVehicleEF | MH | 6.9000e-004 | 4.6630e-004 |
| tblVehicleEF | MH | 2.02        | 0.23        |
| tblVehicleEF | MH | 0.08        | 0.04        |
| tblVehicleEF | MH | 0.00        | 0.07        |
| tblVehicleEF | MH | 0.65        | 0.00        |
| tblVehicleEF | MH | 0.15        | 0.17        |
| tblVehicleEF | MH | 0.02        | 0.35        |
| tblVehicleEF | MH | 0.36        | 0.30        |
| tblVehicleEF | MH | 0.00        | 0.01        |
| tblVehicleEF | MH | 0.03        | 0.02        |
| tblVehicleEF | MH | 0.03        | 0.05        |
| tblVehicleEF | MH | 0.00        | 0.98        |
| tblVehicleEF | MH | 2.33        | 2.13        |
| tblVehicleEF | MH | 6.65        | 6.97        |
| tblVehicleEF | MH | 0.00        | 25.64       |
| tblVehicleEF | MH | 1,217.52    | 1,733.06    |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MH  | 59.35       | 48.87       |
| tblVehicleEF | MH  | 0.00        | 4.1996e-003 |
| tblVehicleEF | MH  | 1.43        | 1.17        |
| tblVehicleEF | MH  | 0.91        | 0.49        |
| tblVehicleEF | MH  | 0.13        | 0.04        |
| tblVehicleEF | MH  | 0.01        | 0.01        |
| tblVehicleEF | MH  | 0.02        | 0.01        |
| tblVehicleEF | MH  | 1.2090e-003 | 6.4295e-004 |
| tblVehicleEF | MH  | 0.06        | 0.02        |
| tblVehicleEF | MH  | 3.2170e-003 | 3.1167e-003 |
| tblVehicleEF | MH  | 0.02        | 0.01        |
| tblVehicleEF | MH  | 1.1120e-003 | 5.9117e-004 |
| tblVehicleEF | MH  | 0.44        | 0.15        |
| tblVehicleEF | MH  | 0.09        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.05        |
| tblVehicleEF | MH  | 0.17        | 0.00        |
| tblVehicleEF | MH  | 0.10        | 0.11        |
| tblVehicleEF | MH  | 0.02        | 0.34        |
| tblVehicleEF | MH  | 0.37        | 0.31        |
| tblVehicleEF | MH  | 0.00        | 2.5344e-004 |
| tblVehicleEF | MH  | 0.01        | 0.02        |
| tblVehicleEF | MH  | 7.0900e-004 | 4.8310e-004 |
| tblVehicleEF | MH  | 0.44        | 0.15        |
| tblVehicleEF | MH  | 0.09        | 0.04        |
| tblVehicleEF | MH  | 0.00        | 0.08        |
| tblVehicleEF | MH  | 0.17        | 0.00        |
| tblVehicleEF | MH  | 0.14        | 0.16        |
| tblVehicleEF | MH  | 0.02        | 0.34        |
| tblVehicleEF | MH  | 0.40        | 0.34        |
| tblVehicleEF | MHD | 0.02        | 0.04        |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 5.7650e-003 | 0.03        |
| tblVehicleEF | MHD | 0.05        | 0.04        |
| tblVehicleEF | MHD | 0.40        | 0.69        |
| tblVehicleEF | MHD | 0.42        | 1.48        |
| tblVehicleEF | MHD | 6.48        | 4.73        |
| tblVehicleEF | MHD | 137.16      | 58.10       |
| tblVehicleEF | MHD | 1,201.31    | 1,588.14    |
| tblVehicleEF | MHD | 61.41       | 35.35       |
| tblVehicleEF | MHD | 0.54        | 0.16        |
| tblVehicleEF | MHD | 1.54        | 0.95        |
| tblVehicleEF | MHD | 10.30       | 0.63        |
| tblVehicleEF | MHD | 7.6500e-004 | 2.0694e-004 |
| tblVehicleEF | MHD | 0.13        | 0.05        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 6.5420e-003 | 9.7614e-003 |
| tblVehicleEF | MHD | 9.3800e-004 | 4.4424e-004 |
| tblVehicleEF | MHD | 7.3200e-004 | 1.9682e-004 |
| tblVehicleEF | MHD | 0.06        | 0.02        |
| tblVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tblVehicleEF | MHD | 6.2530e-003 | 9.3075e-003 |
| tblVehicleEF | MHD | 8.6200e-004 | 4.0846e-004 |
| tblVehicleEF | MHD | 9.7300e-004 | 0.13        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 0.03        | 0.05        |
| tblVehicleEF | MHD | 4.9200e-004 | 0.00        |
| tblVehicleEF | MHD | 0.06        | 0.08        |
| tblVehicleEF | MHD | 0.02        | 0.23        |
| tblVehicleEF | MHD | 0.38        | 0.22        |
| tblVehicleEF | MHD | 1.3210e-003 | 4.7079e-004 |
| tblVehicleEF | MHD | 0.01        | 0.02        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 7.2700e-004 | 3.4947e-004 |
| tblVehicleEF | MHD | 9.7300e-004 | 0.13        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 0.04        | 0.10        |
| tblVehicleEF | MHD | 4.9200e-004 | 0.00        |
| tblVehicleEF | MHD | 0.07        | 0.13        |
| tblVehicleEF | MHD | 0.02        | 0.23        |
| tblVehicleEF | MHD | 0.42        | 0.24        |
| tblVehicleEF | MHD | 0.02        | 0.01        |
| tblVehicleEF | MHD | 5.8860e-003 | 8.5730e-003 |
| tblVehicleEF | MHD | 0.05        | 2.3174e-003 |
| tblVehicleEF | MHD | 0.27        | 0.58        |
| tblVehicleEF | MHD | 0.43        | 0.27        |
| tblVehicleEF | MHD | 5.95        | 0.25        |
| tblVehicleEF | MHD | 145.45      | 183.12      |
| tblVehicleEF | MHD | 1,201.31    | 1,199.68    |
| tblVehicleEF | MHD | 61.41       | 2.12        |
| tblVehicleEF | MHD | 0.56        | 1.15        |
| tblVehicleEF | MHD | 1.48        | 1.57        |
| tblVehicleEF | MHD | 10.24       | 1.40        |
| tblVehicleEF | MHD | 6.4500e-004 | 2.8125e-003 |
| tblVehicleEF | MHD | 0.13        | 0.05        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 6.5420e-003 | 0.02        |
| tblVehicleEF | MHD | 9.3800e-004 | 1.9182e-005 |
| tblVehicleEF | MHD | 6.1700e-004 | 2.6904e-003 |
| tblVehicleEF | MHD | 0.06        | 0.02        |
| tblVehicleEF | MHD | 3.0000e-003 | 3.0000e-003 |
| tblVehicleEF | MHD | 6.2530e-003 | 0.02        |
| tblVehicleEF | MHD | 8.6200e-004 | 1.7637e-005 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 2.2570e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.4453e-003 |
| tblVehicleEF | MHD | 0.03        | 0.03        |
| tblVehicleEF | MHD | 1.0760e-003 | 0.00        |
| tblVehicleEF | MHD | 0.06        | 0.05        |
| tblVehicleEF | MHD | 0.02        | 9.8020e-003 |
| tblVehicleEF | MHD | 0.36        | 0.01        |
| tblVehicleEF | MHD | 1.3990e-003 | 1.7048e-003 |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 7.1800e-004 | 2.0936e-005 |
| tblVehicleEF | MHD | 2.2570e-003 | 0.01        |
| tblVehicleEF | MHD | 0.05        | 2.4453e-003 |
| tblVehicleEF | MHD | 0.04        | 0.04        |
| tblVehicleEF | MHD | 1.0760e-003 | 0.00        |
| tblVehicleEF | MHD | 0.07        | 0.07        |
| tblVehicleEF | MHD | 0.02        | 9.8020e-003 |
| tblVehicleEF | MHD | 0.39        | 0.01        |
| tblVehicleEF | MHD | 0.02        | 0.01        |
| tblVehicleEF | MHD | 5.6730e-003 | 8.5281e-003 |
| tblVehicleEF | MHD | 0.05        | 2.5910e-003 |
| tblVehicleEF | MHD | 0.52        | 0.65        |
| tblVehicleEF | MHD | 0.41        | 0.26        |
| tblVehicleEF | MHD | 6.96        | 0.30        |
| tblVehicleEF | MHD | 126.09      | 182.95      |
| tblVehicleEF | MHD | 1,201.31    | 1,199.67    |
| tblVehicleEF | MHD | 61.41       | 2.20        |
| tblVehicleEF | MHD | 0.52        | 1.19        |
| tblVehicleEF | MHD | 1.57        | 1.66        |
| tblVehicleEF | MHD | 10.35       | 1.40        |
| tblVehicleEF | MHD | 9.3100e-004 | 4.0302e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | MHD  | 0.13        | 0.05        |
| tbIVehicleEF | MHD  | 0.01        | 0.01        |
| tbIVehicleEF | MHD  | 6.5420e-003 | 0.02        |
| tbIVehicleEF | MHD  | 9.3800e-004 | 1.9182e-005 |
| tbIVehicleEF | MHD  | 8.9100e-004 | 3.8555e-003 |
| tbIVehicleEF | MHD  | 0.06        | 0.02        |
| tbIVehicleEF | MHD  | 3.0000e-003 | 3.0000e-003 |
| tbIVehicleEF | MHD  | 6.2530e-003 | 0.02        |
| tbIVehicleEF | MHD  | 8.6200e-004 | 1.7637e-005 |
| tbIVehicleEF | MHD  | 4.8000e-004 | 8.2395e-003 |
| tbIVehicleEF | MHD  | 0.05        | 2.1030e-003 |
| tbIVehicleEF | MHD  | 0.03        | 0.03        |
| tbIVehicleEF | MHD  | 2.5000e-004 | 0.00        |
| tbIVehicleEF | MHD  | 0.06        | 0.05        |
| tbIVehicleEF | MHD  | 0.03        | 9.8036e-003 |
| tbIVehicleEF | MHD  | 0.40        | 0.01        |
| tbIVehicleEF | MHD  | 1.2170e-003 | 1.7032e-003 |
| tbIVehicleEF | MHD  | 0.01        | 0.01        |
| tbIVehicleEF | MHD  | 7.3500e-004 | 2.1718e-005 |
| tbIVehicleEF | MHD  | 4.8000e-004 | 8.2395e-003 |
| tbIVehicleEF | MHD  | 0.05        | 2.1030e-003 |
| tbIVehicleEF | MHD  | 0.04        | 0.04        |
| tbIVehicleEF | MHD  | 2.5000e-004 | 0.00        |
| tbIVehicleEF | MHD  | 0.07        | 0.07        |
| tbIVehicleEF | MHD  | 0.03        | 9.8036e-003 |
| tbIVehicleEF | MHD  | 0.44        | 0.02        |
| tbIVehicleEF | OBUS | 0.01        | 0.04        |
| tbIVehicleEF | OBUS | 8.1680e-003 | 0.02        |
| tbIVehicleEF | OBUS | 0.03        | 4.6636e-003 |
| tbIVehicleEF | OBUS | 0.28        | 1.57        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tbIVehicleEF | OBUS | 0.52        | 0.69        |
| tbIVehicleEF | OBUS | 5.20        | 0.67        |
| tbIVehicleEF | OBUS | 110.09      | 186.13      |
| tbIVehicleEF | OBUS | 1,307.90    | 1,039.49    |
| tbIVehicleEF | OBUS | 66.90       | 3.69        |
| tbIVehicleEF | OBUS | 0.51        | 1.49        |
| tbIVehicleEF | OBUS | 1.73        | 2.93        |
| tbIVehicleEF | OBUS | 2.82        | 0.46        |
| tbIVehicleEF | OBUS | 1.1200e-004 | 1.5419e-003 |
| tbIVehicleEF | OBUS | 0.13        | 0.04        |
| tbIVehicleEF | OBUS | 0.01        | 0.01        |
| tbIVehicleEF | OBUS | 7.6290e-003 | 0.02        |
| tbIVehicleEF | OBUS | 7.7800e-004 | 3.7333e-005 |
| tbIVehicleEF | OBUS | 1.0700e-004 | 1.4751e-003 |
| tbIVehicleEF | OBUS | 0.06        | 0.02        |
| tbIVehicleEF | OBUS | 3.0000e-003 | 2.6651e-003 |
| tbIVehicleEF | OBUS | 7.2800e-003 | 0.01        |
| tbIVehicleEF | OBUS | 7.1600e-004 | 3.4326e-005 |
| tbIVehicleEF | OBUS | 1.1690e-003 | 0.02        |
| tbIVehicleEF | OBUS | 0.02        | 6.7644e-003 |
| tbIVehicleEF | OBUS | 0.04        | 0.18        |
| tbIVehicleEF | OBUS | 5.1000e-004 | 0.00        |
| tbIVehicleEF | OBUS | 0.07        | 0.06        |
| tbIVehicleEF | OBUS | 0.03        | 0.02        |
| tbIVehicleEF | OBUS | 0.32        | 0.03        |
| tbIVehicleEF | OBUS | 1.0620e-003 | 1.7729e-003 |
| tbIVehicleEF | OBUS | 0.01        | 9.7959e-003 |
| tbIVehicleEF | OBUS | 7.6000e-004 | 3.6464e-005 |
| tbIVehicleEF | OBUS | 1.1690e-003 | 0.02        |
| tbIVehicleEF | OBUS | 0.02        | 6.7644e-003 |

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|--------------|------|-------------|-------------|
| tbIVehicleEF | OBUS | 0.05        | 0.26        |
| tbIVehicleEF | OBUS | 5.1000e-004 | 0.00        |
| tbIVehicleEF | OBUS | 0.08        | 0.09        |
| tbIVehicleEF | OBUS | 0.03        | 0.02        |
| tbIVehicleEF | OBUS | 0.36        | 0.03        |
| tbIVehicleEF | OBUS | 0.01        | 0.04        |
| tbIVehicleEF | OBUS | 8.3570e-003 | 0.02        |
| tbIVehicleEF | OBUS | 0.02        | 3.9216e-003 |
| tbIVehicleEF | OBUS | 0.26        | 1.56        |
| tbIVehicleEF | OBUS | 0.53        | 0.71        |
| tbIVehicleEF | OBUS | 4.74        | 0.49        |
| tbIVehicleEF | OBUS | 115.66      | 189.45      |
| tbIVehicleEF | OBUS | 1,307.90    | 1,039.52    |
| tbIVehicleEF | OBUS | 66.90       | 3.39        |
| tbIVehicleEF | OBUS | 0.52        | 1.51        |
| tbIVehicleEF | OBUS | 1.65        | 2.81        |
| tbIVehicleEF | OBUS | 2.77        | 0.46        |
| tbIVehicleEF | OBUS | 9.4000e-005 | 1.3049e-003 |
| tbIVehicleEF | OBUS | 0.13        | 0.04        |
| tbIVehicleEF | OBUS | 0.01        | 0.01        |
| tbIVehicleEF | OBUS | 7.6290e-003 | 0.02        |
| tbIVehicleEF | OBUS | 7.7800e-004 | 3.7333e-005 |
| tbIVehicleEF | OBUS | 9.0000e-005 | 1.2483e-003 |
| tbIVehicleEF | OBUS | 0.06        | 0.02        |
| tbIVehicleEF | OBUS | 3.0000e-003 | 2.6651e-003 |
| tbIVehicleEF | OBUS | 7.2800e-003 | 0.01        |
| tbIVehicleEF | OBUS | 7.1600e-004 | 3.4326e-005 |
| tbIVehicleEF | OBUS | 2.6050e-003 | 0.03        |
| tbIVehicleEF | OBUS | 0.02        | 7.3058e-003 |
| tbIVehicleEF | OBUS | 0.04        | 0.18        |

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|--------------|------|-------------|-------------|
| tbIVehicleEF | OBUS | 1.0690e-003 | 0.00        |
| tbIVehicleEF | OBUS | 0.07        | 0.06        |
| tbIVehicleEF | OBUS | 0.03        | 0.02        |
| tbIVehicleEF | OBUS | 0.30        | 0.02        |
| tbIVehicleEF | OBUS | 1.1150e-003 | 1.8043e-003 |
| tbIVehicleEF | OBUS | 0.01        | 9.7962e-003 |
| tbIVehicleEF | OBUS | 7.5200e-004 | 3.3540e-005 |
| tbIVehicleEF | OBUS | 2.6050e-003 | 0.03        |
| tbIVehicleEF | OBUS | 0.02        | 7.3058e-003 |
| tbIVehicleEF | OBUS | 0.05        | 0.26        |
| tbIVehicleEF | OBUS | 1.0690e-003 | 0.00        |
| tbIVehicleEF | OBUS | 0.09        | 0.09        |
| tbIVehicleEF | OBUS | 0.03        | 0.02        |
| tbIVehicleEF | OBUS | 0.33        | 0.02        |
| tbIVehicleEF | OBUS | 0.01        | 0.04        |
| tbIVehicleEF | OBUS | 8.0220e-003 | 0.02        |
| tbIVehicleEF | OBUS | 0.03        | 5.3301e-003 |
| tbIVehicleEF | OBUS | 0.30        | 1.60        |
| tbIVehicleEF | OBUS | 0.52        | 0.68        |
| tbIVehicleEF | OBUS | 5.61        | 0.85        |
| tbIVehicleEF | OBUS | 102.41      | 181.55      |
| tbIVehicleEF | OBUS | 1,307.90    | 1,039.47    |
| tbIVehicleEF | OBUS | 66.90       | 3.98        |
| tbIVehicleEF | OBUS | 0.48        | 1.45        |
| tbIVehicleEF | OBUS | 1.76        | 2.98        |
| tbIVehicleEF | OBUS | 2.87        | 0.47        |
| tbIVehicleEF | OBUS | 1.3600e-004 | 1.8693e-003 |
| tbIVehicleEF | OBUS | 0.13        | 0.04        |
| tbIVehicleEF | OBUS | 0.01        | 0.01        |
| tbIVehicleEF | OBUS | 7.6290e-003 | 0.02        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 7.7800e-004 | 3.7333e-005 |
| tblVehicleEF | OBUS | 1.3000e-004 | 1.7883e-003 |
| tblVehicleEF | OBUS | 0.06        | 0.02        |
| tblVehicleEF | OBUS | 3.0000e-003 | 2.6651e-003 |
| tblVehicleEF | OBUS | 7.2800e-003 | 0.01        |
| tblVehicleEF | OBUS | 7.1600e-004 | 3.4326e-005 |
| tblVehicleEF | OBUS | 6.2900e-004 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2776e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.18        |
| tblVehicleEF | OBUS | 2.8900e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.07        | 0.06        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.34        | 0.03        |
| tblVehicleEF | OBUS | 9.8900e-004 | 1.7295e-003 |
| tblVehicleEF | OBUS | 0.01        | 9.7957e-003 |
| tblVehicleEF | OBUS | 7.6700e-004 | 3.9393e-005 |
| tblVehicleEF | OBUS | 6.2900e-004 | 0.02        |
| tblVehicleEF | OBUS | 0.02        | 6.2776e-003 |
| tblVehicleEF | OBUS | 0.05        | 0.26        |
| tblVehicleEF | OBUS | 2.8900e-004 | 0.00        |
| tblVehicleEF | OBUS | 0.08        | 0.09        |
| tblVehicleEF | OBUS | 0.03        | 0.02        |
| tblVehicleEF | OBUS | 0.37        | 0.03        |
| tblVehicleEF | SBUS | 0.84        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.08        | 4.3356e-003 |
| tblVehicleEF | SBUS | 8.09        | 0.19        |
| tblVehicleEF | SBUS | 1.13        | 0.25        |
| tblVehicleEF | SBUS | 10.09       | 0.45        |
| tblVehicleEF | SBUS | 1,121.96    | 40.26       |

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|--------------|------|-------------|-------------|
| tbIVehicleEF | SBUS | 1,059.05    | 1,087.52    |
| tbIVehicleEF | SBUS | 55.12       | 3.08        |
| tbIVehicleEF | SBUS | 9.12        | 0.05        |
| tbIVehicleEF | SBUS | 4.06        | 0.36        |
| tbIVehicleEF | SBUS | 12.31       | 0.05        |
| tbIVehicleEF | SBUS | 9.2300e-003 | 1.1638e-004 |
| tbIVehicleEF | SBUS | 0.74        | 0.11        |
| tbIVehicleEF | SBUS | 0.01        | 0.03        |
| tbIVehicleEF | SBUS | 0.02        | 6.7133e-003 |
| tbIVehicleEF | SBUS | 8.8200e-004 | 7.7856e-006 |
| tbIVehicleEF | SBUS | 8.8300e-003 | 1.0701e-004 |
| tbIVehicleEF | SBUS | 0.32        | 0.04        |
| tbIVehicleEF | SBUS | 2.6340e-003 | 7.6909e-003 |
| tbIVehicleEF | SBUS | 0.02        | 6.4182e-003 |
| tbIVehicleEF | SBUS | 8.1100e-004 | 7.1586e-006 |
| tbIVehicleEF | SBUS | 3.5670e-003 | 0.02        |
| tbIVehicleEF | SBUS | 0.04        | 5.2295e-003 |
| tbIVehicleEF | SBUS | 0.96        | 2.2104e-003 |
| tbIVehicleEF | SBUS | 1.4850e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.12        | 0.06        |
| tbIVehicleEF | SBUS | 0.02        | 0.01        |
| tbIVehicleEF | SBUS | 0.50        | 0.02        |
| tbIVehicleEF | SBUS | 0.01        | 0.00        |
| tbIVehicleEF | SBUS | 0.01        | 0.01        |
| tbIVehicleEF | SBUS | 7.2500e-004 | 3.0452e-005 |
| tbIVehicleEF | SBUS | 3.5670e-003 | 0.02        |
| tbIVehicleEF | SBUS | 0.04        | 5.2295e-003 |
| tbIVehicleEF | SBUS | 1.39        | 0.16        |
| tbIVehicleEF | SBUS | 1.4850e-003 | 0.00        |
| tbIVehicleEF | SBUS | 0.15        | 0.11        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.55        | 0.02        |
| tblVehicleEF | SBUS | 0.84        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.07        | 3.9163e-003 |
| tblVehicleEF | SBUS | 7.98        | 0.19        |
| tblVehicleEF | SBUS | 1.16        | 0.25        |
| tblVehicleEF | SBUS | 7.41        | 0.38        |
| tblVehicleEF | SBUS | 1,172.47    | 40.26       |
| tblVehicleEF | SBUS | 1,059.05    | 1,087.53    |
| tblVehicleEF | SBUS | 55.12       | 2.97        |
| tblVehicleEF | SBUS | 9.41        | 0.05        |
| tblVehicleEF | SBUS | 3.88        | 0.36        |
| tblVehicleEF | SBUS | 12.26       | 0.04        |
| tblVehicleEF | SBUS | 7.7810e-003 | 1.1638e-004 |
| tblVehicleEF | SBUS | 0.74        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.03        |
| tblVehicleEF | SBUS | 0.02        | 6.7133e-003 |
| tblVehicleEF | SBUS | 8.8200e-004 | 7.7856e-006 |
| tblVehicleEF | SBUS | 7.4440e-003 | 1.0701e-004 |
| tblVehicleEF | SBUS | 0.32        | 0.04        |
| tblVehicleEF | SBUS | 2.6340e-003 | 7.6909e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4182e-003 |
| tblVehicleEF | SBUS | 8.1100e-004 | 7.1586e-006 |
| tblVehicleEF | SBUS | 7.9710e-003 | 0.03        |
| tblVehicleEF | SBUS | 0.04        | 5.7119e-003 |
| tblVehicleEF | SBUS | 0.96        | 2.2104e-003 |
| tblVehicleEF | SBUS | 3.1320e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.12        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 0.42        | 0.01        |
| tblVehicleEF | SBUS | 0.01        | 0.00        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 6.8000e-004 | 2.9323e-005 |
| tblVehicleEF | SBUS | 7.9710e-003 | 0.03        |
| tblVehicleEF | SBUS | 0.04        | 5.7119e-003 |
| tblVehicleEF | SBUS | 1.39        | 0.16        |
| tblVehicleEF | SBUS | 3.1320e-003 | 0.00        |
| tblVehicleEF | SBUS | 0.15        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.46        | 0.02        |
| tblVehicleEF | SBUS | 0.84        | 0.15        |
| tblVehicleEF | SBUS | 0.02        | 0.04        |
| tblVehicleEF | SBUS | 0.10        | 4.6986e-003 |
| tblVehicleEF | SBUS | 8.25        | 0.19        |
| tblVehicleEF | SBUS | 1.11        | 0.25        |
| tblVehicleEF | SBUS | 12.78       | 0.52        |
| tblVehicleEF | SBUS | 1,052.22    | 40.26       |
| tblVehicleEF | SBUS | 1,059.05    | 1,087.52    |
| tblVehicleEF | SBUS | 55.12       | 3.19        |
| tblVehicleEF | SBUS | 8.72        | 0.05        |
| tblVehicleEF | SBUS | 4.13        | 0.36        |
| tblVehicleEF | SBUS | 12.36       | 0.05        |
| tblVehicleEF | SBUS | 0.01        | 1.1638e-004 |
| tblVehicleEF | SBUS | 0.74        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.03        |
| tblVehicleEF | SBUS | 0.02        | 6.7133e-003 |
| tblVehicleEF | SBUS | 8.8200e-004 | 7.7856e-006 |
| tblVehicleEF | SBUS | 0.01        | 1.0701e-004 |
| tblVehicleEF | SBUS | 0.32        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 2.6340e-003 | 7.6909e-003 |
| tblVehicleEF | SBUS | 0.02        | 6.4182e-003 |
| tblVehicleEF | SBUS | 8.1100e-004 | 7.1586e-006 |
| tblVehicleEF | SBUS | 1.9250e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.8325e-003 |
| tblVehicleEF | SBUS | 0.97        | 2.2104e-003 |
| tblVehicleEF | SBUS | 8.4800e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.12        | 0.06        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.02        |
| tblVehicleEF | SBUS | 0.01        | 0.00        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 7.7000e-004 | 3.1576e-005 |
| tblVehicleEF | SBUS | 1.9250e-003 | 0.01        |
| tblVehicleEF | SBUS | 0.04        | 4.8325e-003 |
| tblVehicleEF | SBUS | 1.40        | 0.16        |
| tblVehicleEF | SBUS | 8.4800e-004 | 0.00        |
| tblVehicleEF | SBUS | 0.14        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.62        | 0.02        |
| tblVehicleEF | UBUS | 0.27        | 4.25        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 5.18        | 49.04       |
| tblVehicleEF | UBUS | 8.16        | 0.00        |
| tblVehicleEF | UBUS | 2,092.55    | 1,299.04    |
| tblVehicleEF | UBUS | 99.16       | 0.00        |
| tblVehicleEF | UBUS | 10.44       | 0.06        |
| tblVehicleEF | UBUS | 14.91       | 0.00        |
| tblVehicleEF | UBUS | 0.61        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 0.23        | 2.9499e-004 |
| tblVehicleEF | UBUS | 1.1060e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.26        | 0.04        |
| tblVehicleEF | UBUS | 3.0000e-003 | 8.1807e-003 |
| tblVehicleEF | UBUS | 0.22        | 2.8223e-004 |
| tblVehicleEF | UBUS | 1.0170e-003 | 0.00        |
| tblVehicleEF | UBUS | 2.3350e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 1.1130e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.66        | 0.06        |
| tblVehicleEF | UBUS | 8.3620e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.57        | 0.00        |
| tblVehicleEF | UBUS | 0.02        | 0.00        |
| tblVehicleEF | UBUS | 1.1370e-003 | 0.00        |
| tblVehicleEF | UBUS | 2.3350e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 1.1130e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.99        | 4.33        |
| tblVehicleEF | UBUS | 8.3620e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.63        | 0.00        |
| tblVehicleEF | UBUS | 0.28        | 4.25        |
| tblVehicleEF | UBUS | 0.04        | 0.00        |
| tblVehicleEF | UBUS | 5.24        | 49.04       |
| tblVehicleEF | UBUS | 6.48        | 0.00        |
| tblVehicleEF | UBUS | 2,092.55    | 1,299.04    |
| tblVehicleEF | UBUS | 99.16       | 0.00        |
| tblVehicleEF | UBUS | 10.01       | 0.06        |
| tblVehicleEF | UBUS | 14.84       | 0.00        |
| tblVehicleEF | UBUS | 0.61        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 0.23        | 2.9499e-004 |
| tblVehicleEF | UBUS | 1.1060e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.26        | 0.04        |
| tblVehicleEF | UBUS | 3.0000e-003 | 8.1807e-003 |
| tblVehicleEF | UBUS | 0.22        | 2.8223e-004 |
| tblVehicleEF | UBUS | 1.0170e-003 | 0.00        |
| tblVehicleEF | UBUS | 5.5790e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 2.6370e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.67        | 0.06        |
| tblVehicleEF | UBUS | 7.6840e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.50        | 0.00        |
| tblVehicleEF | UBUS | 0.02        | 0.00        |
| tblVehicleEF | UBUS | 1.1080e-003 | 0.00        |
| tblVehicleEF | UBUS | 5.5790e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 2.6370e-003 | 0.00        |
| tblVehicleEF | UBUS | 1.00        | 4.33        |
| tblVehicleEF | UBUS | 7.6840e-003 | 0.00        |
| tblVehicleEF | UBUS | 0.54        | 0.00        |
| tblVehicleEF | UBUS | 0.27        | 4.25        |
| tblVehicleEF | UBUS | 0.05        | 0.00        |
| tblVehicleEF | UBUS | 5.14        | 49.04       |
| tblVehicleEF | UBUS | 9.75        | 0.00        |
| tblVehicleEF | UBUS | 2,092.55    | 1,299.04    |
| tblVehicleEF | UBUS | 99.16       | 0.00        |
| tblVehicleEF | UBUS | 10.61       | 0.06        |
| tblVehicleEF | UBUS | 14.96       | 0.00        |
| tblVehicleEF | UBUS | 0.61        | 0.11        |
| tblVehicleEF | UBUS | 0.01        | 0.03        |

|                 |         |             |             |
|-----------------|---------|-------------|-------------|
| tblVehicleEF    | UBUS    | 0.23        | 2.9499e-004 |
| tblVehicleEF    | UBUS    | 1.1060e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 0.26        | 0.04        |
| tblVehicleEF    | UBUS    | 3.0000e-003 | 8.1807e-003 |
| tblVehicleEF    | UBUS    | 0.22        | 2.8223e-004 |
| tblVehicleEF    | UBUS    | 1.0170e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 1.2330e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 0.05        | 0.00        |
| tblVehicleEF    | UBUS    | 5.7300e-004 | 0.00        |
| tblVehicleEF    | UBUS    | 0.65        | 0.06        |
| tblVehicleEF    | UBUS    | 0.01        | 0.00        |
| tblVehicleEF    | UBUS    | 0.64        | 0.00        |
| tblVehicleEF    | UBUS    | 0.02        | 0.00        |
| tblVehicleEF    | UBUS    | 1.1640e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 1.2330e-003 | 0.00        |
| tblVehicleEF    | UBUS    | 0.05        | 0.00        |
| tblVehicleEF    | UBUS    | 5.7300e-004 | 0.00        |
| tblVehicleEF    | UBUS    | 0.98        | 4.33        |
| tblVehicleEF    | UBUS    | 0.01        | 0.00        |
| tblVehicleEF    | UBUS    | 0.70        | 0.00        |
| tblVehicleTrips | CC_TTP  | 48.00       | 0.00        |
| tblVehicleTrips | CNW_TTP | 19.00       | 0.00        |
| tblVehicleTrips | CNW_TTP | 0.00        | 100.00      |
| tblVehicleTrips | CNW_TTP | 41.00       | 100.00      |
| tblVehicleTrips | CW_TTP  | 33.00       | 100.00      |
| tblVehicleTrips | CW_TTP  | 59.00       | 0.00        |
| tblVehicleTrips | DV_TP   | 19.00       | 0.00        |
| tblVehicleTrips | DV_TP   | 5.00        | 0.00        |
| tblVehicleTrips | PB_TP   | 4.00        | 0.00        |
| tblVehicleTrips | PB_TP   | 3.00        | 0.00        |

|                 |       |       |        |
|-----------------|-------|-------|--------|
| tblVehicleTrips | PR_TP | 77.00 | 100.00 |
| tblVehicleTrips | PR_TP | 0.00  | 100.00 |
| tblVehicleTrips | PR_TP | 92.00 | 100.00 |
| tblVehicleTrips | ST_TR | 2.46  | 129.30 |
| tblVehicleTrips | ST_TR | 0.00  | 0.72   |
| tblVehicleTrips | ST_TR | 1.68  | 0.61   |
| tblVehicleTrips | SU_TR | 1.05  | 129.30 |
| tblVehicleTrips | SU_TR | 0.00  | 0.72   |
| tblVehicleTrips | SU_TR | 1.68  | 0.61   |
| tblVehicleTrips | WD_TR | 11.03 | 129.30 |
| tblVehicleTrips | WD_TR | 0.00  | 0.72   |
| tblVehicleTrips | WD_TR | 1.68  | 0.61   |

## 2.0 Emissions Summary

### 2.1 Overall Construction

#### Unmitigated Construction

|                | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year           | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| 2021           | 0.2958        | 1.0479        | 0.8069        | 1.4900e-003        | 0.1635        | 0.0510        | 0.2145        | 0.0771         | 0.0471        | 0.1242        | 0.0000        | 131.1920        | 131.1920        | 0.0363        | 0.0000        | 132.0997        |
| 2022           | 7.7000e-004   | 5.5800e-003   | 7.4500e-003   | 1.0000e-005        | 6.0000e-005   | 2.8000e-004   | 3.4000e-004   | 2.0000e-005    | 2.6000e-004   | 2.8000e-004   | 0.0000        | 1.0488          | 1.0488          | 3.2000e-004   | 0.0000        | 1.0570          |
| <b>Maximum</b> | <b>0.2958</b> | <b>1.0479</b> | <b>0.8069</b> | <b>1.4900e-003</b> | <b>0.1635</b> | <b>0.0510</b> | <b>0.2145</b> | <b>0.0771</b>  | <b>0.0471</b> | <b>0.1242</b> | <b>0.0000</b> | <b>131.1920</b> | <b>131.1920</b> | <b>0.0363</b> | <b>0.0000</b> | <b>132.0997</b> |

#### Mitigated Construction

|                | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|----------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Year           | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| 2021           | 0.2958        | 1.0479        | 0.8069        | 1.4900e-003        | 0.0747        | 0.0510        | 0.1256        | 0.0342         | 0.0471        | 0.0814        | 0.0000        | 131.1919        | 131.1919        | 0.0363        | 0.0000        | 132.0995        |
| 2022           | 7.7000e-004   | 5.5800e-003   | 7.4500e-003   | 1.0000e-005        | 6.0000e-005   | 2.8000e-004   | 3.4000e-004   | 2.0000e-005    | 2.6000e-004   | 2.8000e-004   | 0.0000        | 1.0488          | 1.0488          | 3.2000e-004   | 0.0000        | 1.0570          |
| <b>Maximum</b> | <b>0.2958</b> | <b>1.0479</b> | <b>0.8069</b> | <b>1.4900e-003</b> | <b>0.0747</b> | <b>0.0510</b> | <b>0.1256</b> | <b>0.0342</b>  | <b>0.0471</b> | <b>0.0814</b> | <b>0.0000</b> | <b>131.1919</b> | <b>131.1919</b> | <b>0.0363</b> | <b>0.0000</b> | <b>132.0995</b> |

|                          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total   | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total  | Bio- CO2    | NBio- CO2   | Total CO2   | CH4         | N2O         | CO2e        |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|--------------|----------------|---------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <b>Percent Reduction</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>54.33</b>  | <b>0.00</b>  | <b>41.37</b> | <b>55.58</b>   | <b>0.00</b>   | <b>34.43</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> |

| Quarter | Start Date | End Date   | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|--|--|
| 1       | 9-1-2021   | 11-30-2021 | 0.9577                                       | 0.9577                                     |
| 2       | 12-1-2021  | 2-28-2022  | 0.3485                                       | 0.3485                                     |
|         |            | Highest    | 0.9577                                       | 0.9577                                     |

## 2.2 Overall Operational

### Unmitigated Operational

|          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4         | N2O         | CO2e        |
|----------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|-------------|-------------|
| Category | tons/yr     |             |             |             |               |              |             |                |               |             | MT/yr    |             |             |             |             |             |
| Area     | 0.1357      | 2.0000e-005 | 2.4300e-003 | 0.0000      |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 | 0.0000   | 4.7200e-003 | 4.7200e-003 | 1.0000e-005 | 0.0000      | 5.0300e-003 |
| Energy   | 7.0000e-004 | 6.3200e-003 | 5.3100e-003 | 4.0000e-005 |               | 4.8000e-004  | 4.8000e-004 |                | 4.8000e-004   | 4.8000e-004 | 0.0000   | 70.2925     | 70.2925     | 3.0000e-003 | 7.2000e-004 | 70.5819     |
| Mobile   | 0.2612      | 0.4881      | 2.5264      | 8.8500e-003 | 0.6530        | 7.4500e-003  | 0.6604      | 0.1660         | 7.0200e-003   | 0.1730      | 0.0000   | 817.9790    | 817.9790    | 0.0250      | 0.0000      | 818.6047    |
| Waste    |             |             |             |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 4.9550   | 0.0000      | 4.9550      | 0.2928      | 0.0000      | 12.2758     |

|              |               |               |               |                    |               |                    |               |               |                    |               |               |                 |                 |               |                    |                 |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|---------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Water        |               |               |               |                    |               | 0.0000             | 0.0000        |               | 0.0000             | 0.0000        | 1.8566        | 9.5444          | 11.4010         | 0.1911        | 4.5900e-003        | 17.5473         |
| <b>Total</b> | <b>0.3976</b> | <b>0.4945</b> | <b>2.5342</b> | <b>8.8900e-003</b> | <b>0.6530</b> | <b>7.9400e-003</b> | <b>0.6609</b> | <b>0.1660</b> | <b>7.5100e-003</b> | <b>0.1735</b> | <b>6.8116</b> | <b>897.8207</b> | <b>904.6322</b> | <b>0.5120</b> | <b>5.3100e-003</b> | <b>919.0147</b> |

### Mitigated Operational

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O                | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|-----------------|-----------------|---------------|--------------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                 |                 |               |                    |                 |
| Area         | 0.1357        | 2.0000e-005   | 2.4300e-003   | 0.0000             |               | 1.0000e-005        | 1.0000e-005   |                | 1.0000e-005        | 1.0000e-005   | 0.0000        | 4.7200e-003     | 4.7200e-003     | 1.0000e-005   | 0.0000             | 5.0300e-003     |
| Energy       | 7.0000e-004   | 6.3200e-003   | 5.3100e-003   | 4.0000e-005        |               | 4.8000e-004        | 4.8000e-004   |                | 4.8000e-004        | 4.8000e-004   | 0.0000        | 70.2925         | 70.2925         | 3.0000e-003   | 7.2000e-004        | 70.5819         |
| Mobile       | 0.2612        | 0.4881        | 2.5264        | 8.8500e-003        | 0.6530        | 7.4500e-003        | 0.6604        | 0.1660         | 7.0200e-003        | 0.1730        | 0.0000        | 817.9790        | 817.9790        | 0.0250        | 0.0000             | 818.6047        |
| Waste        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 2.4775        | 0.0000          | 2.4775          | 0.1464        | 0.0000             | 6.1379          |
| Water        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 1.4852        | 7.6818          | 9.1670          | 0.1529        | 3.6700e-003        | 14.0843         |
| <b>Total</b> | <b>0.3976</b> | <b>0.4945</b> | <b>2.5342</b> | <b>8.8900e-003</b> | <b>0.6530</b> | <b>7.9400e-003</b> | <b>0.6609</b> | <b>0.1660</b>  | <b>7.5100e-003</b> | <b>0.1735</b> | <b>3.9627</b> | <b>895.9581</b> | <b>899.9208</b> | <b>0.3274</b> | <b>4.3900e-003</b> | <b>909.4138</b> |

|                          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2     | NBio- CO2   | Total CO2   | CH4          | N2O          | CO2e        |
|--------------------------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|--------------|-------------|-------------|--------------|--------------|-------------|
| <b>Percent Reduction</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>   | <b>0.00</b>  | <b>0.00</b> | <b>0.00</b>    | <b>0.00</b>   | <b>0.00</b> | <b>41.82</b> | <b>0.21</b> | <b>0.52</b> | <b>36.06</b> | <b>17.33</b> | <b>1.04</b> |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name       | Phase Type       | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|------------------|------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition       | Demolition       | 9/1/2021   | 9/30/2021  | 5             | 22       |                   |
| 2            | Site Preparation | Site Preparation | 10/1/2021  | 10/8/2021  | 5             | 6        |                   |
| 3            | Grading          | Grading          | 10/11/2021 | 11/12/2021 | 5             | 25       |                   |

|   |                       |                       |            |            |   |    |
|---|-----------------------|-----------------------|------------|------------|---|----|
| 4 | Building Construction | Building Construction | 11/10/2021 | 11/9/2021  | 5 | 0  |
| 5 | Paving                | Paving                | 11/15/2021 | 1/3/2022   | 5 | 36 |
| 6 | Architectural Coating | Architectural Coating | 11/25/2021 | 12/31/2021 | 5 | 27 |

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 12.5**

**Acres of Paving: 5.46**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 39,000; Non-Residential Outdoor: 13,000; Striped Parking Area:**

**OffRoad Equipment**

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Demolition            | Excavators                | 3      | 8.00        | 158         | 0.38        |
| Demolition            | Rubber Tired Dozers       | 2      | 8.00        | 247         | 0.40        |
| Site Preparation      | Rubber Tired Dozers       | 3      | 8.00        | 247         | 0.40        |
| Site Preparation      | Tractors/Loaders/Backhoes | 4      | 8.00        | 97          | 0.37        |
| Grading               | Excavators                | 1      | 8.00        | 158         | 0.38        |
| Grading               | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Grading               | Rubber Tired Dozers       | 1      | 8.00        | 247         | 0.40        |
| Grading               | Tractors/Loaders/Backhoes | 3      | 8.00        | 97          | 0.37        |
| Building Construction | Cranes                    | 1      | 7.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Building Construction | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Building Construction | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Building Construction | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Paving                | Pavers                    | 2      | 8.00        | 130         | 0.42        |
| Paving                | Paving Equipment          | 2      | 8.00        | 132         | 0.36        |
| Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |

## Trips and VMT

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 6                       | 15.00              | 0.00               | 169.00              | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 9                       | 111.00             | 43.00              | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 6                       | 15.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Architectural Coating | 1                       | 22.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

### 3.1 Mitigation Measures Construction

Replace Ground Cover

Water Exposed Area

Water Unpaved Roads

Reduce Vehicle Speed on Unpaved Roads

Clean Paved Roads

### 3.2 Demolition - 2021

#### Unmitigated Construction On-Site

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                    |               |               | MT/yr         |                |                |               |               |                |
| Fugitive Dust |               |               |               |                    | 0.0183        | 0.0000        | 0.0183        | 2.7700e-003        | 0.0000        | 2.7700e-003   | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.0348        | 0.3459        | 0.2372        | 4.3000e-004        |               | 0.0171        | 0.0171        |                    | 0.0159        | 0.0159        | 0.0000        | 37.4009        | 37.4009        | 0.0105        | 0.0000        | 37.6640        |
| <b>Total</b>  | <b>0.0348</b> | <b>0.3459</b> | <b>0.2372</b> | <b>4.3000e-004</b> | <b>0.0183</b> | <b>0.0171</b> | <b>0.0354</b> | <b>2.7700e-003</b> | <b>0.0159</b> | <b>0.0186</b> | <b>0.0000</b> | <b>37.4009</b> | <b>37.4009</b> | <b>0.0105</b> | <b>0.0000</b> | <b>37.6640</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx           | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|---------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |               |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 6.6000e-004        | 0.0226        | 4.9200e-003        | 7.0000e-005        | 1.4300e-003        | 7.0000e-005        | 1.5000e-003        | 3.9000e-004        | 7.0000e-005        | 4.6000e-004        | 0.0000        | 6.3631        | 6.3631        | 2.9000e-004        | 0.0000        | 6.3704        |
| Vendor       | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 5.1000e-004        | 3.5000e-004   | 3.7700e-003        | 1.0000e-005        | 1.3100e-003        | 1.0000e-005        | 1.3200e-003        | 3.5000e-004        | 1.0000e-005        | 3.6000e-004        | 0.0000        | 1.0833        | 1.0833        | 2.0000e-005        | 0.0000        | 1.0839        |
| <b>Total</b> | <b>1.1700e-003</b> | <b>0.0230</b> | <b>8.6900e-003</b> | <b>8.0000e-005</b> | <b>2.7400e-003</b> | <b>8.0000e-005</b> | <b>2.8200e-003</b> | <b>7.4000e-004</b> | <b>8.0000e-005</b> | <b>8.2000e-004</b> | <b>0.0000</b> | <b>7.4464</b> | <b>7.4464</b> | <b>3.1000e-004</b> | <b>0.0000</b> | <b>7.4543</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |                    |               |               |                    |               |               | MT/yr         |                |                |               |               |                |
| Fugitive Dust |               |               |               |                    | 7.8300e-003        | 0.0000        | 7.8300e-003   | 1.1900e-003        | 0.0000        | 1.1900e-003   | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.0348        | 0.3459        | 0.2372        | 4.3000e-004        |                    | 0.0171        | 0.0171        |                    | 0.0159        | 0.0159        | 0.0000        | 37.4008        | 37.4008        | 0.0105        | 0.0000        | 37.6640        |
| <b>Total</b>  | <b>0.0348</b> | <b>0.3459</b> | <b>0.2372</b> | <b>4.3000e-004</b> | <b>7.8300e-003</b> | <b>0.0171</b> | <b>0.0249</b> | <b>1.1900e-003</b> | <b>0.0159</b> | <b>0.0170</b> | <b>0.0000</b> | <b>37.4008</b> | <b>37.4008</b> | <b>0.0105</b> | <b>0.0000</b> | <b>37.6640</b> |

**Mitigated Construction Off-Site**

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|



|              |                    |                    |                    |               |                    |               |                    |                    |               |                    |               |               |               |                    |               |               |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Worker       | 1.7000e-004        | 1.2000e-004        | 1.2400e-003        | 0.0000        | 4.3000e-004        | 0.0000        | 4.3000e-004        | 1.1000e-004        | 0.0000        | 1.2000e-004        | 0.0000        | 0.3545        | 0.3545        | 1.0000e-005        | 0.0000        | 0.3547        |
| <b>Total</b> | <b>1.7000e-004</b> | <b>1.2000e-004</b> | <b>1.2400e-003</b> | <b>0.0000</b> | <b>4.3000e-004</b> | <b>0.0000</b> | <b>4.3000e-004</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.2000e-004</b> | <b>0.0000</b> | <b>0.3545</b> | <b>0.3545</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.3547</b> |

### Mitigated Construction On-Site

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 0.0232        | 0.0000             | 0.0232        | 0.0127         | 0.0000             | 0.0127        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0117        | 0.1215        | 0.0635        | 1.1000e-004        |               | 6.1300e-003        | 6.1300e-003   |                | 5.6400e-003        | 5.6400e-003   | 0.0000        | 10.0307        | 10.0307        | 3.2400e-003        | 0.0000        | 10.1118        |
| <b>Total</b>  | <b>0.0117</b> | <b>0.1215</b> | <b>0.0635</b> | <b>1.1000e-004</b> | <b>0.0232</b> | <b>6.1300e-003</b> | <b>0.0293</b> | <b>0.0127</b>  | <b>5.6400e-003</b> | <b>0.0184</b> | <b>0.0000</b> | <b>10.0307</b> | <b>10.0307</b> | <b>3.2400e-003</b> | <b>0.0000</b> | <b>10.1118</b> |

### Mitigated Construction Off-Site

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 1.7000e-004        | 1.2000e-004        | 1.2400e-003        | 0.0000        | 4.1000e-004        | 0.0000        | 4.1000e-004        | 1.1000e-004        | 0.0000        | 1.1000e-004        | 0.0000        | 0.3545        | 0.3545        | 1.0000e-005        | 0.0000        | 0.3547        |
| <b>Total</b> | <b>1.7000e-004</b> | <b>1.2000e-004</b> | <b>1.2400e-003</b> | <b>0.0000</b> | <b>4.1000e-004</b> | <b>0.0000</b> | <b>4.1000e-004</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>1.1000e-004</b> | <b>0.0000</b> | <b>0.3545</b> | <b>0.3545</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.3547</b> |

### 3.4 Grading - 2021

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |               |               |                |
| Fugitive Dust |               |               |               |                    | 0.0819        | 0.0000        | 0.0819        | 0.0421         | 0.0000        | 0.0421        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Off-Road      | 0.0286        | 0.3092        | 0.1982        | 3.7000e-004        |               | 0.0145        | 0.0145        |                | 0.0133        | 0.0133        | 0.0000        | 32.5671        | 32.5671        | 0.0105        | 0.0000        | 32.8304        |
| <b>Total</b>  | <b>0.0286</b> | <b>0.3092</b> | <b>0.1982</b> | <b>3.7000e-004</b> | <b>0.0819</b> | <b>0.0145</b> | <b>0.0964</b> | <b>0.0421</b>  | <b>0.0133</b> | <b>0.0554</b> | <b>0.0000</b> | <b>32.5671</b> | <b>32.5671</b> | <b>0.0105</b> | <b>0.0000</b> | <b>32.8304</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 5.8000e-004        | 4.0000e-004        | 4.2900e-003        | 1.0000e-005        | 1.4900e-003        | 1.0000e-005        | 1.5000e-003        | 4.0000e-004        | 1.0000e-005        | 4.0000e-004        | 0.0000        | 1.2310        | 1.2310        | 3.0000e-005        | 0.0000        | 1.2317        |
| <b>Total</b> | <b>5.8000e-004</b> | <b>4.0000e-004</b> | <b>4.2900e-003</b> | <b>1.0000e-005</b> | <b>1.4900e-003</b> | <b>1.0000e-005</b> | <b>1.5000e-003</b> | <b>4.0000e-004</b> | <b>1.0000e-005</b> | <b>4.0000e-004</b> | <b>0.0000</b> | <b>1.2310</b> | <b>1.2310</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>1.2317</b> |

**Mitigated Construction On-Site**

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|



**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Off-Road     | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr       |               |               |               |               |               |               |                |               |               | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| <b>Total</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b>  | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

### 3.6 Paving - 2021

#### Unmitigated Construction On-Site

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |               |               |                |
| Off-Road     | 0.0220        | 0.2261        | 0.2564        | 4.0000e-004        |               | 0.0119        | 0.0119        |                | 0.0109        | 0.0109        | 0.0000        | 35.0411        | 35.0411        | 0.0113        | 0.0000        | 35.3244        |
| Paving       | 6.9500e-003   |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0289</b> | <b>0.2261</b> | <b>0.2564</b> | <b>4.0000e-004</b> |               | <b>0.0119</b> | <b>0.0119</b> |                | <b>0.0109</b> | <b>0.0109</b> | <b>0.0000</b> | <b>35.0411</b> | <b>35.0411</b> | <b>0.0113</b> | <b>0.0000</b> | <b>35.3244</b> |

#### Unmitigated Construction Off-Site

|          | ROG     | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|---------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
| Category | tons/yr |     |    |     |               |              |            |                |               |             | MT/yr    |           |           |     |     |      |

|              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |               |               |               |                    |               |               |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 8.1000e-004        | 5.6000e-004        | 6.0000e-003        | 2.0000e-005        | 2.0800e-003        | 1.0000e-005        | 2.1000e-003        | 5.5000e-004        | 1.0000e-005        | 5.7000e-004        | 0.0000        | 1.7234        | 1.7234        | 4.0000e-005        | 0.0000        | 1.7244        |
| <b>Total</b> | <b>8.1000e-004</b> | <b>5.6000e-004</b> | <b>6.0000e-003</b> | <b>2.0000e-005</b> | <b>2.0800e-003</b> | <b>1.0000e-005</b> | <b>2.1000e-003</b> | <b>5.5000e-004</b> | <b>1.0000e-005</b> | <b>5.7000e-004</b> | <b>0.0000</b> | <b>1.7234</b> | <b>1.7234</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.7244</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4           | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                |                |               |               |                |
| Off-Road     | 0.0220        | 0.2261        | 0.2564        | 4.0000e-004        |               | 0.0119        | 0.0119        |                | 0.0109        | 0.0109        | 0.0000        | 35.0411        | 35.0411        | 0.0113        | 0.0000        | 35.3244        |
| Paving       | 6.9500e-003   |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0289</b> | <b>0.2261</b> | <b>0.2564</b> | <b>4.0000e-004</b> |               | <b>0.0119</b> | <b>0.0119</b> |                | <b>0.0109</b> | <b>0.0109</b> | <b>0.0000</b> | <b>35.0411</b> | <b>35.0411</b> | <b>0.0113</b> | <b>0.0000</b> | <b>35.3244</b> |

**Mitigated Construction Off-Site**

|          | ROG         | NOx         | CO          | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O    | CO2e   |
|----------|-------------|-------------|-------------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|--------|--------|
| Category | tons/yr     |             |             |             |               |              |             |                |               |             | MT/yr    |           |           |             |        |        |
| Hauling  | 0.0000      | 0.0000      | 0.0000      | 0.0000      | 0.0000        | 0.0000       | 0.0000      | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000    | 0.0000    | 0.0000      | 0.0000 | 0.0000 |
| Vendor   | 0.0000      | 0.0000      | 0.0000      | 0.0000      | 0.0000        | 0.0000       | 0.0000      | 0.0000         | 0.0000        | 0.0000      | 0.0000   | 0.0000    | 0.0000    | 0.0000      | 0.0000 | 0.0000 |
| Worker   | 8.1000e-004 | 5.6000e-004 | 6.0000e-003 | 2.0000e-005 | 1.9700e-003   | 1.0000e-005  | 1.9900e-003 | 5.3000e-004    | 1.0000e-005   | 5.4000e-004 | 0.0000   | 1.7234    | 1.7234    | 4.0000e-005 | 0.0000 | 1.7244 |

|              |                    |                    |                    |                    |                    |                    |                    |                    |                    |                    |               |               |               |                    |               |               |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| <b>Total</b> | <b>8.1000e-004</b> | <b>5.6000e-004</b> | <b>6.0000e-003</b> | <b>2.0000e-005</b> | <b>1.9700e-003</b> | <b>1.0000e-005</b> | <b>1.9900e-003</b> | <b>5.3000e-004</b> | <b>1.0000e-005</b> | <b>5.4000e-004</b> | <b>0.0000</b> | <b>1.7234</b> | <b>1.7234</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.7244</b> |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|

### 3.6 Paving - 2022

#### Unmitigated Construction On-Site

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Off-Road     | 5.5000e-004        | 5.5600e-003        | 7.2900e-003        | 1.0000e-005        |               | 2.8000e-004        | 2.8000e-004        |                | 2.6000e-004        | 2.6000e-004        | 0.0000        | 1.0014        | 1.0014        | 3.2000e-004        | 0.0000        | 1.0095        |
| Paving       | 2.0000e-004        |                    |                    |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| <b>Total</b> | <b>7.5000e-004</b> | <b>5.5600e-003</b> | <b>7.2900e-003</b> | <b>1.0000e-005</b> |               | <b>2.8000e-004</b> | <b>2.8000e-004</b> |                | <b>2.6000e-004</b> | <b>2.6000e-004</b> | <b>0.0000</b> | <b>1.0014</b> | <b>1.0014</b> | <b>3.2000e-004</b> | <b>0.0000</b> | <b>1.0095</b> |

#### Unmitigated Construction Off-Site

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 2.0000e-005        | 1.0000e-005        | 1.6000e-004        | 0.0000        | 6.0000e-005        | 0.0000        | 6.0000e-005        | 2.0000e-005        | 0.0000        | 2.0000e-005        | 0.0000        | 0.0475        | 0.0475        | 0.0000        | 0.0000        | 0.0475        |
| <b>Total</b> | <b>2.0000e-005</b> | <b>1.0000e-005</b> | <b>1.6000e-004</b> | <b>0.0000</b> | <b>6.0000e-005</b> | <b>0.0000</b> | <b>6.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.0475</b> | <b>0.0475</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0475</b> |

#### Mitigated Construction On-Site

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Off-Road     | 5.5000e-004        | 5.5600e-003        | 7.2900e-003        | 1.0000e-005        |               | 2.8000e-004        | 2.8000e-004        |                | 2.6000e-004        | 2.6000e-004        | 0.0000        | 1.0014        | 1.0014        | 3.2000e-004        | 0.0000        | 1.0095        |
| Paving       | 2.0000e-004        |                    |                    |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| <b>Total</b> | <b>7.5000e-004</b> | <b>5.5600e-003</b> | <b>7.2900e-003</b> | <b>1.0000e-005</b> |               | <b>2.8000e-004</b> | <b>2.8000e-004</b> |                | <b>2.6000e-004</b> | <b>2.6000e-004</b> | <b>0.0000</b> | <b>1.0014</b> | <b>1.0014</b> | <b>3.2000e-004</b> | <b>0.0000</b> | <b>1.0095</b> |

### Mitigated Construction Off-Site

|              | ROG                | NOx                | CO                 | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |               |                    |               |                    |                    |               |                    | MT/yr         |               |               |               |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Worker       | 2.0000e-005        | 1.0000e-005        | 1.6000e-004        | 0.0000        | 6.0000e-005        | 0.0000        | 6.0000e-005        | 2.0000e-005        | 0.0000        | 2.0000e-005        | 0.0000        | 0.0475        | 0.0475        | 0.0000        | 0.0000        | 0.0475        |
| <b>Total</b> | <b>2.0000e-005</b> | <b>1.0000e-005</b> | <b>1.6000e-004</b> | <b>0.0000</b> | <b>6.0000e-005</b> | <b>0.0000</b> | <b>6.0000e-005</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.0475</b> | <b>0.0475</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0475</b> |

### 3.7 Architectural Coating - 2021

#### Unmitigated Construction On-Site

|          | ROG     | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|----------|---------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
| Category | tons/yr |     |    |     |               |              |            |                |               |             | MT/yr    |           |           |     |     |      |

|                 |               |               |               |                    |  |                    |                    |  |                    |                    |               |               |               |                    |               |               |
|-----------------|---------------|---------------|---------------|--------------------|--|--------------------|--------------------|--|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Archit. Coating | 0.1852        |               |               |                    |  | 0.0000             | 0.0000             |  | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 2.9600e-003   | 0.0206        | 0.0245        | 4.0000e-005        |  | 1.2700e-003        | 1.2700e-003        |  | 1.2700e-003        | 1.2700e-003        | 0.0000        | 3.4469        | 3.4469        | 2.4000e-004        | 0.0000        | 3.4528        |
| <b>Total</b>    | <b>0.1882</b> | <b>0.0206</b> | <b>0.0245</b> | <b>4.0000e-005</b> |  | <b>1.2700e-003</b> | <b>1.2700e-003</b> |  | <b>1.2700e-003</b> | <b>1.2700e-003</b> | <b>0.0000</b> | <b>3.4469</b> | <b>3.4469</b> | <b>2.4000e-004</b> | <b>0.0000</b> | <b>3.4528</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 9.1000e-004        | 6.3000e-004        | 6.7900e-003        | 2.0000e-005        | 2.3600e-003        | 1.0000e-005        | 2.3700e-003        | 6.3000e-004        | 1.0000e-005        | 6.4000e-004        | 0.0000        | 1.9499        | 1.9499        | 4.0000e-005        | 0.0000        | 1.9510        |
| <b>Total</b> | <b>9.1000e-004</b> | <b>6.3000e-004</b> | <b>6.7900e-003</b> | <b>2.0000e-005</b> | <b>2.3600e-003</b> | <b>1.0000e-005</b> | <b>2.3700e-003</b> | <b>6.3000e-004</b> | <b>1.0000e-005</b> | <b>6.4000e-004</b> | <b>0.0000</b> | <b>1.9499</b> | <b>1.9499</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.9510</b> |

**Mitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Archit. Coating | 0.1852        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 2.9600e-003   | 0.0206        | 0.0245        | 4.0000e-005        |               | 1.2700e-003        | 1.2700e-003        |                | 1.2700e-003        | 1.2700e-003        | 0.0000        | 3.4469        | 3.4469        | 2.4000e-004        | 0.0000        | 3.4528        |
| <b>Total</b>    | <b>0.1882</b> | <b>0.0206</b> | <b>0.0245</b> | <b>4.0000e-005</b> |               | <b>1.2700e-003</b> | <b>1.2700e-003</b> |                | <b>1.2700e-003</b> | <b>1.2700e-003</b> | <b>0.0000</b> | <b>3.4469</b> | <b>3.4469</b> | <b>2.4000e-004</b> | <b>0.0000</b> | <b>3.4528</b> |

## Mitigated Construction Off-Site

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 9.1000e-004        | 6.3000e-004        | 6.7900e-003        | 2.0000e-005        | 2.2300e-003        | 1.0000e-005        | 2.2500e-003        | 6.0000e-004        | 1.0000e-005        | 6.1000e-004        | 0.0000        | 1.9499        | 1.9499        | 4.0000e-005        | 0.0000        | 1.9510        |
| <b>Total</b> | <b>9.1000e-004</b> | <b>6.3000e-004</b> | <b>6.7900e-003</b> | <b>2.0000e-005</b> | <b>2.2300e-003</b> | <b>1.0000e-005</b> | <b>2.2500e-003</b> | <b>6.0000e-004</b> | <b>1.0000e-005</b> | <b>6.1000e-004</b> | <b>0.0000</b> | <b>1.9499</b> | <b>1.9499</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.9510</b> |

## 4.0 Operational Detail - Mobile

### 4.1 Mitigation Measures Mobile

|             | ROG     | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category    | tons/yr |        |        |             |               |              |            |                |               |             | MT/yr    |           |           |        |        |          |
| Mitigated   | 0.2612  | 0.4881 | 2.5264 | 8.8500e-003 | 0.6530        | 7.4500e-003  | 0.6604     | 0.1660         | 7.0200e-003   | 0.1730      | 0.0000   | 817.9790  | 817.9790  | 0.0250 | 0.0000 | 818.6047 |
| Unmitigated | 0.2612  | 0.4881 | 2.5264 | 8.8500e-003 | 0.6530        | 7.4500e-003  | 0.6604     | 0.1660         | 7.0200e-003   | 0.1730      | 0.0000   | 817.9790  | 817.9790  | 0.0250 | 0.0000 | 818.6047 |

### 4.2 Trip Summary Information

| Land Use                         | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|----------------------------------|-------------------------|----------|--------|-------------|------------|
|                                  | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| General Office Building          | 387.90                  | 387.90   | 387.90 | 1,341,358   | 1,341,358  |
| Parking Lot                      | 171.36                  | 171.36   | 171.36 | 455,338     | 455,338    |
| Unrefrigerated Warehouse-No Rail | 14.03                   | 14.03    | 14.03  | 37,281      | 37,281     |
| Total                            | 573.29                  | 573.29   | 573.29 | 1,833,977   | 1,833,977  |

### 4.3 Trip Type Information

| Land Use                    | Miles      |            |             | Trip %    |            |             | Trip Purpose % |          |         |
|-----------------------------|------------|------------|-------------|-----------|------------|-------------|----------------|----------|---------|
|                             | H-W or C-W | H-S or C-C | H-O or C-NW | H-W or C- | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| General Office Building     | 9.50       | 7.30       | 7.30        | 100.00    | 0.00       | 0.00        | 100            | 0        | 0       |
| Parking Lot                 | 9.50       | 7.30       | 7.30        | 0.00      | 0.00       | 100.00      | 100            | 0        | 0       |
| Unrefrigerated Warehouse-No | 9.50       | 7.30       | 7.30        | 0.00      | 0.00       | 100.00      | 100            | 0        | 0       |

### 4.4 Fleet Mix

| Land Use                         | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building          | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Parking Lot                      | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 1.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |
| Unrefrigerated Warehouse-No Rail | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.131010 | 0.326720 | 0.542270 | 0.000000 | 0.000000 | 0.000000 | 0.000000 | 0.000000 |

## 5.0 Energy Detail

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

| Category              | ROG     | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e    |
|-----------------------|---------|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|---------|
|                       | tons/yr |     |    |     |               |              |            |                |               |             | MT/yr    |           |           |             |             |         |
| Electricity Mitigated |         |     |    |     |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      | 0.0000   | 63.4129   | 63.4129   | 2.8700e-003 | 5.9000e-004 | 63.6614 |

|                         |             |             |             |             |  |             |             |  |             |             |        |         |         |             |             |         |
|-------------------------|-------------|-------------|-------------|-------------|--|-------------|-------------|--|-------------|-------------|--------|---------|---------|-------------|-------------|---------|
| Electricity Unmitigated |             |             |             |             |  | 0.0000      | 0.0000      |  | 0.0000      | 0.0000      | 0.0000 | 63.4129 | 63.4129 | 2.8700e-003 | 5.9000e-004 | 63.6614 |
| NaturalGas Mitigated    | 7.0000e-004 | 6.3200e-003 | 5.3100e-003 | 4.0000e-005 |  | 4.8000e-004 | 4.8000e-004 |  | 4.8000e-004 | 4.8000e-004 | 0.0000 | 6.8797  | 6.8797  | 1.3000e-004 | 1.3000e-004 | 6.9205  |
| NaturalGas Unmitigated  | 7.0000e-004 | 6.3200e-003 | 5.3100e-003 | 4.0000e-005 |  | 4.8000e-004 | 4.8000e-004 |  | 4.8000e-004 | 4.8000e-004 | 0.0000 | 6.8797  | 6.8797  | 1.3000e-004 | 1.3000e-004 | 6.9205  |

## 5.2 Energy by Land Use - NaturalGas

### Unmitigated

|                                  | NaturalGas Use | ROG                | NOx                | CO                 | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|----------------------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Land Use                         | kBTU/yr        | tons/yr            |                    |                    |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |                    |               |
| General Office Building          | 49110          | 2.6000e-004        | 2.4100e-003        | 2.0200e-003        | 1.0000e-005        |               | 1.8000e-004        | 1.8000e-004        |                | 1.8000e-004        | 1.8000e-004        | 0.0000        | 2.6207        | 2.6207        | 5.0000e-005        | 5.0000e-005        | 2.6363        |
| Parking Lot                      | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| Unrefrigerated Warehouse-No Pail | 79810          | 4.3000e-004        | 3.9100e-003        | 3.2900e-003        | 2.0000e-005        |               | 3.0000e-004        | 3.0000e-004        |                | 3.0000e-004        | 3.0000e-004        | 0.0000        | 4.2590        | 4.2590        | 8.0000e-005        | 8.0000e-005        | 4.2843        |
| <b>Total</b>                     |                | <b>6.9000e-004</b> | <b>6.3200e-003</b> | <b>5.3100e-003</b> | <b>3.0000e-005</b> |               | <b>4.8000e-004</b> | <b>4.8000e-004</b> |                | <b>4.8000e-004</b> | <b>4.8000e-004</b> | <b>0.0000</b> | <b>6.8797</b> | <b>6.8797</b> | <b>1.3000e-004</b> | <b>1.3000e-004</b> | <b>6.9205</b> |

### Mitigated

|                                  | NaturalGas Use | ROG                | NOx                | CO                 | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O                | CO2e          |
|----------------------------------|----------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|--------------------|---------------|
| Land Use                         | kBTU/yr        | tons/yr            |                    |                    |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |                    |               |
| General Office Building          | 49110          | 2.6000e-004        | 2.4100e-003        | 2.0200e-003        | 1.0000e-005        |               | 1.8000e-004        | 1.8000e-004        |                | 1.8000e-004        | 1.8000e-004        | 0.0000        | 2.6207        | 2.6207        | 5.0000e-005        | 5.0000e-005        | 2.6363        |
| Parking Lot                      | 0              | 0.0000             | 0.0000             | 0.0000             | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000             | 0.0000        |
| Unrefrigerated Warehouse-No Pail | 79810          | 4.3000e-004        | 3.9100e-003        | 3.2900e-003        | 2.0000e-005        |               | 3.0000e-004        | 3.0000e-004        |                | 3.0000e-004        | 3.0000e-004        | 0.0000        | 4.2590        | 4.2590        | 8.0000e-005        | 8.0000e-005        | 4.2843        |
| <b>Total</b>                     |                | <b>6.9000e-004</b> | <b>6.3200e-003</b> | <b>5.3100e-003</b> | <b>3.0000e-005</b> |               | <b>4.8000e-004</b> | <b>4.8000e-004</b> |                | <b>4.8000e-004</b> | <b>4.8000e-004</b> | <b>0.0000</b> | <b>6.8797</b> | <b>6.8797</b> | <b>1.3000e-004</b> | <b>1.3000e-004</b> | <b>6.9205</b> |

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

|                                  | Electricity Use | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use                         | kWh/yr          | MT/yr          |                    |                    |                |
| General Office Building          | 53490           | 15.5609        | 7.0000e-004        | 1.5000e-004        | 15.6218        |
| Parking Lot                      | 83300           | 24.2329        | 1.1000e-003        | 2.3000e-004        | 24.3279        |
| Unrefrigerated Warehouse-No Cool | 81190           | 23.6191        | 1.0700e-003        | 2.2000e-004        | 23.7117        |
| <b>Total</b>                     |                 | <b>63.4129</b> | <b>2.8700e-003</b> | <b>6.0000e-004</b> | <b>63.6614</b> |

#### Mitigated

|                                  | Electricity Use | Total CO2      | CH4                | N2O                | CO2e           |
|----------------------------------|-----------------|----------------|--------------------|--------------------|----------------|
| Land Use                         | kWh/yr          | MT/yr          |                    |                    |                |
| General Office Building          | 53490           | 15.5609        | 7.0000e-004        | 1.5000e-004        | 15.6218        |
| Parking Lot                      | 83300           | 24.2329        | 1.1000e-003        | 2.3000e-004        | 24.3279        |
| Unrefrigerated Warehouse-No Cool | 81190           | 23.6191        | 1.0700e-003        | 2.2000e-004        | 23.7117        |
| <b>Total</b>                     |                 | <b>63.4129</b> | <b>2.8700e-003</b> | <b>6.0000e-004</b> | <b>63.6614</b> |

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

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|             | ROG     | NOx         | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4         | N2O    | CO2e        |
|-------------|---------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|--------|-------------|
| Category    | tons/yr |             |             |        |               |              |             |                |               |             | MT/yr    |             |             |             |        |             |
| Mitigated   | 0.1357  | 2.0000e-005 | 2.4300e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 | 0.0000   | 4.7200e-003 | 4.7200e-003 | 1.0000e-005 | 0.0000 | 5.0300e-003 |
| Unmitigated | 0.1357  | 2.0000e-005 | 2.4300e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 | 0.0000   | 4.7200e-003 | 4.7200e-003 | 1.0000e-005 | 0.0000 | 5.0300e-003 |

## 6.2 Area by SubCategory

### Unmitigated

|                       | ROG           | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2          | Total CO2          | CH4                | N2O           | CO2e               |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory           | tons/yr       |                    |                    |               |               |                    |                    |                |                    |                    | MT/yr         |                    |                    |                    |               |                    |
| Architectural Coating | 0.0185        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Consumer Products     | 0.1169        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Landscaping           | 2.3000e-004   | 2.0000e-005        | 2.4300e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        | 0.0000        | 4.7200e-003        | 4.7200e-003        | 1.0000e-005        | 0.0000        | 5.0300e-003        |
| <b>Total</b>          | <b>0.1357</b> | <b>2.0000e-005</b> | <b>2.4300e-003</b> | <b>0.0000</b> |               | <b>1.0000e-005</b> | <b>1.0000e-005</b> |                | <b>1.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>4.7200e-003</b> | <b>4.7200e-003</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>5.0300e-003</b> |

### Mitigated

|  | ROG | NOx | CO | SO2 | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4 | N2O | CO2e |
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|
|--|-----|-----|----|-----|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|-----|-----|------|

| SubCategory       | tons/yr               |                    |                    |               |  |                    |                    |        | MT/yr              |                    |               |                    |                    |                    |               |                    |
|-------------------|-----------------------|--------------------|--------------------|---------------|--|--------------------|--------------------|--------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
|                   | Architectural Coating | 0.0185             |                    |               |  |                    | 0.0000             | 0.0000 |                    | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        |                    |
| Consumer Products | 0.1169                |                    |                    |               |  | 0.0000             | 0.0000             |        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             |               |                    |
| Landscaping       | 2.3000e-004           | 2.0000e-005        | 2.4300e-003        | 0.0000        |  | 1.0000e-005        | 1.0000e-005        |        | 1.0000e-005        | 1.0000e-005        | 0.0000        | 4.7200e-003        | 4.7200e-003        | 1.0000e-005        | 0.0000        | 5.0300e-003        |
| <b>Total</b>      | <b>0.1357</b>         | <b>2.0000e-005</b> | <b>2.4300e-003</b> | <b>0.0000</b> |  | <b>1.0000e-005</b> | <b>1.0000e-005</b> |        | <b>1.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>4.7200e-003</b> | <b>4.7200e-003</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>5.0300e-003</b> |

## 7.0 Water Detail

### 7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Use Water Efficient Irrigation System

|             | Total CO2 | CH4    | N2O         | CO2e    |
|-------------|-----------|--------|-------------|---------|
| Category    | MT/yr     |        |             |         |
| Mitigated   | 9.1670    | 0.1529 | 3.6700e-003 | 14.0843 |
| Unmitigated | 11.4010   | 0.1911 | 4.5900e-003 | 17.5473 |

### 7.2 Water by Land Use

#### Unmitigated

|                                  | Indoor/Outdoor Use  | Total CO2      | CH4           | N2O                | CO2e           |
|----------------------------------|---------------------|----------------|---------------|--------------------|----------------|
| Land Use                         | Mgal                | MT/yr          |               |                    |                |
| General Office Building          | 0.533201 / 0.326801 | 1.3412         | 0.0174        | 4.2000e-004        | 1.9024         |
| Parking Lot                      | 0 / 0               | 0.0000         | 0.0000        | 0.0000             | 0.0000         |
| Unrefrigerated Warehouse-No Rail | 5.31875 / 0         | 10.0598        | 0.1737        | 4.1700e-003        | 15.6448        |
| <b>Total</b>                     |                     | <b>11.4010</b> | <b>0.1911</b> | <b>4.5900e-003</b> | <b>17.5473</b> |

### Mitigated

|                                  | Indoor/Outdoor Use  | Total CO2     | CH4           | N2O                | CO2e           |
|----------------------------------|---------------------|---------------|---------------|--------------------|----------------|
| Land Use                         | Mgal                | MT/yr         |               |                    |                |
| General Office Building          | 0.426561 / 0.306866 | 1.1192        | 0.0139        | 3.4000e-004        | 1.5684         |
| Parking Lot                      | 0 / 0               | 0.0000        | 0.0000        | 0.0000             | 0.0000         |
| Unrefrigerated Warehouse-No Rail | 4.255 / 0           | 8.0478        | 0.1390        | 3.3400e-003        | 12.5159        |
| <b>Total</b>                     |                     | <b>9.1670</b> | <b>0.1529</b> | <b>3.6800e-003</b> | <b>14.0843</b> |

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

**Category/Year**

|             | Total CO2 | CH4    | N2O    | CO2e    |
|-------------|-----------|--------|--------|---------|
|             | MT/yr     |        |        |         |
| Mitigated   | 2.4775    | 0.1464 | 0.0000 | 6.1379  |
| Unmitigated | 4.9550    | 0.2928 | 0.0000 | 12.2758 |

**8.2 Waste by Land Use**

**Unmitigated**

|                                  | Waste Disposed | Total CO2     | CH4           | N2O           | CO2e           |
|----------------------------------|----------------|---------------|---------------|---------------|----------------|
| Land Use                         | tons           | MT/yr         |               |               |                |
| General Office Building          | 2.79           | 0.5663        | 0.0335        | 0.0000        | 1.4031         |
| Parking Lot                      | 0              | 0.0000        | 0.0000        | 0.0000        | 0.0000         |
| Unrefrigerated Warehouse-No Pail | 21.62          | 4.3887        | 0.2594        | 0.0000        | 10.8727        |
| <b>Total</b>                     |                | <b>4.9550</b> | <b>0.2928</b> | <b>0.0000</b> | <b>12.2758</b> |

**Mitigated**

|  | Waste Disposed | Total CO2 | CH4 | N2O | CO2e |
|--|----------------|-----------|-----|-----|------|
|--|----------------|-----------|-----|-----|------|

| Land Use                         | tons  | MT/yr         |               |               |               |
|----------------------------------|-------|---------------|---------------|---------------|---------------|
|                                  |       |               |               |               |               |
| General Office Building          | 1.395 | 0.2832        | 0.0167        | 0.0000        | 0.7016        |
| Parking Lot                      | 0     | 0.0000        | 0.0000        | 0.0000        | 0.0000        |
| Unrefrigerated Warehouse-No Cold | 10.81 | 2.1943        | 0.1297        | 0.0000        | 5.4364        |
| <b>Total</b>                     |       | <b>2.4775</b> | <b>0.1464</b> | <b>0.0000</b> | <b>6.1379</b> |

## 9.0 Operational Offroad

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| Equipment Type | Number | Hours/Day | Days/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|-----------|-------------|-------------|-----------|
|----------------|--------|-----------|-----------|-------------|-------------|-----------|

## 10.0 Stationary Equipment

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### Fire Pumps and Emergency Generators

| Equipment Type | Number | Hours/Day | Hours/Year | Horse Power | Load Factor | Fuel Type |
|----------------|--------|-----------|------------|-------------|-------------|-----------|
|----------------|--------|-----------|------------|-------------|-------------|-----------|

### Boilers

| Equipment Type | Number | Heat Input/Day | Heat Input/Year | Boiler Rating | Fuel Type |
|----------------|--------|----------------|-----------------|---------------|-----------|
|----------------|--------|----------------|-----------------|---------------|-----------|

### User Defined Equipment

| Equipment Type | Number |
|----------------|--------|
|----------------|--------|

## 11.0 Vegetation

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## **Appendix B**

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### **Greenhouse Gas Reduction Strategy Checklist**



## DEPARTMENT OF PLANNING, BUILDING AND CODE ENFORCEMENT

### Purpose of the Compliance Checklist

In 2020, the City adopted a Greenhouse Gas Reduction Strategy (GHGRS) that outlines the actions the City will undertake to achieve its proportional share of State greenhouse gas (GHG) emission reductions for the interim target year 2030. The purpose of the Greenhouse Gas Reduction Strategy Compliance Checklist (Checklist) is to:

- Implement GHG reduction strategies from the 2030 GHGRS to new development projects.
- Provide a streamlined review process for proposed new development projects that are subject to discretionary review and trigger environmental review pursuant to the California Environmental Quality Act (CEQA).

The 2030 GHGRS presents the City's comprehensive path to reduce GHG emissions to achieve the 2030 reduction target, based on SB 32, BAAQMD, and OPR. Additionally, the 2030 GHGRS leverages other important City plans and policies; including the General Plan, Climate Smart San José, and the City Municipal Code in identifying reductions strategies that achieve the City's target. CEQA Guidelines Section 15183.5 allows for public agencies to analyze and mitigate GHG emissions as part of a larger plan for the reduction of greenhouse gases. Accordingly, the City of San José's 2030 GHGRS represents San José's qualified climate action plan in compliance with CEQA.

As described in the 2030 GHGRS, these GHG reductions will occur through a combination of City initiatives in various plans and policies and will provide reductions from both existing and new developments. This Compliance Checklist specifically applies to proposed discretionary projects that require environmental review pursuant to CEQA. Therefore, the Checklist is a critical implementation tool in the City's overall strategy to reduce GHG emissions. Implementation of applicable reduction actions in new development projects will help the City achieve incremental reductions toward its target. Per the 2030 GHGRS, the City will monitor strategy implementation and make updates, as necessary, to maintain an appropriate trajectory to the 2030 GHG target.

Pursuant to CEQA Guidelines Sections 15064(h)(3), 15130(d), and 15183(b), a project's incremental contribution to a cumulative GHG emissions effect may be determined not to be cumulatively considerable if it complies with the requirements of the GHGRS.

# Instructions for Compliance Checklist

Applicants shall complete the following sections to demonstrate conformance with the City of San José 2030 Greenhouse Gas Reduction Strategy for the proposed project. All projects must complete Section A. General Plan Policy Conformance and Section B. Greenhouse Gas Reduction Strategies. Projects that propose alternative GHG mitigation measures must also complete Section C. Alternative Project Measures and Additional GHG Reductions.

## A. General Plan Policy Compliance

Projects need to demonstrate consistency with the Envision San José 2040 General Plan's relevant policies for Land Use & Design, Transportation, Green Building, and Water Conservation, enumerated in Table A. All applicants shall complete the following steps.

1. Complete Table A, Item #1 to demonstrate the project's consistency with the General Plan Land Use and Circulation Diagram.
2. Complete Table A, Items #2 through #4 to demonstrate the project's consistency with General Plan policies<sup>1</sup> related to green building; pedestrian, bicycle & transit site design; and water conservation and urban forestry, as applicable. For each policy listed, mark the relevant yes/no check boxes to indicate project consistency, and provide a qualitative description of how the policy is implemented in the proposed project or why the policy is not applicable to the proposed project. Qualitative descriptions can be included in Table A or provided as separate attachments. This explanation will provide the basis for analysis in the CEQA document.

## B. Greenhouse Gas Reduction Strategies

Table B identifies the GHGRS strategies and recommended consistency options. Projects need to demonstrate consistency with the GHGRS reduction strategies listed in Table B or document why the strategies are not applicable or are infeasible. The corresponding GHGRS strategies are indicated in the table to provide additional context, with the full text of the strategies preceding Table B.

Residential projects must complete Table B, Part 1 and 2; Non-residential projects must complete Table B, Part 2 only. All applicants shall complete the following steps for Table B.

1. Review the project consistency options described in the column titled 'GHGRS Strategy and Consistency Options'.
2. Use the check boxes in the column titled "Project Conformance" to indicate if the strategy is 'Proposed', 'Not Applicable', 'Not Feasible', or if there is an 'Alternative Measure Proposed'.

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<sup>1</sup>The lists in items # 2-4 do not represent all General Plan policies but allow projects to demonstrate consistency and achievement of policies that are related to quantified reduction estimates in the 2030 GHGRS.

3. Provide a qualitative analysis of the proposed project's compliance with the GHGRS strategies in the column titled "Description of Project Measure". This will be the basis for CEQA analysis to demonstrate compliance with the 2030 GHGRS and by extension, with SB 32. The qualitative analysis should provide:
  - a. A description of which consistency options are included as part of the proposed project, or
  - b. A description of why the strategy is not applicable to the proposed project, or
  - c. A description of why the consistency options are infeasible. If applicants select 'Not Feasible' or 'Alternative Measure Proposed', they must complete Table C to document what alternative project measures will be implemented to achieve a similar level of greenhouse gas reduction and how those reduction estimates were calculated.

### **C. Alternative Project Measures and Additional GHG Reductions**

Projects that propose alternative GHG mitigation measures to those identified in Table B or propose to include additional GHG mitigation measures beyond those described in Tables A and B, shall provide a summary explanation of the proposed measures and demonstrate efficiency or greenhouse gas reductions achievable through the proposed measures. Documentation for these alternative or additional project measures shall be documented in Table C. Any applicants who select 'Not Feasible' or 'Alternative Measure Proposed' in Table B must complete the following steps for Table C.

1. In the column titled "Description of Proposed Measure" provide a qualitative description of what measure will be implemented, why it is proposed, and how it will reduce GHG emissions.
2. In the column titled "Description of GHG Reduction Estimate" demonstrate how the alternative project measure would achieve the same or greater level of greenhouse gas reductions as the GHGRS strategy it replaces. Documentation or calculation files can be attached separately.
3. In the column titled "Proposed Measure Implementation" identify how the measure will be implemented: incorporated as part of the project design or as an additional measure that is not part of the project (e.g., purchase of carbon offsets).

# Compliance Checklist

## Evaluation of Project Conformance with the 2030 Greenhouse Gas Reduction Strategy

### Table A: General Plan Consistency

**Development Type:**  Commercial  Residential  Office  Other: [Industrial]

| <b>1) Consistency with the Land Use/Transportation Diagram (Land Use and Density)</b>  | <b>Yes</b>                          | <b>No</b>                |
|--|-------------------------------------|--------------------------|
| <i>Is the proposed Project consistent with the Land Use/Transportation Diagram?</i>  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <i>If not, and the proposed project includes a General Plan Amendment, does the proposed amendment decrease GHG emissions (in absolute terms or per capita, per employee, per service population) below the level assumed in the GHGRS based on the existing planned land use? (The project could have a higher density, mix of uses, or other features that would reduce GHG emissions compared to the planned land use).<sup>2</sup></i> | <input type="checkbox"/>            | <input type="checkbox"/> |
| <i>If not, would the proposed project and the General Plan Amendment increase GHG emissions (in absolute terms or per capita, per employee, per service population)? Project is not consistent with GHGRS and further modeling will be required to determine if additional mitigation measures are necessary.</i>  | <input type="checkbox"/>            | <input type="checkbox"/> |

**Response documentation:**

*The proposed project is consistent with the Land Use/Transportation Diagram.*

<sup>2</sup> For example, a General Plan Amendment to change use from single-family residential to multi-family residential or a General Plan Amendment to change the use from regional-serving commercial to mixed-use urban in a transit-served area might reduce travel demand, and therefore GHG emissions from mobile sources.

| 2) Implementation of Green Building Measures   | Yes                                 | No                       |
|--|-------------------------------------|--------------------------|
| <b>MS-2.2:</b> Encourage maximized use of on-site generation of renewable energy for all new and existing buildings.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| Describe how the project is consistent or why the measure is not applicable.<br><i>The project would be solar-ready by including building roof space and conduit infrastructure for a “Future PV Array” per California Code. The project would also enroll in San José Clean Energy (SJCE) GreenSource program which includes 40 percent renewable energy.</i>   |                                     |                          |
| <b>MS-2.3:</b> Encourage consideration of solar orientation, including building placement, landscaping, design and construction techniques for new construction to minimize energy consumption.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| Describe how the project is consistent or why the measure is not applicable.<br><i>The project would comply with the latest energy efficiency standards. The State goal is to increase the use of green building practices. The project would implement required green building strategies through existing regulation that requires the project to comply with various CalGreen requirements. Additionally, the project would be enrolled in San José Clean Energy (SJCE) GreenSource program which includes 40 percent renewable energy.</i> |                                     |                          |
| <b>MS-2.7:</b> Encourage the installation of solar panels or other clean energy power generation sources over parking areas.   | <input type="checkbox"/>            | <input type="checkbox"/> |
| Not applicable   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Describe how the project is consistent or why the measure is not applicable.<br><i>This measure is to increase solar throughout California, which is being done by various electricity providers and existing solar programs. Future tenants within the project would be able to take advantage of incentives that are in place at the time of construction.</i>   |                                     |                          |
| <b>MS-2.11:</b> Require new development to incorporate green building practices, including those required by the Green Building Ordinance. Specifically, target reduced energy use through construction techniques (e.g., design of building envelopes and systems to maximize energy performance), through architectural design (e.g., design to maximize cross ventilation and interior daylight) and through site design techniques (e.g., orienting buildings on sites to maximize the effectiveness of passive solar design).             | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| Describe how the project is consistent or why the measure is not applicable.<br><i>The State goal is to increase the use of green building practices. The project would implement required green building strategies through existing regulation that requires the project to comply with various CalGreen requirements to reduce energy use.</i>  |                                     |                          |
| <b>MS-16.2:</b> Promote neighborhood-based distributed clean/renewable energy generation to improve local energy security and to reduce the amount of energy wasted in transmitting electricity over long distances.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| Describe how the project is consistent or why the measure is not applicable.<br><i>The project would be solar-ready by ensuring roof space and conduit infrastructure for “Future PV Array” per California Code. Additionally, the project would be enrolled in San José Clean Energy (SJCE) GreenSource program which includes 40 percent renewable energy.</i>   |                                     |                          |

| <b>3) Pedestrian, Bicycle &amp; Transit Site Design Measures</b>   | <b>Yes</b>                          | <b>No</b>                           |
|--|-------------------------------------|-------------------------------------|
| <b>CD-2.1:</b> Promote the Circulation Goals and Policies in the Envision San José 2040 General Plan. Create streets that promote pedestrian and bicycle transportation by following applicable goals and policies in the Circulation section of the Envision San José 2040 General Plan.  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| a) Design the street network for its safe shared use by pedestrians, bicyclists, and vehicles. Include elements that increase driver awareness.  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| b) Create a comfortable and safe pedestrian environment by implementing wider sidewalks, shade structures, attractive street furniture, street trees, reduced traffic speeds, pedestrian-oriented lighting, mid-block pedestrian crossings, pedestrian-activated crossing lights, bulb-outs and curb extensions at intersections, and on-street parking that buffers pedestrians from vehicles.  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) Consider support for reduced parking requirements, alternative parking arrangements, and Transportation Demand Management strategies to reduce area dedicated to parking and increase area dedicated to employment, housing, parks, public art, or other amenities. Encourage de-coupled parking to ensure that the value and cost of parking are considered in real estate and business transactions.  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Describe how the project is consistent or why the measure is not applicable.<br><i>The proposed project is in a heavy industrial area. There are existing Class II bike lanes on both sides of Old Bayshore Highway that will remain. The project would not alter existing street, pedestrian walkways or bike lanes. However, the proposed project would include 6 bicycle parking spaces as well as bicycle and pedestrian access on the driveways. Additionally, the project would include TDM measures discussed below.</i>                                  |                                     |                                     |
| <b>CD-2.5:</b> Integrate Green Building Goals and Policies of the Envision San José 2040 General Plan into site design to create healthful environments. Consider factors such as shaded parking areas, pedestrian connections, minimization of impervious surfaces, incorporation of stormwater treatment measures, appropriate building orientations, etc.   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Describe how the project is consistent or why the measure is not applicable.<br><i>The proposed project would include landscaping and shading of the parking areas and walkways. Additionally, 18 percent of the site would be pervious. The project would comply with all applicable stormwater regulations.</i>  |                                     |                                     |
| <b>CD-2.11:</b> Within the Downtown and Urban Village Overlay areas, consistent with the minimum density requirements of the pertaining Land Use/Transportation Diagram designation, avoid the construction of surface parking lots except as an interim use, so that long-term development of the site will result in a cohesive urban form. In these areas, whenever possible, use structured parking, rather than surface parking, to fulfill parking requirements. Encourage the incorporation of alternative uses, such as parks, above parking structures. | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Not Applicable   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Describe how the project is consistent or why the measure is not applicable.<br><i>The proposed project is not located within the Downtown or Urban Village Overlay areas.</i>   |                                     |                                     |
| <b>CD-3.2:</b> Prioritize pedestrian and bicycle connections to transit, community facilities (including schools), commercial areas, and other areas serving daily needs. Ensure that the design of new facilities can accommodate significant anticipated future increases in bicycle and pedestrian activity.  | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/>            |
| Describe how the project is consistent or why the measure is not applicable.<br><i>The proposed project would include 6 bicycle parking spaces as well as bicycle and pedestrian access on the driveways.</i>  |                                     |                                     |

|  |                                     |                          |
|--|-------------------------------------|--------------------------|
| <b>CD-3.4:</b> Encourage pedestrian cross-access connections between adjacent properties and require pedestrian and bicycle connections to streets and other public spaces, with particular attention and priority given to providing convenient access to transit facilities. Provide pedestrian and vehicular connections with cross-access easements within and between new and existing developments to encourage walking and minimize interruptions by parking areas and curb cuts. | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| Describe how the project is consistent or why the measure is not applicable.<br><i>As discussed above, the proposed project would include bicycle parking spaces as well as access for bicyclists and pedestrian to access the site. This would promote safety and encourage employees to use alternative sources of transportation.</i>   |                                     |                          |
| <b>LU-3.5:</b> Balance the need for parking to support a thriving Downtown with the need to minimize the impacts of parking upon a vibrant pedestrian and transit oriented urban environment. Provide for the needs of bicyclists and pedestrians, including adequate bicycle parking areas and design measures to promote bicyclist and pedestrian safety.  | <input type="checkbox"/>            | <input type="checkbox"/> |
| Not applicable   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Describe how the project is consistent or why the measure is not applicable.<br><i>The project is not located in the Downtown area.</i>  |                                     |                          |
| <b>TR-2.8:</b> Require new development to provide on-site facilities such as bicycle storage and showers, provide connections to existing and planned facilities, dedicate land to expand existing facilities or provide new facilities such as sidewalks and/or bicycle lanes/paths, or share in the cost of improvements.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| Describe how the project is consistent or why the measure is not applicable.<br><i>The project includes connections to existing bicycle lane facilities and bicycle parking.</i>   |                                     |                          |
| <b>TR-7.1:</b> Require large employers to develop TDM programs to reduce the vehicle trips and vehicle miles generated by their employees through the use of shuttles, provision for car-sharing, bicycle sharing, carpool, parking strategies, transit incentives and other measures.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| Describe how the project is consistent or why the measure is not applicable.<br><i>While the project is not a larger employee-generating use, the project would include TDM measures such as transit passes for employees, carpool and vanpool ride-matching services, bicycle parking, guaranteed ride home program, and a designated employee transportation coordinator onsite. These TDM measures would reduce trips and vehicle miles generated by employees.</i>                   |                                     |                          |
| <b>TR-8.5:</b> Promote participation in car share programs to minimize the need for parking spaces in new and existing development.  | <input type="checkbox"/>            | <input type="checkbox"/> |
| Not applicable   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Describe how the project is consistent or why the measure is not applicable.<br><i>The project would include TDM measures to reduce VMT and parking onsite such as transit passes for employees, carpool and vanpool ride-matching services, bicycle parking, guaranteed ride home program, and a designated employee transportation coordinator onsite.</i>   |                                     |                          |
| <b>4) Water Conservation and Urban Forestry Measures</b>   | <b>Yes</b>                          | <b>No</b>                |
| <b>MS-3.1:</b> Require water-efficient landscaping, which conforms to the State’s Model Water Efficient Landscape Ordinance, for all new commercial, institutional, industrial and developer-installed residential development unless for recreation needs or other area functions.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

|  |                                     |                          |
|--|-------------------------------------|--------------------------|
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| <p><i>Describe how the project is consistent or why the measure is not applicable.</i><br/> <i>The proposed Project would comply with the State’s Model Water Efficient Landscape Ordinance and the City’s Water-Efficient Landscape Ordinance (Chapter 15.11 of the San José Municipal Code). Project landscaping would include all water efficient landscaping.</i></p>  |                                     |                          |
| <b>MS-3.2:</b> Promote the use of green building technology or techniques that can help reduce the depletion of the City’s potable water supply, as building codes permit. For example, promote the use of captured rainwater, graywater, or recycled water as the preferred source for non-potable water needs such as irrigation and building cooling, consistent with Building Codes or other regulations.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| <p><i>Describe how the project is consistent or why the measure is not applicable.</i><br/> <i>The project includes low-flow fixtures and appliances. These measures are required by City Code. The project would comply with measures to increase water efficiency and green building techniques per building codes.</i></p>  |                                     |                          |
| <b>MS-19.4:</b> Require the use of recycled water wherever feasible and cost-effective to serve existing and new development.  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| <p><i>Describe how the project is consistent or why the measure is not applicable.</i><br/> <i>The City does not provide recycled water in the vicinity of the project site. The project would utilize recycled water for the outdoor landscaping based on availability.</i></p>   |                                     |                          |
| <b>MS-21.3:</b> Ensure that San José’s Community Forest is comprised of species that have low water requirements and are well adapted to its Mediterranean climate. Select and plant diverse species to prevent monocultures that are vulnerable to pest invasions. Furthermore, consider the appropriate placement of tree species and their lifespan to ensure the perpetuation of the Community Forest.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| <p><i>Describe how the project is consistent or why the measure is not applicable.</i><br/> <i>The project would comply with City landscaping requirements through plan check and design review processes. This would include water-efficient landscaping, pest resistance, and diversity requirements.</i></p>  |                                     |                          |
| <b>MS-26.1:</b> As a condition of new development, require the planting and maintenance of both street trees and trees on private property to achieve a level of tree coverage in compliance with and that implements City laws, policies or guidelines.   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Not applicable   | <input type="checkbox"/>            | <input type="checkbox"/> |
| <p><i>Describe how the project is consistent or why the measure is not applicable.</i><br/> <i>The project would comply with City landscaping requirements and criteria to incorporate existing trees with new landscaping.</i></p>  |                                     |                          |
| <b>ER-8.7:</b> Encourage stormwater reuse for beneficial uses in existing infrastructure and future development through the installation of rain barrels, cisterns, or other water storage and reuse facilities.   | <input type="checkbox"/>            | <input type="checkbox"/> |
| Not applicable   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <p><i>Describe how the project is consistent or why the measure is not applicable.</i><br/> <i>The Municipal Regional Permit (MRP) allows development projects to use infiltration, evapotranspiration, harvesting and use, or biotreatment to treat full water quality design flow or volume of stormwater runoff, as specified in MRP Provision C.3.d. Project applicants are no longer required to evaluate the feasibility of infiltration of rainwater harvesting and use before proceeding to biotreatment. If a project applicant desires to use rainwater harvesting systems to meet LID treatment requirements, there must be sufficient demand on the project site to use the water quality design volume, i.e., 80% of the average annual rainfall runoff, from the</i></p> |                                     |                          |

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*collection area. Appendix I from SCVURPPP provides guidance on how to estimate the required landscaping or toilet flushing demand to meet C.3.d requirements. If the project appears to have sufficient demand for captured rainwater, Appendix I provides guidance on sizing the cistern (or other storage facility) to achieve the appropriate combination of drawdown time and cistern volume.*

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## GHGRS Strategies

**GHGRS #1:** The City will implement the San José Clean Energy program to provide residents and businesses access to cleaner energy at competitive rates.

**GHGRS #2:** The City will implement its building reach code ordinance (adopted September 2019) and its prohibition of natural gas infrastructure ordinance (adopted October 2019) to guide the city's new construction toward zero net carbon (ZNC) buildings.

**GHGRS #3:** The City will expand development of rooftop solar energy through the provision of technical assistance and supportive financial incentives to make progress toward the Climate Smart San José goal of becoming a one-gigawatt solar city.

**GHGRS #4:** The City will support a transition to building decarbonization through increased efficiency improvements in the existing building stock and reduced use of natural gas appliances and equipment.

**GHGRS #5:** As an expansion to Climate Smart San José, the City will update its Zero Waste Strategic Plan and reassess zero waste strategies. Throughout the development of the update, the City will continue to divert 90 percent of waste away from landfills through source reduction, recycling, food recovery and composting, and other strategies.

**GHGRS #6:** The City will continue to be a partner in the Caltrain Modernization Project to enhance local transit opportunities while simultaneously improving the city's air quality.

**GHGRS #7:** The City will expand its water conservation efforts to achieve and sustain long-term per capita reductions that ensure a reliable water supply with a changing climate, through regional partnerships, sustainable landscape designs, green infrastructure, and water-efficient technology and systems.

**Table B: 2030 Greenhouse Gas Reduction Strategy Compliance**

| GHGRS Strategy and Consistency Options  | Description of Project Measure  | Project Conformance   |
|---|---|---|
| <b>PART 1: RESIDENTIAL PROJECTS ONLY</b>  |   |   |
| <p><b>Zero Net Carbon Residential Construction</b></p> <ol style="list-style-type: none"> <li>1. Achieve/exceed the City’s Reach Code, and</li> <li>2. Exclude natural gas infrastructure in new construction, or</li> <li>3. Install on-site renewable energy systems or participate in a community solar program to offset 100% of the project’s estimated energy demand, or</li> <li>4. Participate in San José Clean Energy at the Total Green level (i.e., 100% carbon-free electricity) for electricity accounts associated with the project until which time SJCE achieves 100% carbon-free electricity for all accounts.</li> </ol> <p><b>Supports Strategies:</b><br/>GHGRS #1, GHGRS #2, GHGRS #3</p> | <p><b>Not Applicable.</b> The project is not a residential project.</p>   | <p> <input type="checkbox"/> Proposed<br/> <input checked="" type="checkbox"/> Not Applicable<br/> <input type="checkbox"/> Not Feasible*<br/> <input type="checkbox"/> Alternative Measure Proposed                 </p> <p><i>*The 2030 GHGRS assumed this strategy would be feasible for 50% of residential units constructed between 2020 and 2030.</i></p> |
| <b>PART 2: RESIDENTIAL AND NON-RESIDENTIAL PROJECTS</b>   |   |   |
| <p><b>Renewable Energy Development</b></p> <ol style="list-style-type: none"> <li>1. Install solar panels, solar hot water, or other clean energy power generation sources on development sites, or</li> <li>2. Participate in community solar programs to support development of renewable energy in the community, or</li> <li>3. Participate in San José Clean Energy at the Total Green level (i.e., 100% carbon-free electricity) for electricity accounts associated with the project.</li> </ol> <p><b>Supports Strategies:</b><br/>GHGRS #1, GHGRS #3</p>   | <p><b>Alternative Measure Proposed.</b> The project would be enrolled in San José Clean Energy (SJCE) GreenSource program which includes 40 percent renewable energy.</p> | <p> <input type="checkbox"/> See Part 1 (Residential projects only)<br/> <input type="checkbox"/> Proposed<br/> <input type="checkbox"/> Not Applicable<br/> <input type="checkbox"/> Not Feasible<br/> <input checked="" type="checkbox"/> Alternative Measure Proposed                 </p>   |

|   |   |  |
|---|---|--|
| <p><b>Building Retrofits – Natural Gas<sup>3</sup></b><br/>                 This strategy only applies to projects that include a retrofit of an existing building. If the proposed project does not include a retrofit, select “Not Applicable” in the Project Conformance column.</p> <ol style="list-style-type: none"> <li>1. Replace an existing natural gas appliance with an electric alternative (e.g., space heater, water heater, clothes dryer),<br/>or</li> <li>2. Replace an existing natural gas appliance with a high-efficiency model</li> </ol> <p><b>Supports Strategies:</b><br/>                 GHGRS #4</p> | <p><b>Consistent.</b> The project does include a retrofit of the remaining structure. However, existing water heaters are currently used and would be replaced with similar. No other natural gas appliances are used or would require replacement.</p> | <p><input checked="" type="checkbox"/> Proposed<br/> <input type="checkbox"/> Not Applicable<br/> <input type="checkbox"/> Not Feasible<br/> <input type="checkbox"/> Alternative Measure Proposed</p> |
| <p><b>Zero Waste Goal</b></p> <ol style="list-style-type: none"> <li>1. Provide space for organic waste (e.g., food scraps, yard waste) collection containers,<br/>and/or</li> <li>2. Exceed the City’s construction &amp; demolition waste diversion requirement.</li> </ol> <p><b>Supports Strategies:</b><br/>                 GHGRS #5</p>  | <p><b>Consistent.</b> The proposed development includes an exterior trash enclosure with space for recycling and organic waste collection. Additionally, construction and demolition waste would be diverted to meet City requirements.</p>             | <p><input checked="" type="checkbox"/> Proposed<br/> <input type="checkbox"/> Not Applicable<br/> <input type="checkbox"/> Not Feasible<br/> <input type="checkbox"/> Alternative Measure Proposed</p> |
| <p><b>Caltrain Modernization</b></p> <ol style="list-style-type: none"> <li>1. For projects located within ½ mile of a Caltrain station, establish a program through which to provide project tenants and/or residents with free or reduced Caltrain passes<br/>or</li> <li>2. Develop a program that provides project tenants and/or residents with options to reduce their vehicle miles traveled (e.g., a TDM program), which could include transit passes, bike lockers and showers, or other strategies to reduce project related VMT.</li> </ol> <p><b>Supports Strategies:</b><br/>                 GHGRS #6</p>           | <p><b>Not Applicable.</b> The proposed project is not located within ½ mile of a Caltrain station. Therefore, this strategy is not applicable to the project.</p>   | <p><input type="checkbox"/> Proposed<br/> <input checked="" type="checkbox"/> Not Applicable<br/> <input type="checkbox"/> Not Feasible<br/> <input type="checkbox"/> Alternative Measure Proposed</p> |

<sup>3</sup> GHGRS Strategy #4 applies to existing building retrofits and not to new construction; Strategy #2 applies to new construction to reduce natural gas related GHG emissions.

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| <p><b>Water Conservation</b></p> <p>1. Install high-efficiency appliances/fixtures to reduce water use, and/or include water-sensitive landscape design, and/or</p> <p>2. Provide access to reclaimed water for outdoor water use on the project site.</p> <p><b>Supports Strategies:</b> GHGRS #7</p> | <p><b>Proposed.</b> The proposed project would comply with water conservation per the California Green Building Standards Code, which requires a 20 percent reduction in indoor water use. The project would include low flow appliances and fixtures. The project would also comply with the City’s Water-Efficient Landscape Ordinance (Chapter 15.11 of the San José Municipal Code).</p> | <p><input checked="" type="checkbox"/> Proposed</p> <p><input type="checkbox"/> Not Applicable</p> <p><input type="checkbox"/> Not Feasible</p> <p><input type="checkbox"/> Alternative Measure Proposed</p> |
|--|--|--|

### Table C: Applicant Proposed Greenhouse Gas Reduction Measures

| Description of Proposed Measure   | Description of GHG Reduction Estimate   | Proposed Measure Implementation   |
|---|---|---|
| <p><i>[Describe the proposed project measure and why it is proposed]</i></p> <p><b>Supports Strategies/Sectors:</b><br/>GHGRS #</p> | <p><i>[Demonstrate the effectiveness of the proposed measure to reduce the project’s GHG emissions.</i></p> <p><i>Include a description of how your measure will reduce emissions and provide supporting quantification documentation/assumptions.]</i></p> | <p><input type="checkbox"/>Part of Design</p> <p><input type="checkbox"/>Additional Measure</p> |
| <p><i>[Describe the proposed project measure and why it is proposed]</i></p> <p><b>Supports Strategies/Sectors:</b><br/>GHGRS #</p> | <p><i>[Demonstrate the effectiveness of the proposed measure to reduce the project’s GHG emissions.</i></p> <p><i>Include a description of how your measure will reduce emissions and provide supporting quantification documentation/assumptions.]</i></p> | <p><input type="checkbox"/>Part of Design</p> <p><input type="checkbox"/>Additional Measure</p> |
| <p><i>[Describe the proposed project measure and why it is proposed]</i></p> <p><b>Supports Strategies/Sectors:</b><br/>GHGRS #</p> | <p><i>[Demonstrate the effectiveness of the proposed measure to reduce the project’s GHG emissions.</i></p> <p><i>Include a description of how your measure will reduce emissions and provide supporting quantification documentation/assumptions.]</i></p> | <p><input type="checkbox"/>Part of Design</p> <p><input type="checkbox"/>Additional Measure</p> |
| <p><i>[Describe the proposed project measure and why it is proposed]</i></p> <p><b>Supports Strategies/Sectors:</b><br/>GHGRS #</p> | <p><i>[Demonstrate the effectiveness of the proposed measure to reduce the project’s GHG emissions.</i></p> <p><i>Include a description of how your measure will reduce emissions and provide supporting quantification documentation/assumptions.]</i></p> | <p><input type="checkbox"/>Part of Design</p> <p><input type="checkbox"/>Additional Measure</p> |