

**Project with Mitigation Measure AQ-3  
Long Beach Civic Center  
South Coast AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                           | Size   | Metric        | Lot Acreage | Floor Surface Area | Population |
|-------------------------------------|--------|---------------|-------------|--------------------|------------|
| Government (Civic Center)           | 575.79 | 1000sqft      | 3.78        | 575,793.00         | 0          |
| Library                             | 92.00  | 1000sqft      | 1.73        | 92,000.00          | 0          |
| Enclosed Parking with Elevator      | 509.00 | Space         | 0.00        | 203,600.00         | 0          |
| Enclosed Parking with Elevator      | 250.00 | Space         | 0.00        | 100,000.00         | 0          |
| Enclosed Parking with Elevator      | 725.00 | Space         | 0.00        | 290,000.00         | 0          |
| City Park                           | 3.17   | Acre          | 3.17        | 138,085.20         | 0          |
| High Turnover (Sit Down Restaurant) | 8.00   | 1000sqft      | 0.00        | 8,000.00           | 0          |
| Hotel                               | 200.00 | Room          | 0.00        | 290,400.00         | 0          |
| Condo/Townhouse High Rise           | 200.00 | Dwelling Unit | 0.90        | 235,000.00         | 572        |
| Condo/Townhouse High Rise           | 580.00 | Dwelling Unit | 6.29        | 650,000.00         | 1659       |
| Regional Shopping Center            | 32.00  | 1000sqft      | 0.00        | 32,000.00          | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 31    |
| <b>Climate Zone</b>             | 9                          |                                 |       | <b>Operational Year</b>          | 2020  |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 630.89                     | <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 - Civic Center includes City Hall, Port Bldg, and plaza. Total lot acreage divided by uses (estimated from site plan). SF from PD.

Construction Phase - Construction Schedule from applicant provided material. Courthouse Demolition assumed to occur before grading begins.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Demolition includes City Hall, Library, and Old Courthouse.

Grading - Grading area estimated from export study.

Architectural Coating - Use of low-VOC paint (150 g/L for nonflat coatings) as required by SCAQMD Rule 1113. SF updated based on phasing.

Vehicle Trips - Trip rates from LLG Traffic Study (Appendix E).

Woodstoves - Assumed compliance with SCAQMD's Healthy Hearths Initiative Rule 445 - wood burning devices cannot be installed in new developments.

Area Coating - Use of low-VOC paint (150 g/L for nonflat coatings) as required by SCAQMD Rule 1113. Non-residential SF does not include park.

Construction Off-road Equipment Mitigation - Assumed compliance with SCAQMD Fugitive Dust Rule 403 and Downtown Plan EIR Mitigation Measure AQ-1(c).

Mobile Land Use Mitigation - Approx. 107 du/acre (Center Block and Third and Pacific Block). Project site in Downtown.

Mobile Commute Mitigation - Assumed compliance with Downtown Plan EIR Mitigation Measure AQ-2.

Area Mitigation - Use of low-VOC paint (150 g/L for nonflat coatings) SCAQMD Rule 1113. Assumed compliance with MM AQ-3.

Energy Mitigation - Assumed compliance with DP EIR MM AQ-2 and MM GHG-2(b). Light energy reduction [https://www.energystar.gov/index.cfm?c=ssl.pr\\_why\\_es\\_com](https://www.energystar.gov/index.cfm?c=ssl.pr_why_es_com)

Water Mitigation - Assumed compliance with DP EIR MM GHG-2(b)

Waste Mitigation -

| Table Name              | Column Name                       | Default Value | New Value    |
|-------------------------|-----------------------------------|---------------|--------------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 864,939.00    | 435,697.00   |
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 864,939.00    | 50,000.00    |
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 864,939.00    | 310,200.00   |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 2,594,817.00  | 1,307,090.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 2,594,817.00  | 150,000.00   |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 2,594,817.00  | 930,600.00   |





|                         |              |            |              |
|-------------------------|--------------|------------|--------------|
| tblConstEquipMitigation | Tier         | No Change  | Tier 4 Final |
| tblConstEquipMitigation | Tier         | No Change  | Tier 4 Final |
| tblConstEquipMitigation | Tier         | No Change  | Tier 4 Final |
| tblConstEquipMitigation | Tier         | No Change  | Tier 4 Final |
| tblConstructionPhase    | NumDays      | 20.00      | 238.00       |
| tblConstructionPhase    | NumDays      | 20.00      | 132.00       |
| tblConstructionPhase    | NumDays      | 20.00      | 349.00       |
| tblConstructionPhase    | NumDays      | 300.00     | 87.00        |
| tblConstructionPhase    | NumDays      | 300.00     | 346.00       |
| tblConstructionPhase    | NumDays      | 300.00     | 694.00       |
| tblConstructionPhase    | NumDays      | 20.00      | 86.00        |
| tblConstructionPhase    | NumDays      | 20.00      | 130.00       |
| tblConstructionPhase    | NumDays      | 20.00      | 110.00       |
| tblConstructionPhase    | NumDays      | 30.00      | 154.00       |
| tblConstructionPhase    | NumDays      | 30.00      | 284.00       |
| tblConstructionPhase    | NumDays      | 30.00      | 66.00        |
| tblConstructionPhase    | NumDays      | 20.00      | 86.00        |
| tblConstructionPhase    | NumDays      | 20.00      | 195.00       |
| tblConstructionPhase    | NumDays      | 20.00      | 282.00       |
| tblConstructionPhase    | PhaseEndDate | 1/26/2023  | 7/29/2022    |
| tblConstructionPhase    | PhaseEndDate | 7/3/2018   | 10/31/2017   |
| tblConstructionPhase    | PhaseEndDate | 3/4/2019   | 10/31/2019   |
| tblConstructionPhase    | PhaseEndDate | 4/30/2020  | 3/31/2020    |
| tblConstructionPhase    | PhaseEndDate | 4/29/2022  | 2/28/2022    |
| tblConstructionPhase    | PhaseEndDate | 11/28/2019 | 4/30/2019    |
| tblConstructionPhase    | PhaseEndDate | 9/29/2020  | 6/30/2020    |
| tblConstructionPhase    | PhaseEndDate | 5/1/2020   | 11/29/2019   |
| tblConstructionPhase    | PhaseEndDate | 2/1/2021   | 12/31/2020   |

|                      |                   |            |            |
|----------------------|-------------------|------------|------------|
| tblConstructionPhase | PhaseEndDate      | 6/1/2017   | 3/31/2017  |
| tblConstructionPhase | PhaseEndDate      | 3/2/2020   | 12/31/2019 |
| tblConstructionPhase | PhaseEndDate      | 11/28/2022 | 7/29/2022  |
| tblConstructionPhase | PhaseEndDate      | 1/28/2020  | 12/29/2017 |
| tblConstructionPhase | PhaseEndDate      | 11/30/2020 | 11/29/2019 |
| tblConstructionPhase | PhaseStartDate    | 3/1/2022   | 9/1/2021   |
| tblConstructionPhase | PhaseStartDate    | 12/30/2017 | 5/1/2017   |
| tblConstructionPhase | PhaseStartDate    | 11/1/2017  | 7/2/2018   |
| tblConstructionPhase | PhaseStartDate    | 1/1/2020   | 12/2/2019  |
| tblConstructionPhase | PhaseStartDate    | 1/1/2021   | 11/2/2020  |
| tblConstructionPhase | PhaseStartDate    | 4/1/2017   | 9/1/2016   |
| tblConstructionPhase | PhaseStartDate    | 4/1/2020   | 1/1/2020   |
| tblConstructionPhase | PhaseStartDate    | 11/30/2019 | 7/1/2019   |
| tblConstructionPhase | PhaseStartDate    | 7/1/2020   | 6/1/2020   |
| tblConstructionPhase | PhaseStartDate    | 4/30/2016  | 3/1/2016   |
| tblConstructionPhase | PhaseStartDate    | 11/30/2019 | 10/1/2019  |
| tblConstructionPhase | PhaseStartDate    | 7/30/2022  | 4/1/2022   |
| tblConstructionPhase | PhaseStartDate    | 5/1/2019   | 4/3/2017   |
| tblConstructionPhase | PhaseStartDate    | 11/1/2019  | 11/1/2018  |
| tblFireplaces        | FireplaceDayYear  | 25.00      | 0.00       |
| tblFireplaces        | FireplaceHourDay  | 3.00       | 0.00       |
| tblFireplaces        | FireplaceWoodMass | 1,019.20   | 0.00       |
| tblFireplaces        | NumberGas         | 663.00     | 0.00       |
| tblFireplaces        | NumberNoFireplace | 78.00      | 0.00       |
| tblFireplaces        | NumberWood        | 39.00      | 0.00       |
| tblGrading           | AcresOfGrading    | 385.00     | 2.00       |
| tblGrading           | AcresOfGrading    | 710.00     | 4.20       |
| tblGrading           | AcresOfGrading    | 165.00     | 3.10       |

|                           |                   |            |            |
|---------------------------|-------------------|------------|------------|
| tblGrading                | MaterialExported  | 0.00       | 200,000.00 |
| tblGrading                | MaterialExported  | 0.00       | 180,000.00 |
| tblGrading                | MaterialImported  | 0.00       | 68,200.00  |
| tblLandUse                | LandUseSquareFeet | 575,790.00 | 575,793.00 |
| tblLandUse                | LandUseSquareFeet | 200,000.00 | 235,000.00 |
| tblLandUse                | LandUseSquareFeet | 580,000.00 | 650,000.00 |
| tblLandUse                | LotAcreage        | 13.22      | 3.78       |
| tblLandUse                | LotAcreage        | 2.11       | 1.73       |
| tblLandUse                | LotAcreage        | 2.25       | 0.00       |
| tblLandUse                | LotAcreage        | 4.58       | 0.00       |
| tblLandUse                | LotAcreage        | 6.52       | 0.00       |
| tblLandUse                | LotAcreage        | 0.18       | 0.00       |
| tblLandUse                | LotAcreage        | 6.67       | 0.00       |
| tblLandUse                | LotAcreage        | 3.13       | 0.90       |
| tblLandUse                | LotAcreage        | 9.06       | 6.29       |
| tblLandUse                | LotAcreage        | 0.73       | 0.00       |
| tblProjectCharacteristics | OperationalYear   | 2014       | 2020       |
| tblTripsAndVMT            | VendorTripNumber  | 367.00     | 354.00     |
| tblTripsAndVMT            | VendorTripNumber  | 367.00     | 354.00     |
| tblTripsAndVMT            | VendorTripNumber  | 367.00     | 354.00     |
| tblTripsAndVMT            | WorkerTripNumber  | 1,227.00   | 1,143.00   |
| tblTripsAndVMT            | WorkerTripNumber  | 1,227.00   | 1,143.00   |
| tblTripsAndVMT            | WorkerTripNumber  | 245.00     | 229.00     |
| tblTripsAndVMT            | WorkerTripNumber  | 1,227.00   | 1,143.00   |
| tblTripsAndVMT            | WorkerTripNumber  | 245.00     | 229.00     |
| tblTripsAndVMT            | WorkerTripNumber  | 245.00     | 229.00     |
| tblVehicleEF              | HHD               | 0.03       | 0.03       |
| tblVehicleEF              | HHD               | 0.01       | 0.01       |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 3.16        | 3.42        |
| tblVehicleEF | HHD | 1.68        | 1.69        |
| tblVehicleEF | HHD | 53.80       | 51.65       |
| tblVehicleEF | HHD | 528.22      | 527.54      |
| tblVehicleEF | HHD | 1,524.51    | 1,522.69    |
| tblVehicleEF | HHD | 49.77       | 49.32       |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 3.93        | 3.33        |
| tblVehicleEF | HHD | 4.25        | 3.36        |
| tblVehicleEF | HHD | 3.53        | 3.38        |
| tblVehicleEF | HHD | 9.7330e-003 | 9.3010e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 0.09        | 0.09        |
| tblVehicleEF | HHD | 9.6100e-004 | 6.9000e-004 |
| tblVehicleEF | HHD | 8.9550e-003 | 8.5570e-003 |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 8.7160e-003 | 8.7220e-003 |
| tblVehicleEF | HHD | 0.08        | 0.08        |
| tblVehicleEF | HHD | 8.6600e-004 | 6.4000e-004 |
| tblVehicleEF | HHD | 1.4370e-003 | 1.3690e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.56        | 0.61        |
| tblVehicleEF | HHD | 1.0510e-003 | 1.0190e-003 |
| tblVehicleEF | HHD | 0.24        | 0.24        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.42        | 1.22        |
| tblVehicleEF | HHD | 5.5990e-003 | 5.5920e-003 |



|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.02        | 0.02        |
| tblVehicleEF | HHD | 1.4410e-003 | 1.3960e-003 |
| tblVehicleEF | HHD | 1.4370e-003 | 1.3690e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.64        | 0.69        |
| tblVehicleEF | HHD | 1.0510e-003 | 1.0190e-003 |
| tblVehicleEF | HHD | 0.27        | 0.28        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.52        | 1.30        |
| tblVehicleEF | HHD | 0.02        | 0.03        |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 2.30        | 2.49        |
| tblVehicleEF | HHD | 1.69        | 1.70        |
| tblVehicleEF | HHD | 43.34       | 41.60       |
| tblVehicleEF | HHD | 559.60      | 558.89      |
| tblVehicleEF | HHD | 1,524.51    | 1,522.69    |
| tblVehicleEF | HHD | 49.77       | 49.32       |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 4.06        | 3.43        |
| tblVehicleEF | HHD | 4.01        | 3.17        |
| tblVehicleEF | HHD | 3.38        | 3.24        |
| tblVehicleEF | HHD | 8.2050e-003 | 7.8410e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 0.09        | 0.09        |
| tblVehicleEF | HHD | 9.6100e-004 | 6.9000e-004 |
| tblVehicleEF | HHD | 7.5490e-003 | 7.2140e-003 |
| tblVehicleEF | HHD | 0.03        | 0.03        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 8.7160e-003 | 8.7220e-003 |
| tblVehicleEF | HHD | 0.08        | 0.08        |
| tblVehicleEF | HHD | 8.6600e-004 | 6.4000e-004 |
| tblVehicleEF | HHD | 2.3200e-003 | 2.1960e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.53        | 0.57        |
| tblVehicleEF | HHD | 1.6920e-003 | 1.6070e-003 |
| tblVehicleEF | HHD | 0.24        | 0.24        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.24        | 1.06        |
| tblVehicleEF | HHD | 5.9320e-003 | 5.9240e-003 |
| tblVehicleEF | HHD | 0.02        | 0.02        |
| tblVehicleEF | HHD | 1.2710e-003 | 1.2330e-003 |
| tblVehicleEF | HHD | 2.3200e-003 | 2.1960e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.60        | 0.65        |
| tblVehicleEF | HHD | 1.6920e-003 | 1.6070e-003 |
| tblVehicleEF | HHD | 0.27        | 0.28        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.32        | 1.14        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 4.35        | 4.71        |
| tblVehicleEF | HHD | 1.68        | 1.69        |
| tblVehicleEF | HHD | 54.58       | 52.38       |
| tblVehicleEF | HHD | 484.88      | 484.26      |
| tblVehicleEF | HHD | 1,524.51    | 1,522.69    |
| tblVehicleEF | HHD | 49.77       | 49.32       |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 3.76        | 3.18        |
| tblVehicleEF | HHD | 4.18        | 3.31        |
| tblVehicleEF | HHD | 3.54        | 3.40        |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 0.09        | 0.09        |
| tblVehicleEF | HHD | 9.6100e-004 | 6.9000e-004 |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 8.7160e-003 | 8.7220e-003 |
| tblVehicleEF | HHD | 0.08        | 0.08        |
| tblVehicleEF | HHD | 8.6600e-004 | 6.4000e-004 |
| tblVehicleEF | HHD | 1.4620e-003 | 1.3640e-003 |
| tblVehicleEF | HHD | 0.07        | 0.06        |
| tblVehicleEF | HHD | 0.61        | 0.66        |
| tblVehicleEF | HHD | 1.0540e-003 | 1.0120e-003 |
| tblVehicleEF | HHD | 0.24        | 0.24        |
| tblVehicleEF | HHD | 0.30        | 0.28        |
| tblVehicleEF | HHD | 1.44        | 1.23        |
| tblVehicleEF | HHD | 5.1400e-003 | 5.1330e-003 |
| tblVehicleEF | HHD | 0.02        | 0.02        |
| tblVehicleEF | HHD | 1.4540e-003 | 1.4080e-003 |
| tblVehicleEF | HHD | 1.4620e-003 | 1.3640e-003 |
| tblVehicleEF | HHD | 0.07        | 0.06        |
| tblVehicleEF | HHD | 0.69        | 0.75        |
| tblVehicleEF | HHD | 1.0540e-003 | 1.0120e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.27        | 0.28        |
| tblVehicleEF | HHD | 0.30        | 0.28        |
| tblVehicleEF | HHD | 1.54        | 1.31        |
| tblVehicleEF | LDA | 9.9910e-003 | 9.4500e-003 |
| tblVehicleEF | LDA | 5.4270e-003 | 4.6120e-003 |
| tblVehicleEF | LDA | 0.77        | 0.71        |
| tblVehicleEF | LDA | 1.39        | 1.21        |
| tblVehicleEF | LDA | 248.70      | 239.34      |
| tblVehicleEF | LDA | 52.85       | 50.62       |
| tblVehicleEF | LDA | 0.51        | 0.50        |
| tblVehicleEF | LDA | 0.07        | 0.07        |
| tblVehicleEF | LDA | 0.09        | 0.07        |
| tblVehicleEF | LDA | 1.9290e-003 | 2.0080e-003 |
| tblVehicleEF | LDA | 3.3720e-003 | 3.7590e-003 |
| tblVehicleEF | LDA | 1.7880e-003 | 1.8620e-003 |
| tblVehicleEF | LDA | 3.1270e-003 | 3.4870e-003 |
| tblVehicleEF | LDA | 0.04        | 0.04        |
| tblVehicleEF | LDA | 0.10        | 0.08        |
| tblVehicleEF | LDA | 0.04        | 0.03        |
| tblVehicleEF | LDA | 0.02        | 0.01        |
| tblVehicleEF | LDA | 0.22        | 0.21        |
| tblVehicleEF | LDA | 0.10        | 0.08        |
| tblVehicleEF | LDA | 3.5970e-003 | 3.6040e-003 |
| tblVehicleEF | LDA | 7.6100e-004 | 7.5900e-004 |
| tblVehicleEF | LDA | 0.04        | 0.04        |
| tblVehicleEF | LDA | 0.10        | 0.08        |
| tblVehicleEF | LDA | 0.04        | 0.03        |
| tblVehicleEF | LDA | 0.03        | 0.02        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 0.22        | 0.21        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 9.9910e-003 | 9.4500e-003 |
| tblVehicleEF | LDA | 5.4270e-003 | 4.6120e-003 |
| tblVehicleEF | LDA | 0.86        | 0.79        |
| tblVehicleEF | LDA | 1.09        | 0.95        |
| tblVehicleEF | LDA | 261.60      | 251.82      |
| tblVehicleEF | LDA | 52.85       | 50.62       |
| tblVehicleEF | LDA | 0.51        | 0.50        |
| tblVehicleEF | LDA | 0.06        | 0.06        |
| tblVehicleEF | LDA | 0.08        | 0.07        |
| tblVehicleEF | LDA | 1.9290e-003 | 2.0080e-003 |
| tblVehicleEF | LDA | 3.3720e-003 | 3.7590e-003 |
| tblVehicleEF | LDA | 1.7880e-003 | 1.8620e-003 |
| tblVehicleEF | LDA | 3.1270e-003 | 3.4870e-003 |
| tblVehicleEF | LDA | 0.07        | 0.06        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.06        | 0.05        |
| tblVehicleEF | LDA | 0.02        | 0.01        |
| tblVehicleEF | LDA | 0.21        | 0.19        |
| tblVehicleEF | LDA | 0.08        | 0.07        |
| tblVehicleEF | LDA | 3.7860e-003 | 3.7940e-003 |
| tblVehicleEF | LDA | 7.5600e-004 | 7.5400e-004 |
| tblVehicleEF | LDA | 0.07        | 0.06        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.06        | 0.05        |
| tblVehicleEF | LDA | 0.03        | 0.03        |
| tblVehicleEF | LDA | 0.21        | 0.19        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 0.09        | 0.07        |
| tblVehicleEF | LDA | 9.9910e-003 | 9.4500e-003 |
| tblVehicleEF | LDA | 5.4270e-003 | 4.6120e-003 |
| tblVehicleEF | LDA | 0.74        | 0.68        |
| tblVehicleEF | LDA | 1.44        | 1.25        |
| tblVehicleEF | LDA | 244.71      | 235.50      |
| tblVehicleEF | LDA | 52.85       | 50.62       |
| tblVehicleEF | LDA | 0.51        | 0.50        |
| tblVehicleEF | LDA | 0.07        | 0.06        |
| tblVehicleEF | LDA | 0.09        | 0.07        |
| tblVehicleEF | LDA | 1.9290e-003 | 2.0080e-003 |
| tblVehicleEF | LDA | 3.3720e-003 | 3.7590e-003 |
| tblVehicleEF | LDA | 1.7880e-003 | 1.8620e-003 |
| tblVehicleEF | LDA | 3.1270e-003 | 3.4870e-003 |
| tblVehicleEF | LDA | 0.04        | 0.04        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.04        | 0.03        |
| tblVehicleEF | LDA | 0.02        | 0.01        |
| tblVehicleEF | LDA | 0.25        | 0.23        |
| tblVehicleEF | LDA | 0.10        | 0.08        |
| tblVehicleEF | LDA | 3.5390e-003 | 3.5450e-003 |
| tblVehicleEF | LDA | 7.6200e-004 | 7.5900e-004 |
| tblVehicleEF | LDA | 0.04        | 0.04        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.04        | 0.03        |
| tblVehicleEF | LDA | 0.03        | 0.02        |
| tblVehicleEF | LDA | 0.25        | 0.23        |
| tblVehicleEF | LDA | 0.10        | 0.09        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 0.02        | 0.02        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 2.05        | 1.76        |
| tblVehicleEF | LDT1 | 3.77        | 3.19        |
| tblVehicleEF | LDT1 | 303.51      | 294.33      |
| tblVehicleEF | LDT1 | 63.81       | 61.80       |
| tblVehicleEF | LDT1 | 0.06        | 0.06        |
| tblVehicleEF | LDT1 | 0.21        | 0.18        |
| tblVehicleEF | LDT1 | 0.22        | 0.19        |
| tblVehicleEF | LDT1 | 3.6870e-003 | 3.3980e-003 |
| tblVehicleEF | LDT1 | 4.7320e-003 | 4.6830e-003 |
| tblVehicleEF | LDT1 | 3.4190e-003 | 3.1520e-003 |
| tblVehicleEF | LDT1 | 4.3890e-003 | 4.3440e-003 |
| tblVehicleEF | LDT1 | 0.15        | 0.14        |
| tblVehicleEF | LDT1 | 0.28        | 0.26        |
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.05        | 0.04        |
| tblVehicleEF | LDT1 | 0.93        | 0.85        |
| tblVehicleEF | LDT1 | 0.28        | 0.23        |
| tblVehicleEF | LDT1 | 4.1550e-003 | 4.1640e-003 |
| tblVehicleEF | LDT1 | 9.1300e-004 | 9.0500e-004 |
| tblVehicleEF | LDT1 | 0.15        | 0.14        |
| tblVehicleEF | LDT1 | 0.28        | 0.26        |
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.07        | 0.06        |
| tblVehicleEF | LDT1 | 0.93        | 0.85        |
| tblVehicleEF | LDT1 | 0.30        | 0.25        |
| tblVehicleEF | LDT1 | 0.02        | 0.02        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 2.24        | 1.94        |
| tblVehicleEF | LDT1 | 2.97        | 2.52        |
| tblVehicleEF | LDT1 | 318.71      | 309.20      |
| tblVehicleEF | LDT1 | 63.81       | 61.80       |
| tblVehicleEF | LDT1 | 0.06        | 0.06        |
| tblVehicleEF | LDT1 | 0.18        | 0.15        |
| tblVehicleEF | LDT1 | 0.20        | 0.17        |
| tblVehicleEF | LDT1 | 3.6870e-003 | 3.3980e-003 |
| tblVehicleEF | LDT1 | 4.7320e-003 | 4.6830e-003 |
| tblVehicleEF | LDT1 | 3.4190e-003 | 3.1520e-003 |
| tblVehicleEF | LDT1 | 4.3890e-003 | 4.3440e-003 |
| tblVehicleEF | LDT1 | 0.25        | 0.23        |
| tblVehicleEF | LDT1 | 0.30        | 0.28        |
| tblVehicleEF | LDT1 | 0.18        | 0.17        |
| tblVehicleEF | LDT1 | 0.05        | 0.04        |
| tblVehicleEF | LDT1 | 0.87        | 0.80        |
| tblVehicleEF | LDT1 | 0.24        | 0.20        |
| tblVehicleEF | LDT1 | 4.3690e-003 | 4.3790e-003 |
| tblVehicleEF | LDT1 | 8.9900e-004 | 8.9400e-004 |
| tblVehicleEF | LDT1 | 0.25        | 0.23        |
| tblVehicleEF | LDT1 | 0.30        | 0.28        |
| tblVehicleEF | LDT1 | 0.18        | 0.17        |
| tblVehicleEF | LDT1 | 0.07        | 0.06        |
| tblVehicleEF | LDT1 | 0.87        | 0.80        |
| tblVehicleEF | LDT1 | 0.25        | 0.21        |
| tblVehicleEF | LDT1 | 0.02        | 0.02        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |



|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 1.98        | 1.71        |
| tblVehicleEF | LDT1 | 3.88        | 3.29        |
| tblVehicleEF | LDT1 | 299.01      | 289.93      |
| tblVehicleEF | LDT1 | 63.81       | 61.80       |
| tblVehicleEF | LDT1 | 0.06        | 0.06        |
| tblVehicleEF | LDT1 | 0.20        | 0.17        |
| tblVehicleEF | LDT1 | 0.22        | 0.19        |
| tblVehicleEF | LDT1 | 3.6870e-003 | 3.3980e-003 |
| tblVehicleEF | LDT1 | 4.7320e-003 | 4.6830e-003 |
| tblVehicleEF | LDT1 | 3.4190e-003 | 3.1520e-003 |
| tblVehicleEF | LDT1 | 4.3890e-003 | 4.3440e-003 |
| tblVehicleEF | LDT1 | 0.16        | 0.14        |
| tblVehicleEF | LDT1 | 0.31        | 0.29        |
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.05        | 0.04        |
| tblVehicleEF | LDT1 | 1.10        | 1.00        |
| tblVehicleEF | LDT1 | 0.28        | 0.24        |
| tblVehicleEF | LDT1 | 4.0920e-003 | 4.1010e-003 |
| tblVehicleEF | LDT1 | 9.1500e-004 | 9.0700e-004 |
| tblVehicleEF | LDT1 | 0.16        | 0.14        |
| tblVehicleEF | LDT1 | 0.31        | 0.29        |
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.07        | 0.06        |
| tblVehicleEF | LDT1 | 1.10        | 1.00        |
| tblVehicleEF | LDT1 | 0.30        | 0.26        |
| tblVehicleEF | LDT2 | 0.01        | 0.01        |
| tblVehicleEF | LDT2 | 7.9760e-003 | 6.6260e-003 |
| tblVehicleEF | LDT2 | 1.07        | 0.95        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 2.03        | 1.71        |
| tblVehicleEF | LDT2 | 369.06      | 359.70      |
| tblVehicleEF | LDT2 | 77.44       | 75.28       |
| tblVehicleEF | LDT2 | 0.18        | 0.18        |
| tblVehicleEF | LDT2 | 0.12        | 0.10        |
| tblVehicleEF | LDT2 | 0.18        | 0.14        |
| tblVehicleEF | LDT2 | 1.9220e-003 | 1.9830e-003 |
| tblVehicleEF | LDT2 | 3.3610e-003 | 3.7230e-003 |
| tblVehicleEF | LDT2 | 1.7830e-003 | 1.8400e-003 |
| tblVehicleEF | LDT2 | 3.1180e-003 | 3.4540e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.13        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 0.41        | 0.39        |
| tblVehicleEF | LDT2 | 0.14        | 0.12        |
| tblVehicleEF | LDT2 | 4.8850e-003 | 4.8920e-003 |
| tblVehicleEF | LDT2 | 1.0390e-003 | 1.0350e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.13        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.04        | 0.03        |
| tblVehicleEF | LDT2 | 0.41        | 0.39        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LDT2 | 0.01        | 0.01        |
| tblVehicleEF | LDT2 | 7.9760e-003 | 6.6260e-003 |
| tblVehicleEF | LDT2 | 1.19        | 1.06        |
| tblVehicleEF | LDT2 | 1.60        | 1.35        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 387.84      | 378.07      |
| tblVehicleEF | LDT2 | 77.44       | 75.28       |
| tblVehicleEF | LDT2 | 0.18        | 0.18        |
| tblVehicleEF | LDT2 | 0.10        | 0.09        |
| tblVehicleEF | LDT2 | 0.16        | 0.13        |
| tblVehicleEF | LDT2 | 1.9220e-003 | 1.9830e-003 |
| tblVehicleEF | LDT2 | 3.3610e-003 | 3.7230e-003 |
| tblVehicleEF | LDT2 | 1.7830e-003 | 1.8400e-003 |
| tblVehicleEF | LDT2 | 3.1180e-003 | 3.4540e-003 |
| tblVehicleEF | LDT2 | 0.10        | 0.09        |
| tblVehicleEF | LDT2 | 0.14        | 0.13        |
| tblVehicleEF | LDT2 | 0.09        | 0.09        |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 0.39        | 0.36        |
| tblVehicleEF | LDT2 | 0.12        | 0.10        |
| tblVehicleEF | LDT2 | 5.1360e-003 | 5.1440e-003 |
| tblVehicleEF | LDT2 | 1.0320e-003 | 1.0290e-003 |
| tblVehicleEF | LDT2 | 0.10        | 0.09        |
| tblVehicleEF | LDT2 | 0.14        | 0.13        |
| tblVehicleEF | LDT2 | 0.09        | 0.09        |
| tblVehicleEF | LDT2 | 0.04        | 0.03        |
| tblVehicleEF | LDT2 | 0.39        | 0.36        |
| tblVehicleEF | LDT2 | 0.13        | 0.11        |
| tblVehicleEF | LDT2 | 0.01        | 0.01        |
| tblVehicleEF | LDT2 | 7.9760e-003 | 6.6260e-003 |
| tblVehicleEF | LDT2 | 1.03        | 0.92        |
| tblVehicleEF | LDT2 | 2.10        | 1.77        |
| tblVehicleEF | LDT2 | 363.33      | 354.11      |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 77.44       | 75.28       |
| tblVehicleEF | LDT2 | 0.18        | 0.18        |
| tblVehicleEF | LDT2 | 0.11        | 0.10        |
| tblVehicleEF | LDT2 | 0.18        | 0.14        |
| tblVehicleEF | LDT2 | 1.9220e-003 | 1.9830e-003 |
| tblVehicleEF | LDT2 | 3.3610e-003 | 3.7230e-003 |
| tblVehicleEF | LDT2 | 1.7830e-003 | 1.8400e-003 |
| tblVehicleEF | LDT2 | 3.1180e-003 | 3.4540e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 0.48        | 0.45        |
| tblVehicleEF | LDT2 | 0.14        | 0.12        |
| tblVehicleEF | LDT2 | 4.8080e-003 | 4.8150e-003 |
| tblVehicleEF | LDT2 | 1.0410e-003 | 1.0360e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.03        | 0.03        |
| tblVehicleEF | LDT2 | 0.48        | 0.45        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LHD1 | 1.2780e-003 | 1.2420e-003 |
| tblVehicleEF | LHD1 | 0.01        | 9.7370e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 0.19        | 0.18        |
| tblVehicleEF | LHD1 | 0.99        | 0.81        |
| tblVehicleEF | LHD1 | 4.05        | 3.65        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 7.70        | 7.70        |
| tblVehicleEF | LHD1 | 528.12      | 529.38      |
| tblVehicleEF | LHD1 | 41.54       | 41.72       |
| tblVehicleEF | LHD1 | 0.04        | 0.04        |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 0.98        | 0.85        |
| tblVehicleEF | LHD1 | 1.30        | 1.23        |
| tblVehicleEF | LHD1 | 4.7900e-004 | 4.7700e-004 |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 8.9560e-003 | 8.9540e-003 |
| tblVehicleEF | LHD1 | 6.6480e-003 | 6.0830e-003 |
| tblVehicleEF | LHD1 | 9.0800e-004 | 7.6100e-004 |
| tblVehicleEF | LHD1 | 4.4100e-004 | 4.3800e-004 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 6.1210e-003 | 5.6000e-003 |
| tblVehicleEF | LHD1 | 8.4000e-004 | 7.0600e-004 |
| tblVehicleEF | LHD1 | 2.6250e-003 | 2.4700e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.07        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 1.6290e-003 | 1.5850e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.06        |
| tblVehicleEF | LHD1 | 0.42        | 0.40        |
| tblVehicleEF | LHD1 | 0.37        | 0.32        |
| tblVehicleEF | LHD1 | 5.8180e-003 | 5.8290e-003 |
| tblVehicleEF | LHD1 | 5.3600e-004 | 5.3000e-004 |
| tblVehicleEF | LHD1 | 2.6250e-003 | 2.4700e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.07        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 1.6290e-003 | 1.5850e-003 |
| tblVehicleEF | LHD1 | 0.09        | 0.07        |
| tblVehicleEF | LHD1 | 0.42        | 0.40        |
| tblVehicleEF | LHD1 | 0.39        | 0.34        |
| tblVehicleEF | LHD1 | 1.2780e-003 | 1.2420e-003 |
| tblVehicleEF | LHD1 | 0.01        | 9.7370e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 0.19        | 0.18        |
| tblVehicleEF | LHD1 | 1.01        | 0.82        |
| tblVehicleEF | LHD1 | 3.28        | 2.96        |
| tblVehicleEF | LHD1 | 7.70        | 7.70        |
| tblVehicleEF | LHD1 | 528.12      | 529.38      |
| tblVehicleEF | LHD1 | 41.54       | 41.72       |
| tblVehicleEF | LHD1 | 0.04        | 0.04        |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 0.91        | 0.79        |
| tblVehicleEF | LHD1 | 1.25        | 1.19        |
| tblVehicleEF | LHD1 | 4.7900e-004 | 4.7700e-004 |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 8.9560e-003 | 8.9540e-003 |
| tblVehicleEF | LHD1 | 6.6480e-003 | 6.0830e-003 |
| tblVehicleEF | LHD1 | 9.0800e-004 | 7.6100e-004 |
| tblVehicleEF | LHD1 | 4.4100e-004 | 4.3800e-004 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 6.1210e-003 | 5.6000e-003 |
| tblVehicleEF | LHD1 | 8.4000e-004 | 7.0600e-004 |
| tblVehicleEF | LHD1 | 4.1230e-003 | 3.8730e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.07        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5230e-003 | 2.4310e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.06        |
| tblVehicleEF | LHD1 | 0.41        | 0.39        |
| tblVehicleEF | LHD1 | 0.32        | 0.28        |
| tblVehicleEF | LHD1 | 5.8180e-003 | 5.8290e-003 |
| tblVehicleEF | LHD1 | 5.2300e-004 | 5.1800e-004 |
| tblVehicleEF | LHD1 | 4.1230e-003 | 3.8730e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.07        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5230e-003 | 2.4310e-003 |
| tblVehicleEF | LHD1 | 0.09        | 0.07        |
| tblVehicleEF | LHD1 | 0.41        | 0.39        |
| tblVehicleEF | LHD1 | 0.35        | 0.30        |
| tblVehicleEF | LHD1 | 1.2780e-003 | 1.2420e-003 |
| tblVehicleEF | LHD1 | 0.01        | 9.7370e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 0.19        | 0.18        |
| tblVehicleEF | LHD1 | 0.99        | 0.81        |
| tblVehicleEF | LHD1 | 4.08        | 3.68        |
| tblVehicleEF | LHD1 | 7.70        | 7.70        |
| tblVehicleEF | LHD1 | 528.12      | 529.38      |
| tblVehicleEF | LHD1 | 41.54       | 41.72       |
| tblVehicleEF | LHD1 | 0.04        | 0.04        |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 0.96        | 0.83        |
| tblVehicleEF | LHD1 | 1.31        | 1.24        |
| tblVehicleEF | LHD1 | 4.7900e-004 | 4.7700e-004 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 8.9560e-003 | 8.9540e-003 |
| tblVehicleEF | LHD1 | 6.6480e-003 | 6.0830e-003 |
| tblVehicleEF | LHD1 | 9.0800e-004 | 7.6100e-004 |
| tblVehicleEF | LHD1 | 4.4100e-004 | 4.3800e-004 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 6.1210e-003 | 5.6000e-003 |
| tblVehicleEF | LHD1 | 8.4000e-004 | 7.0600e-004 |
| tblVehicleEF | LHD1 | 2.7730e-003 | 2.5660e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 1.6400e-003 | 1.5860e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.06        |
| tblVehicleEF | LHD1 | 0.45        | 0.44        |
| tblVehicleEF | LHD1 | 0.37        | 0.32        |
| tblVehicleEF | LHD1 | 5.8180e-003 | 5.8290e-003 |
| tblVehicleEF | LHD1 | 5.3600e-004 | 5.3100e-004 |
| tblVehicleEF | LHD1 | 2.7730e-003 | 2.5660e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 1.6400e-003 | 1.5860e-003 |
| tblVehicleEF | LHD1 | 0.09        | 0.07        |
| tblVehicleEF | LHD1 | 0.45        | 0.44        |
| tblVehicleEF | LHD1 | 0.39        | 0.34        |
| tblVehicleEF | LHD2 | 1.0000e-003 | 9.7700e-004 |
| tblVehicleEF | LHD2 | 7.6760e-003 | 6.5600e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 0.15        | 0.15        |



|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.65        | 0.55        |
| tblVehicleEF | LHD2 | 2.34        | 2.09        |
| tblVehicleEF | LHD2 | 8.48        | 8.48        |
| tblVehicleEF | LHD2 | 509.57      | 510.07      |
| tblVehicleEF | LHD2 | 28.34       | 28.48       |
| tblVehicleEF | LHD2 | 6.7260e-003 | 6.8350e-003 |
| tblVehicleEF | LHD2 | 0.10        | 0.10        |
| tblVehicleEF | LHD2 | 1.56        | 1.33        |
| tblVehicleEF | LHD2 | 0.86        | 0.80        |
| tblVehicleEF | LHD2 | 1.0450e-003 | 1.0370e-003 |
| tblVehicleEF | LHD2 | 0.06        | 0.06        |
| tblVehicleEF | LHD2 | 9.9790e-003 | 9.9800e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.7300e-004 | 3.7700e-004 |
| tblVehicleEF | LHD2 | 9.6200e-004 | 9.5400e-004 |
| tblVehicleEF | LHD2 | 0.03        | 0.03        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.3800e-004 | 3.5000e-004 |
| tblVehicleEF | LHD2 | 1.4630e-003 | 1.3330e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 9.5100e-004 | 9.0900e-004 |
| tblVehicleEF | LHD2 | 0.07        | 0.06        |
| tblVehicleEF | LHD2 | 0.24        | 0.22        |
| tblVehicleEF | LHD2 | 0.22        | 0.18        |
| tblVehicleEF | LHD2 | 5.5450e-003 | 5.5490e-003 |
| tblVehicleEF | LHD2 | 3.5800e-004 | 3.5500e-004 |
| tblVehicleEF | LHD2 | 1.4630e-003 | 1.3330e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.04        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 9.5100e-004 | 9.0900e-004 |
| tblVehicleEF | LHD2 | 0.08        | 0.07        |
| tblVehicleEF | LHD2 | 0.24        | 0.22        |
| tblVehicleEF | LHD2 | 0.23        | 0.20        |
| tblVehicleEF | LHD2 | 1.0000e-003 | 9.7700e-004 |
| tblVehicleEF | LHD2 | 7.6760e-003 | 6.5600e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 0.15        | 0.15        |
| tblVehicleEF | LHD2 | 0.66        | 0.56        |
| tblVehicleEF | LHD2 | 1.90        | 1.70        |
| tblVehicleEF | LHD2 | 8.48        | 8.48        |
| tblVehicleEF | LHD2 | 509.57      | 510.07      |
| tblVehicleEF | LHD2 | 28.34       | 28.48       |
| tblVehicleEF | LHD2 | 6.7260e-003 | 6.8350e-003 |
| tblVehicleEF | LHD2 | 0.10        | 0.10        |
| tblVehicleEF | LHD2 | 1.47        | 1.25        |
| tblVehicleEF | LHD2 | 0.82        | 0.77        |
| tblVehicleEF | LHD2 | 1.0450e-003 | 1.0370e-003 |
| tblVehicleEF | LHD2 | 0.06        | 0.06        |
| tblVehicleEF | LHD2 | 9.9790e-003 | 9.9800e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.7300e-004 | 3.7700e-004 |
| tblVehicleEF | LHD2 | 9.6200e-004 | 9.5400e-004 |
| tblVehicleEF | LHD2 | 0.03        | 0.03        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.3800e-004 | 3.5000e-004 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 2.2700e-003 | 2.0650e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 1.4440e-003 | 1.3650e-003 |
| tblVehicleEF | LHD2 | 0.07        | 0.06        |
| tblVehicleEF | LHD2 | 0.23        | 0.21        |
| tblVehicleEF | LHD2 | 0.19        | 0.16        |
| tblVehicleEF | LHD2 | 5.5450e-003 | 5.5490e-003 |
| tblVehicleEF | LHD2 | 3.5000e-004 | 3.4800e-004 |
| tblVehicleEF | LHD2 | 2.2700e-003 | 2.0650e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 1.4440e-003 | 1.3650e-003 |
| tblVehicleEF | LHD2 | 0.08        | 0.07        |
| tblVehicleEF | LHD2 | 0.23        | 0.21        |
| tblVehicleEF | LHD2 | 0.21        | 0.18        |
| tblVehicleEF | LHD2 | 1.0000e-003 | 9.7700e-004 |
| tblVehicleEF | LHD2 | 7.6760e-003 | 6.5600e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 0.15        | 0.15        |
| tblVehicleEF | LHD2 | 0.65        | 0.55        |
| tblVehicleEF | LHD2 | 2.37        | 2.12        |
| tblVehicleEF | LHD2 | 8.48        | 8.48        |
| tblVehicleEF | LHD2 | 509.57      | 510.07      |
| tblVehicleEF | LHD2 | 28.34       | 28.48       |
| tblVehicleEF | LHD2 | 6.7260e-003 | 6.8350e-003 |
| tblVehicleEF | LHD2 | 0.10        | 0.10        |
| tblVehicleEF | LHD2 | 1.53        | 1.30        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.86        | 0.81        |
| tblVehicleEF | LHD2 | 1.0450e-003 | 1.0370e-003 |
| tblVehicleEF | LHD2 | 0.06        | 0.06        |
| tblVehicleEF | LHD2 | 9.9790e-003 | 9.9800e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.7300e-004 | 3.7700e-004 |
| tblVehicleEF | LHD2 | 9.6200e-004 | 9.5400e-004 |
| tblVehicleEF | LHD2 | 0.03        | 0.03        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.3800e-004 | 3.5000e-004 |
| tblVehicleEF | LHD2 | 1.5110e-003 | 1.3460e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 9.4300e-004 | 8.9500e-004 |
| tblVehicleEF | LHD2 | 0.07        | 0.06        |
| tblVehicleEF | LHD2 | 0.26        | 0.24        |
| tblVehicleEF | LHD2 | 0.22        | 0.19        |
| tblVehicleEF | LHD2 | 5.5450e-003 | 5.5490e-003 |
| tblVehicleEF | LHD2 | 3.5800e-004 | 3.5500e-004 |
| tblVehicleEF | LHD2 | 1.5110e-003 | 1.3460e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 9.4300e-004 | 8.9500e-004 |
| tblVehicleEF | LHD2 | 0.08        | 0.07        |
| tblVehicleEF | LHD2 | 0.26        | 0.24        |
| tblVehicleEF | LHD2 | 0.23        | 0.20        |
| tblVehicleEF | MCY  | 20.61       | 20.09       |
| tblVehicleEF | MCY  | 10.01       | 10.06       |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 141.43      | 142.62      |
| tblVehicleEF | MCY | 38.50       | 37.84       |
| tblVehicleEF | MCY | 4.4000e-003 | 4.3080e-003 |
| tblVehicleEF | MCY | 1.16        | 1.15        |
| tblVehicleEF | MCY | 0.31        | 0.31        |
| tblVehicleEF | MCY | 3.1500e-004 | 2.7700e-004 |
| tblVehicleEF | MCY | 9.6300e-004 | 8.3500e-004 |
| tblVehicleEF | MCY | 2.6400e-004 | 2.3600e-004 |
| tblVehicleEF | MCY | 8.0000e-004 | 7.0500e-004 |
| tblVehicleEF | MCY | 0.98        | 0.98        |
| tblVehicleEF | MCY | 0.41        | 0.41        |
| tblVehicleEF | MCY | 0.55        | 0.55        |
| tblVehicleEF | MCY | 2.39        | 2.37        |
| tblVehicleEF | MCY | 1.24        | 1.19        |
| tblVehicleEF | MCY | 2.06        | 2.05        |
| tblVehicleEF | MCY | 1.9700e-003 | 1.9740e-003 |
| tblVehicleEF | MCY | 6.5000e-004 | 6.4300e-004 |
| tblVehicleEF | MCY | 0.98        | 0.98        |
| tblVehicleEF | MCY | 0.41        | 0.41        |
| tblVehicleEF | MCY | 0.55        | 0.55        |
| tblVehicleEF | MCY | 2.62        | 2.60        |
| tblVehicleEF | MCY | 1.24        | 1.19        |
| tblVehicleEF | MCY | 2.21        | 2.20        |
| tblVehicleEF | MCY | 19.99       | 19.50       |
| tblVehicleEF | MCY | 8.80        | 8.82        |
| tblVehicleEF | MCY | 141.43      | 142.62      |
| tblVehicleEF | MCY | 38.50       | 37.84       |
| tblVehicleEF | MCY | 4.4000e-003 | 4.3080e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 1.01        | 1.01        |
| tblVehicleEF | MCY | 0.29        | 0.29        |
| tblVehicleEF | MCY | 3.1500e-004 | 2.7700e-004 |
| tblVehicleEF | MCY | 9.6300e-004 | 8.3500e-004 |
| tblVehicleEF | MCY | 2.6400e-004 | 2.3600e-004 |
| tblVehicleEF | MCY | 8.0000e-004 | 7.0500e-004 |
| tblVehicleEF | MCY | 1.66        | 1.67        |
| tblVehicleEF | MCY | 0.51        | 0.51        |
| tblVehicleEF | MCY | 1.05        | 1.05        |
| tblVehicleEF | MCY | 2.33        | 2.31        |
| tblVehicleEF | MCY | 1.16        | 1.11        |
| tblVehicleEF | MCY | 1.81        | 1.80        |
| tblVehicleEF | MCY | 1.9590e-003 | 1.9640e-003 |
| tblVehicleEF | MCY | 6.2300e-004 | 6.1600e-004 |
| tblVehicleEF | MCY | 1.66        | 1.67        |
| tblVehicleEF | MCY | 0.51        | 0.51        |
| tblVehicleEF | MCY | 1.05        | 1.05        |
| tblVehicleEF | MCY | 2.56        | 2.55        |
| tblVehicleEF | MCY | 1.16        | 1.11        |
| tblVehicleEF | MCY | 1.95        | 1.93        |
| tblVehicleEF | MCY | 20.49       | 19.97       |
| tblVehicleEF | MCY | 10.06       | 10.12       |
| tblVehicleEF | MCY | 141.43      | 142.62      |
| tblVehicleEF | MCY | 38.50       | 37.84       |
| tblVehicleEF | MCY | 4.4000e-003 | 4.3080e-003 |
| tblVehicleEF | MCY | 1.13        | 1.12        |
| tblVehicleEF | MCY | 0.31        | 0.31        |
| tblVehicleEF | MCY | 3.1500e-004 | 2.7700e-004 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 9.6300e-004 | 8.3500e-004 |
| tblVehicleEF | MCY | 2.6400e-004 | 2.3600e-004 |
| tblVehicleEF | MCY | 8.0000e-004 | 7.0500e-004 |
| tblVehicleEF | MCY | 1.10        | 1.10        |
| tblVehicleEF | MCY | 0.54        | 0.54        |
| tblVehicleEF | MCY | 0.54        | 0.54        |
| tblVehicleEF | MCY | 2.39        | 2.37        |
| tblVehicleEF | MCY | 1.48        | 1.43        |
| tblVehicleEF | MCY | 2.08        | 2.06        |
| tblVehicleEF | MCY | 1.9680e-003 | 1.9730e-003 |
| tblVehicleEF | MCY | 6.5100e-004 | 6.4400e-004 |
| tblVehicleEF | MCY | 1.10        | 1.10        |
| tblVehicleEF | MCY | 0.54        | 0.54        |
| tblVehicleEF | MCY | 0.54        | 0.54        |
| tblVehicleEF | MCY | 2.62        | 2.60        |
| tblVehicleEF | MCY | 1.48        | 1.43        |
| tblVehicleEF | MCY | 2.23        | 2.21        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 1.78        | 1.52        |
| tblVehicleEF | MDV | 3.77        | 3.26        |
| tblVehicleEF | MDV | 488.73      | 477.62      |
| tblVehicleEF | MDV | 102.89      | 100.49      |
| tblVehicleEF | MDV | 0.14        | 0.14        |
| tblVehicleEF | MDV | 0.22        | 0.18        |
| tblVehicleEF | MDV | 0.35        | 0.30        |
| tblVehicleEF | MDV | 2.1720e-003 | 2.1510e-003 |
| tblVehicleEF | MDV | 3.5290e-003 | 3.7110e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 2.0090e-003 | 1.9940e-003 |
| tblVehicleEF | MDV | 3.2670e-003 | 3.4420e-003 |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.20        | 0.20        |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.60        | 0.59        |
| tblVehicleEF | MDV | 0.32        | 0.27        |
| tblVehicleEF | MDV | 6.2060e-003 | 6.2200e-003 |
| tblVehicleEF | MDV | 1.3410e-003 | 1.3350e-003 |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.20        | 0.20        |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.07        | 0.06        |
| tblVehicleEF | MDV | 0.60        | 0.59        |
| tblVehicleEF | MDV | 0.34        | 0.29        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 1.96        | 1.69        |
| tblVehicleEF | MDV | 2.97        | 2.56        |
| tblVehicleEF | MDV | 514.18      | 502.64      |
| tblVehicleEF | MDV | 102.89      | 100.49      |
| tblVehicleEF | MDV | 0.14        | 0.14        |
| tblVehicleEF | MDV | 0.19        | 0.16        |
| tblVehicleEF | MDV | 0.33        | 0.28        |
| tblVehicleEF | MDV | 2.1720e-003 | 2.1510e-003 |
| tblVehicleEF | MDV | 3.5290e-003 | 3.7110e-003 |
| tblVehicleEF | MDV | 2.0090e-003 | 1.9940e-003 |



|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 3.2670e-003 | 3.4420e-003 |
| tblVehicleEF | MDV | 0.15        | 0.14        |
| tblVehicleEF | MDV | 0.21        | 0.21        |
| tblVehicleEF | MDV | 0.13        | 0.13        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.57        | 0.56        |
| tblVehicleEF | MDV | 0.27        | 0.23        |
| tblVehicleEF | MDV | 6.5340e-003 | 6.5500e-003 |
| tblVehicleEF | MDV | 1.3270e-003 | 1.3220e-003 |
| tblVehicleEF | MDV | 0.15        | 0.14        |
| tblVehicleEF | MDV | 0.21        | 0.21        |
| tblVehicleEF | MDV | 0.13        | 0.13        |
| tblVehicleEF | MDV | 0.07        | 0.06        |
| tblVehicleEF | MDV | 0.57        | 0.56        |
| tblVehicleEF | MDV | 0.29        | 0.24        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 1.72        | 1.46        |
| tblVehicleEF | MDV | 3.88        | 3.37        |
| tblVehicleEF | MDV | 481.27      | 470.30      |
| tblVehicleEF | MDV | 102.89      | 100.49      |
| tblVehicleEF | MDV | 0.14        | 0.14        |
| tblVehicleEF | MDV | 0.21        | 0.18        |
| tblVehicleEF | MDV | 0.36        | 0.30        |
| tblVehicleEF | MDV | 2.1720e-003 | 2.1510e-003 |
| tblVehicleEF | MDV | 3.5290e-003 | 3.7110e-003 |
| tblVehicleEF | MDV | 2.0090e-003 | 1.9940e-003 |
| tblVehicleEF | MDV | 3.2670e-003 | 3.4420e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.09        | 0.08        |
| tblVehicleEF | MDV | 0.22        | 0.21        |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.04        | 0.04        |
| tblVehicleEF | MDV | 0.70        | 0.68        |
| tblVehicleEF | MDV | 0.32        | 0.27        |
| tblVehicleEF | MDV | 6.1110e-003 | 6.1240e-003 |
| tblVehicleEF | MDV | 1.3430e-003 | 1.3360e-003 |
| tblVehicleEF | MDV | 0.09        | 0.08        |
| tblVehicleEF | MDV | 0.22        | 0.21        |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.07        | 0.06        |
| tblVehicleEF | MDV | 0.70        | 0.68        |
| tblVehicleEF | MDV | 0.34        | 0.29        |
| tblVehicleEF | MH  | 1.60        | 1.00        |
| tblVehicleEF | MH  | 6.03        | 5.23        |
| tblVehicleEF | MH  | 602.71      | 604.56      |
| tblVehicleEF | MH  | 27.93       | 27.82       |
| tblVehicleEF | MH  | 2.1590e-003 | 2.2880e-003 |
| tblVehicleEF | MH  | 1.25        | 1.08        |
| tblVehicleEF | MH  | 0.68        | 0.62        |
| tblVehicleEF | MH  | 0.05        | 0.05        |
| tblVehicleEF | MH  | 8.5800e-003 | 8.5810e-003 |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 6.4900e-004 | 4.6700e-004 |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 5.9600e-004 | 4.3400e-004 |

|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.95        | 0.79        |
| tblVehicleEF | MH | 0.06        | 0.05        |
| tblVehicleEF | MH | 0.39        | 0.34        |
| tblVehicleEF | MH | 0.06        | 0.05        |
| tblVehicleEF | MH | 1.59        | 1.32        |
| tblVehicleEF | MH | 0.34        | 0.29        |
| tblVehicleEF | MH | 6.6390e-003 | 6.6500e-003 |
| tblVehicleEF | MH | 4.1500e-004 | 4.0000e-004 |
| tblVehicleEF | MH | 0.95        | 0.79        |
| tblVehicleEF | MH | 0.06        | 0.05        |
| tblVehicleEF | MH | 0.39        | 0.34        |
| tblVehicleEF | MH | 0.08        | 0.06        |
| tblVehicleEF | MH | 1.59        | 1.32        |
| tblVehicleEF | MH | 0.36        | 0.30        |
| tblVehicleEF | MH | 1.64        | 1.03        |
| tblVehicleEF | MH | 4.81        | 4.19        |
| tblVehicleEF | MH | 602.71      | 604.56      |
| tblVehicleEF | MH | 27.93       | 27.82       |
| tblVehicleEF | MH | 2.1590e-003 | 2.2880e-003 |
| tblVehicleEF | MH | 1.15        | 1.00        |
| tblVehicleEF | MH | 0.66        | 0.60        |
| tblVehicleEF | MH | 0.05        | 0.05        |
| tblVehicleEF | MH | 8.5800e-003 | 8.5810e-003 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 6.4900e-004 | 4.6700e-004 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 5.9600e-004 | 4.3400e-004 |

|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 1.47        | 1.22        |
| tblVehicleEF | MH | 0.07        | 0.05        |
| tblVehicleEF | MH | 0.61        | 0.53        |
| tblVehicleEF | MH | 0.06        | 0.05        |
| tblVehicleEF | MH | 1.56        | 1.29        |
| tblVehicleEF | MH | 0.29        | 0.25        |
| tblVehicleEF | MH | 6.6400e-003 | 6.6500e-003 |
| tblVehicleEF | MH | 3.9500e-004 | 3.8200e-004 |
| tblVehicleEF | MH | 1.47        | 1.22        |
| tblVehicleEF | MH | 0.07        | 0.05        |
| tblVehicleEF | MH | 0.61        | 0.53        |
| tblVehicleEF | MH | 0.08        | 0.06        |
| tblVehicleEF | MH | 1.56        | 1.29        |
| tblVehicleEF | MH | 0.31        | 0.27        |
| tblVehicleEF | MH | 1.59        | 1.00        |
| tblVehicleEF | MH | 6.06        | 5.25        |
| tblVehicleEF | MH | 602.71      | 604.56      |
| tblVehicleEF | MH | 27.93       | 27.82       |
| tblVehicleEF | MH | 2.1590e-003 | 2.2880e-003 |
| tblVehicleEF | MH | 1.22        | 1.06        |
| tblVehicleEF | MH | 0.69        | 0.62        |
| tblVehicleEF | MH | 0.05        | 0.05        |
| tblVehicleEF | MH | 8.5800e-003 | 8.5810e-003 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 6.4900e-004 | 4.6700e-004 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 5.9600e-004 | 4.3400e-004 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MH  | 1.07        | 0.87        |
| tblVehicleEF | MH  | 0.08        | 0.06        |
| tblVehicleEF | MH  | 0.41        | 0.35        |
| tblVehicleEF | MH  | 0.06        | 0.05        |
| tblVehicleEF | MH  | 1.68        | 1.40        |
| tblVehicleEF | MH  | 0.34        | 0.29        |
| tblVehicleEF | MH  | 6.6390e-003 | 6.6500e-003 |
| tblVehicleEF | MH  | 4.1600e-004 | 4.0000e-004 |
| tblVehicleEF | MH  | 1.07        | 0.87        |
| tblVehicleEF | MH  | 0.08        | 0.06        |
| tblVehicleEF | MH  | 0.41        | 0.35        |
| tblVehicleEF | MH  | 0.08        | 0.06        |
| tblVehicleEF | MH  | 1.68        | 1.40        |
| tblVehicleEF | MH  | 0.36        | 0.31        |
| tblVehicleEF | MHD | 7.4570e-003 | 8.1650e-003 |
| tblVehicleEF | MHD | 3.5450e-003 | 3.3250e-003 |
| tblVehicleEF | MHD | 1.89        | 2.07        |
| tblVehicleEF | MHD | 0.68        | 0.56        |
| tblVehicleEF | MHD | 14.44       | 12.47       |
| tblVehicleEF | MHD | 572.02      | 572.08      |
| tblVehicleEF | MHD | 914.53      | 913.05      |
| tblVehicleEF | MHD | 49.60       | 49.32       |
| tblVehicleEF | MHD | 0.02        | 0.02        |
| tblVehicleEF | MHD | 4.69        | 3.42        |
| tblVehicleEF | MHD | 1.64        | 1.04        |
| tblVehicleEF | MHD | 1.62        | 1.43        |
| tblVehicleEF | MHD | 0.01        | 7.9640e-003 |
| tblVehicleEF | MHD | 0.11        | 0.11        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.3970e-003 | 1.0860e-003 |
| tblVehicleEF | MHD | 0.01        | 7.3270e-003 |
| tblVehicleEF | MHD | 0.05        | 0.05        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.2800e-003 | 1.0070e-003 |
| tblVehicleEF | MHD | 2.3690e-003 | 2.1250e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.16        | 0.18        |
| tblVehicleEF | MHD | 1.5020e-003 | 1.4000e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.42        | 0.40        |
| tblVehicleEF | MHD | 0.86        | 0.73        |
| tblVehicleEF | MHD | 9.7500e-003 | 9.7330e-003 |
| tblVehicleEF | MHD | 8.0400e-004 | 7.6600e-004 |
| tblVehicleEF | MHD | 2.3690e-003 | 2.1250e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.18        | 0.20        |
| tblVehicleEF | MHD | 1.5020e-003 | 1.4000e-003 |
| tblVehicleEF | MHD | 0.11        | 0.10        |
| tblVehicleEF | MHD | 0.42        | 0.40        |
| tblVehicleEF | MHD | 0.92        | 0.78        |
| tblVehicleEF | MHD | 7.0270e-003 | 7.6940e-003 |
| tblVehicleEF | MHD | 3.5450e-003 | 3.3250e-003 |
| tblVehicleEF | MHD | 1.37        | 1.51        |
| tblVehicleEF | MHD | 0.69        | 0.57        |
| tblVehicleEF | MHD | 11.64       | 10.06       |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 606.00      | 606.07      |
| tblVehicleEF | MHD | 914.53      | 913.05      |
| tblVehicleEF | MHD | 49.60       | 49.32       |
| tblVehicleEF | MHD | 0.02        | 0.02        |
| tblVehicleEF | MHD | 4.84        | 3.53        |
| tblVehicleEF | MHD | 1.54        | 0.97        |
| tblVehicleEF | MHD | 1.56        | 1.37        |
| tblVehicleEF | MHD | 9.3480e-003 | 6.7140e-003 |
| tblVehicleEF | MHD | 0.11        | 0.11        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.3970e-003 | 1.0860e-003 |
| tblVehicleEF | MHD | 8.6000e-003 | 6.1770e-003 |
| tblVehicleEF | MHD | 0.05        | 0.05        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.2800e-003 | 1.0070e-003 |
| tblVehicleEF | MHD | 3.6600e-003 | 3.2710e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.15        | 0.17        |
| tblVehicleEF | MHD | 2.2910e-003 | 2.1040e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.41        | 0.39        |
| tblVehicleEF | MHD | 0.76        | 0.65        |
| tblVehicleEF | MHD | 6.4240e-003 | 6.4250e-003 |
| tblVehicleEF | MHD | 9.7500e-003 | 9.7330e-003 |
| tblVehicleEF | MHD | 7.5700e-004 | 7.2500e-004 |
| tblVehicleEF | MHD | 3.6600e-003 | 3.2710e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.17        | 0.19        |
| tblVehicleEF | MHD | 2.2910e-003 | 2.1040e-003 |
| tblVehicleEF | MHD | 0.11        | 0.10        |
| tblVehicleEF | MHD | 0.41        | 0.39        |
| tblVehicleEF | MHD | 0.81        | 0.69        |
| tblVehicleEF | MHD | 8.0500e-003 | 8.8140e-003 |
| tblVehicleEF | MHD | 3.5450e-003 | 3.3250e-003 |
| tblVehicleEF | MHD | 2.60        | 2.85        |
| tblVehicleEF | MHD | 0.68        | 0.56        |
| tblVehicleEF | MHD | 14.78       | 12.76       |
| tblVehicleEF | MHD | 525.09      | 525.15      |
| tblVehicleEF | MHD | 914.53      | 913.05      |
| tblVehicleEF | MHD | 49.60       | 49.32       |
| tblVehicleEF | MHD | 0.02        | 0.02        |
| tblVehicleEF | MHD | 4.48        | 3.27        |
| tblVehicleEF | MHD | 1.60        | 1.02        |
| tblVehicleEF | MHD | 1.63        | 1.44        |
| tblVehicleEF | MHD | 0.01        | 9.6910e-003 |
| tblVehicleEF | MHD | 0.11        | 0.11        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.3970e-003 | 1.0860e-003 |
| tblVehicleEF | MHD | 0.01        | 8.9150e-003 |
| tblVehicleEF | MHD | 0.05        | 0.05        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.2800e-003 | 1.0070e-003 |
| tblVehicleEF | MHD | 2.5250e-003 | 2.2210e-003 |
| tblVehicleEF | MHD | 0.10        | 0.09        |



|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | MHD  | 0.17        | 0.19        |
| tblVehicleEF | MHD  | 1.5230e-003 | 1.4060e-003 |
| tblVehicleEF | MHD  | 0.09        | 0.08        |
| tblVehicleEF | MHD  | 0.46        | 0.44        |
| tblVehicleEF | MHD  | 0.88        | 0.74        |
| tblVehicleEF | MHD  | 5.5660e-003 | 5.5670e-003 |
| tblVehicleEF | MHD  | 9.7500e-003 | 9.7330e-003 |
| tblVehicleEF | MHD  | 8.1000e-004 | 7.7100e-004 |
| tblVehicleEF | MHD  | 2.5250e-003 | 2.2210e-003 |
| tblVehicleEF | MHD  | 0.10        | 0.09        |
| tblVehicleEF | MHD  | 0.20        | 0.22        |
| tblVehicleEF | MHD  | 1.5230e-003 | 1.4060e-003 |
| tblVehicleEF | MHD  | 0.11        | 0.10        |
| tblVehicleEF | MHD  | 0.46        | 0.44        |
| tblVehicleEF | MHD  | 0.94        | 0.79        |
| tblVehicleEF | OBUS | 0.02        | 0.03        |
| tblVehicleEF | OBUS | 2.7960e-003 | 2.9670e-003 |
| tblVehicleEF | OBUS | 2.74        | 3.30        |
| tblVehicleEF | OBUS | 0.97        | 0.86        |
| tblVehicleEF | OBUS | 8.80        | 7.92        |
| tblVehicleEF | OBUS | 534.88      | 533.47      |
| tblVehicleEF | OBUS | 1,017.03    | 1,018.77    |
| tblVehicleEF | OBUS | 32.78       | 32.73       |
| tblVehicleEF | OBUS | 1.9410e-003 | 1.9660e-003 |
| tblVehicleEF | OBUS | 4.65        | 3.20        |
| tblVehicleEF | OBUS | 2.28        | 1.27        |
| tblVehicleEF | OBUS | 1.24        | 1.12        |
| tblVehicleEF | OBUS | 9.5470e-003 | 8.7920e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.10        | 0.10        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.7800e-004 | 4.9700e-004 |
| tblVehicleEF | OBUS | 8.7830e-003 | 8.0890e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 2.6450e-003 | 2.6520e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.3400e-004 | 4.6100e-004 |
| tblVehicleEF | OBUS | 9.6600e-004 | 9.5100e-004 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.47        | 0.56        |
| tblVehicleEF | OBUS | 5.3100e-004 | 5.3300e-004 |
| tblVehicleEF | OBUS | 0.12        | 0.12        |
| tblVehicleEF | OBUS | 0.33        | 0.33        |
| tblVehicleEF | OBUS | 0.54        | 0.48        |
| tblVehicleEF | OBUS | 5.6700e-003 | 5.6550e-003 |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 5.1900e-004 | 5.0200e-004 |
| tblVehicleEF | OBUS | 9.6600e-004 | 9.5100e-004 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.53        | 0.64        |
| tblVehicleEF | OBUS | 5.3100e-004 | 5.3300e-004 |
| tblVehicleEF | OBUS | 0.14        | 0.13        |
| tblVehicleEF | OBUS | 0.33        | 0.33        |
| tblVehicleEF | OBUS | 0.58        | 0.51        |
| tblVehicleEF | OBUS | 0.02        | 0.02        |
| tblVehicleEF | OBUS | 2.7960e-003 | 2.9670e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 1.99        | 2.40        |
| tblVehicleEF | OBUS | 0.98        | 0.86        |
| tblVehicleEF | OBUS | 7.12        | 6.40        |
| tblVehicleEF | OBUS | 566.66      | 565.16      |
| tblVehicleEF | OBUS | 1,017.03    | 1,018.77    |
| tblVehicleEF | OBUS | 32.78       | 32.73       |
| tblVehicleEF | OBUS | 1.9410e-003 | 1.9660e-003 |
| tblVehicleEF | OBUS | 4.79        | 3.30        |
| tblVehicleEF | OBUS | 2.14        | 1.19        |
| tblVehicleEF | OBUS | 1.19        | 1.08        |
| tblVehicleEF | OBUS | 8.0480e-003 | 7.4120e-003 |
| tblVehicleEF | OBUS | 0.10        | 0.10        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.7800e-004 | 4.9700e-004 |
| tblVehicleEF | OBUS | 7.4040e-003 | 6.8190e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 2.6450e-003 | 2.6520e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.3400e-004 | 4.6100e-004 |
| tblVehicleEF | OBUS | 1.4470e-003 | 1.4230e-003 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.44        | 0.53        |
| tblVehicleEF | OBUS | 7.8300e-004 | 7.8100e-004 |
| tblVehicleEF | OBUS | 0.12        | 0.12        |
| tblVehicleEF | OBUS | 0.32        | 0.32        |
| tblVehicleEF | OBUS | 0.48        | 0.42        |
| tblVehicleEF | OBUS | 6.0070e-003 | 5.9910e-003 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 4.9000e-004 | 4.7700e-004 |
| tblVehicleEF | OBUS | 1.4470e-003 | 1.4230e-003 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.50        | 0.60        |
| tblVehicleEF | OBUS | 7.8300e-004 | 7.8100e-004 |
| tblVehicleEF | OBUS | 0.14        | 0.13        |
| tblVehicleEF | OBUS | 0.32        | 0.32        |
| tblVehicleEF | OBUS | 0.51        | 0.45        |
| tblVehicleEF | OBUS | 0.02        | 0.03        |
| tblVehicleEF | OBUS | 2.7960e-003 | 2.9670e-003 |
| tblVehicleEF | OBUS | 3.78        | 4.55        |
| tblVehicleEF | OBUS | 0.97        | 0.85        |
| tblVehicleEF | OBUS | 8.99        | 8.09        |
| tblVehicleEF | OBUS | 491.00      | 489.70      |
| tblVehicleEF | OBUS | 1,017.03    | 1,018.77    |
| tblVehicleEF | OBUS | 32.78       | 32.73       |
| tblVehicleEF | OBUS | 1.9410e-003 | 1.9660e-003 |
| tblVehicleEF | OBUS | 4.44        | 3.06        |
| tblVehicleEF | OBUS | 2.24        | 1.25        |
| tblVehicleEF | OBUS | 1.25        | 1.13        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 0.10        | 0.10        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.7800e-004 | 4.9700e-004 |
| tblVehicleEF | OBUS | 0.01        | 9.8420e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 2.6450e-003 | 2.6520e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.3400e-004 | 4.6100e-004 |
| tblVehicleEF | OBUS | 9.8600e-004 | 9.5600e-004 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.50        | 0.60        |
| tblVehicleEF | OBUS | 0.12        | 0.12        |
| tblVehicleEF | OBUS | 0.35        | 0.35        |
| tblVehicleEF | OBUS | 0.55        | 0.49        |
| tblVehicleEF | OBUS | 5.2050e-003 | 5.1910e-003 |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 5.2200e-004 | 5.0500e-004 |
| tblVehicleEF | OBUS | 9.8600e-004 | 9.5600e-004 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.57        | 0.69        |
| tblVehicleEF | OBUS | 0.14        | 0.13        |
| tblVehicleEF | OBUS | 0.35        | 0.35        |
| tblVehicleEF | OBUS | 0.58        | 0.52        |
| tblVehicleEF | SBUS | 4.4530e-003 | 4.6460e-003 |
| tblVehicleEF | SBUS | 5.5860e-003 | 5.8530e-003 |
| tblVehicleEF | SBUS | 1.05        | 1.12        |
| tblVehicleEF | SBUS | 2.96        | 2.66        |
| tblVehicleEF | SBUS | 27.16       | 24.72       |
| tblVehicleEF | SBUS | 547.00      | 552.46      |
| tblVehicleEF | SBUS | 1,037.25    | 1,032.35    |
| tblVehicleEF | SBUS | 115.53      | 115.30      |
| tblVehicleEF | SBUS | 5.7400e-004 | 5.6800e-004 |
| tblVehicleEF | SBUS | 7.58        | 7.35        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 7.03        | 6.65        |
| tblVehicleEF | SBUS | 2.02        | 1.89        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.56        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.05        | 0.04        |
| tblVehicleEF | SBUS | 3.6960e-003 | 3.2240e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.24        | 0.24        |
| tblVehicleEF | SBUS | 2.7470e-003 | 2.7410e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.04        |
| tblVehicleEF | SBUS | 3.4060e-003 | 2.9910e-003 |
| tblVehicleEF | SBUS | 0.03        | 0.03        |
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.10        | 0.10        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.30        | 0.28        |
| tblVehicleEF | SBUS | 1.95        | 1.92        |
| tblVehicleEF | SBUS | 1.66        | 1.48        |
| tblVehicleEF | SBUS | 5.7980e-003 | 5.8560e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 1.7600e-003 | 1.7140e-003 |
| tblVehicleEF | SBUS | 0.03        | 0.03        |
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.11        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.33        | 0.31        |
| tblVehicleEF | SBUS | 1.95        | 1.92        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 1.77        | 1.59        |
| tblVehicleEF | SBUS | 4.1970e-003 | 4.3790e-003 |
| tblVehicleEF | SBUS | 5.5860e-003 | 5.8530e-003 |
| tblVehicleEF | SBUS | 0.76        | 0.82        |
| tblVehicleEF | SBUS | 3.03        | 2.73        |
| tblVehicleEF | SBUS | 23.01       | 20.96       |
| tblVehicleEF | SBUS | 579.49      | 585.28      |
| tblVehicleEF | SBUS | 1,037.25    | 1,032.35    |
| tblVehicleEF | SBUS | 115.53      | 115.30      |
| tblVehicleEF | SBUS | 5.7400e-004 | 5.6800e-004 |
| tblVehicleEF | SBUS | 7.82        | 7.58        |
| tblVehicleEF | SBUS | 6.62        | 6.25        |
| tblVehicleEF | SBUS | 1.91        | 1.78        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.56        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.05        | 0.04        |
| tblVehicleEF | SBUS | 3.6960e-003 | 3.2240e-003 |
| tblVehicleEF | SBUS | 0.01        | 9.4430e-003 |
| tblVehicleEF | SBUS | 0.24        | 0.24        |
| tblVehicleEF | SBUS | 2.7470e-003 | 2.7410e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.04        |
| tblVehicleEF | SBUS | 3.4060e-003 | 2.9910e-003 |
| tblVehicleEF | SBUS | 0.05        | 0.05        |
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.09        | 0.09        |
| tblVehicleEF | SBUS | 0.02        | 0.02        |
| tblVehicleEF | SBUS | 0.30        | 0.29        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 1.79        | 1.77        |
| tblVehicleEF | SBUS | 1.49        | 1.33        |
| tblVehicleEF | SBUS | 6.1430e-003 | 6.2040e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 1.6900e-003 | 1.6500e-003 |
| tblVehicleEF | SBUS | 0.05        | 0.05        |
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.10        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 0.02        |
| tblVehicleEF | SBUS | 0.34        | 0.32        |
| tblVehicleEF | SBUS | 1.79        | 1.77        |
| tblVehicleEF | SBUS | 1.59        | 1.42        |
| tblVehicleEF | SBUS | 4.8080e-003 | 5.0160e-003 |
| tblVehicleEF | SBUS | 5.5860e-003 | 5.8530e-003 |
| tblVehicleEF | SBUS | 1.45        | 1.55        |
| tblVehicleEF | SBUS | 2.94        | 2.64        |
| tblVehicleEF | SBUS | 27.94       | 25.44       |
| tblVehicleEF | SBUS | 502.12      | 507.13      |
| tblVehicleEF | SBUS | 1,037.25    | 1,032.35    |
| tblVehicleEF | SBUS | 115.53      | 115.30      |
| tblVehicleEF | SBUS | 5.7400e-004 | 5.6800e-004 |
| tblVehicleEF | SBUS | 7.24        | 7.02        |
| tblVehicleEF | SBUS | 6.92        | 6.54        |
| tblVehicleEF | SBUS | 2.04        | 1.91        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.56        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.05        | 0.04        |



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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 3.6960e-003 | 3.2240e-003 |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.24        | 0.24        |
| tblVehicleEF | SBUS | 2.7470e-003 | 2.7410e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.04        |
| tblVehicleEF | SBUS | 3.4060e-003 | 2.9910e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.03        |
| tblVehicleEF | SBUS | 0.25        | 0.24        |
| tblVehicleEF | SBUS | 0.10        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.29        | 0.28        |
| tblVehicleEF | SBUS | 2.30        | 2.26        |
| tblVehicleEF | SBUS | 1.69        | 1.52        |
| tblVehicleEF | SBUS | 5.3230e-003 | 5.3760e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 1.7730e-003 | 1.7260e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.03        |
| tblVehicleEF | SBUS | 0.25        | 0.24        |
| tblVehicleEF | SBUS | 0.12        | 0.12        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.33        | 0.31        |
| tblVehicleEF | SBUS | 2.30        | 2.26        |
| tblVehicleEF | SBUS | 1.81        | 1.62        |
| tblVehicleEF | UBUS | 4.38        | 4.22        |
| tblVehicleEF | UBUS | 9.86        | 9.55        |
| tblVehicleEF | UBUS | 1,917.54    | 1,907.03    |
| tblVehicleEF | UBUS | 27.32       | 27.40       |
| tblVehicleEF | UBUS | 2.4830e-003 | 2.5030e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 10.91       | 10.49       |
| tblVehicleEF | UBUS | 1.17        | 1.15        |
| tblVehicleEF | UBUS | 0.68        | 0.68        |
| tblVehicleEF | UBUS | 0.18        | 0.17        |
| tblVehicleEF | UBUS | 6.0900e-004 | 5.8900e-004 |
| tblVehicleEF | UBUS | 0.29        | 0.29        |
| tblVehicleEF | UBUS | 0.16        | 0.16        |
| tblVehicleEF | UBUS | 5.6400e-004 | 5.4700e-004 |
| tblVehicleEF | UBUS | 5.4570e-003 | 5.3760e-003 |
| tblVehicleEF | UBUS | 0.09        | 0.09        |
| tblVehicleEF | UBUS | 3.0100e-003 | 2.9670e-003 |
| tblVehicleEF | UBUS | 0.72        | 0.70        |
| tblVehicleEF | UBUS | 0.78        | 0.83        |
| tblVehicleEF | UBUS | 0.73        | 0.71        |
| tblVehicleEF | UBUS | 0.02        | 0.02        |
| tblVehicleEF | UBUS | 4.8100e-004 | 4.7600e-004 |
| tblVehicleEF | UBUS | 5.4570e-003 | 5.3760e-003 |
| tblVehicleEF | UBUS | 0.09        | 0.09        |
| tblVehicleEF | UBUS | 3.0100e-003 | 2.9670e-003 |
| tblVehicleEF | UBUS | 0.80        | 0.78        |
| tblVehicleEF | UBUS | 0.78        | 0.83        |
| tblVehicleEF | UBUS | 0.78        | 0.76        |
| tblVehicleEF | UBUS | 4.44        | 4.28        |
| tblVehicleEF | UBUS | 8.28        | 8.02        |
| tblVehicleEF | UBUS | 1,917.54    | 1,907.03    |
| tblVehicleEF | UBUS | 27.32       | 27.40       |
| tblVehicleEF | UBUS | 2.4830e-003 | 2.5030e-003 |
| tblVehicleEF | UBUS | 10.28       | 9.88        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 1.12        | 1.10        |
| tblVehicleEF | UBUS | 0.68        | 0.68        |
| tblVehicleEF | UBUS | 0.18        | 0.17        |
| tblVehicleEF | UBUS | 6.0900e-004 | 5.8900e-004 |
| tblVehicleEF | UBUS | 0.29        | 0.29        |
| tblVehicleEF | UBUS | 0.16        | 0.16        |
| tblVehicleEF | UBUS | 5.6400e-004 | 5.4700e-004 |
| tblVehicleEF | UBUS | 8.0610e-003 | 7.9260e-003 |
| tblVehicleEF | UBUS | 0.10        | 0.09        |
| tblVehicleEF | UBUS | 4.5490e-003 | 4.4570e-003 |
| tblVehicleEF | UBUS | 0.73        | 0.71        |
| tblVehicleEF | UBUS | 0.73        | 0.77        |
| tblVehicleEF | UBUS | 0.65        | 0.64        |
| tblVehicleEF | UBUS | 0.02        | 0.02        |
| tblVehicleEF | UBUS | 4.5400e-004 | 4.5000e-004 |
| tblVehicleEF | UBUS | 8.0610e-003 | 7.9260e-003 |
| tblVehicleEF | UBUS | 0.10        | 0.09        |
| tblVehicleEF | UBUS | 4.5490e-003 | 4.4570e-003 |
| tblVehicleEF | UBUS | 0.81        | 0.79        |
| tblVehicleEF | UBUS | 0.73        | 0.77        |
| tblVehicleEF | UBUS | 0.70        | 0.68        |
| tblVehicleEF | UBUS | 4.37        | 4.21        |
| tblVehicleEF | UBUS | 9.99        | 9.68        |
| tblVehicleEF | UBUS | 1,917.54    | 1,907.03    |
| tblVehicleEF | UBUS | 27.32       | 27.40       |
| tblVehicleEF | UBUS | 2.4830e-003 | 2.5030e-003 |
| tblVehicleEF | UBUS | 10.70       | 10.29       |
| tblVehicleEF | UBUS | 1.18        | 1.15        |

|                 |                 |             |             |
|-----------------|-----------------|-------------|-------------|
| tblVehicleEF    | UBUS            | 0.68        | 0.68        |
| tblVehicleEF    | UBUS            | 0.18        | 0.17        |
| tblVehicleEF    | UBUS            | 6.0900e-004 | 5.8900e-004 |
| tblVehicleEF    | UBUS            | 0.29        | 0.29        |
| tblVehicleEF    | UBUS            | 0.16        | 0.16        |
| tblVehicleEF    | UBUS            | 5.6400e-004 | 5.4700e-004 |
| tblVehicleEF    | UBUS            | 6.2690e-003 | 6.1660e-003 |
| tblVehicleEF    | UBUS            | 0.12        | 0.11        |
| tblVehicleEF    | UBUS            | 3.2440e-003 | 3.1950e-003 |
| tblVehicleEF    | UBUS            | 0.72        | 0.70        |
| tblVehicleEF    | UBUS            | 0.92        | 0.97        |
| tblVehicleEF    | UBUS            | 0.73        | 0.72        |
| tblVehicleEF    | UBUS            | 0.02        | 0.02        |
| tblVehicleEF    | UBUS            | 4.8300e-004 | 4.7900e-004 |
| tblVehicleEF    | UBUS            | 6.2690e-003 | 6.1660e-003 |
| tblVehicleEF    | UBUS            | 0.12        | 0.11        |
| tblVehicleEF    | UBUS            | 3.2440e-003 | 3.1950e-003 |
| tblVehicleEF    | UBUS            | 0.80        | 0.77        |
| tblVehicleEF    | UBUS            | 0.92        | 0.97        |
| tblVehicleEF    | UBUS            | 0.78        | 0.77        |
| tblVehicleTrips | ST_TR           | 1.59        | 35.00       |
| tblVehicleTrips | SU_TR           | 1.59        | 35.00       |
| tblVehicleTrips | WD_TR           | 1.59        | 35.00       |
| tblVehicleTrips | WD_TR           | 6.59        | 5.88        |
| tblVehicleTrips | WD_TR           | 27.92       | 10.64       |
| tblVehicleTrips | WD_TR           | 56.24       | 38.41       |
| tblVehicleTrips | WD_TR           | 42.94       | 101.19      |
| tblWoodstoves   | NumberCatalytic | 39.00       | 0.00        |

|              |                    |        |      |
|--------------|--------------------|--------|------|
| tbWoodstoves | NumberNoncatalytic | 39.00  | 0.00 |
| tbWoodstoves | WoodstoveDayYear   | 25.00  | 0.00 |
| tbWoodstoves | WoodstoveWoodMass  | 999.60 | 0.00 |

## 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        |                     |                     |                |               |                     |
| 2016         | 19.0469         | 161.6853        | 193.8570          | 0.3886        | 23.0128         | 6.5084         | 29.5212         | 7.8547         | 6.0259         | 13.8806        | 0.0000        | 36,523.5374         | 36,523.5374         | 3.4037         | 0.0000        | 36,595.0150         |
| 2017         | 37.7084         | 149.2067        | 181.1991          | 0.3884        | 26.2319         | 5.9670         | 32.1989         | 8.6450         | 5.5240         | 14.1690        | 0.0000        | 35,641.3255         | 35,641.3255         | 3.3332         | 0.0000        | 35,711.3231         |
| 2018         | 46.5232         | 73.8943         | 139.5446          | 0.3251        | 17.7166         | 3.1280         | 20.8446         | 4.7419         | 2.9204         | 7.6624         | 0.0000        | 27,878.4395         | 27,878.4395         | 2.1422         | 0.0000        | 27,923.4258         |
| 2019         | 47.5670         | 135.3750        | 167.8930          | 0.4240        | 23.6533         | 5.6473         | 28.4575         | 8.0279         | 5.2243         | 12.4745        | 0.0000        | 37,440.6680         | 37,440.6680         | 3.9602         | 0.0000        | 37,523.8331         |
| 2020         | 14.7810         | 124.7773        | 166.2826          | 0.4481        | 24.2259         | 4.4808         | 28.7067         | 8.1871         | 4.1457         | 12.3327        | 0.0000        | 38,685.5928         | 38,685.5928         | 3.2268         | 0.0000        | 38,753.3562         |
| 2021         | 65.7112         | 40.9887         | 105.9604          | 0.3003        | 17.5493         | 1.5015         | 19.0508         | 4.6976         | 1.4091         | 6.1067         | 0.0000        | 23,711.9153         | 23,711.9153         | 1.2915         | 0.0000        | 23,739.0370         |
| 2022         | 65.2572         | 37.1682         | 101.6335          | 0.3002        | 17.5493         | 1.3361         | 18.8855         | 4.6976         | 1.2535         | 5.9512         | 0.0000        | 23,479.9852         | 23,479.9852         | 1.2617         | 0.0000        | 23,506.4808         |
| <b>Total</b> | <b>296.5950</b> | <b>723.0954</b> | <b>1,056.3701</b> | <b>2.5746</b> | <b>149.9391</b> | <b>28.5691</b> | <b>177.6652</b> | <b>46.8519</b> | <b>26.5029</b> | <b>72.5770</b> | <b>0.0000</b> | <b>223,361.4637</b> | <b>223,361.4637</b> | <b>18.6194</b> | <b>0.0000</b> | <b>223,752.4709</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         | 64.8879         | 0.7490          | 64.8110         | 3.4200e-003   |                 | 0.3559        | 0.3559          |                | 0.3559        | 0.3559         | 0.0000        | 116.3950            | 116.3950            | 0.1144        | 0.0000        | 118.7972            |
| Energy       | 0.8404          | 7.4592          | 5.0899          | 0.0458        |                 | 0.5807        | 0.5807          |                | 0.5807        | 0.5807         |               | 9,168.3897          | 9,168.3897          | 0.1757        | 0.1681        | 9,224.1869          |
| Mobile       | 56.7725         | 130.9294        | 588.9178        | 1.9863        | 131.0810        | 2.5686        | 133.6496        | 35.0295        | 2.3696        | 37.3992        |               | 150,048.0055        | 150,048.0055        | 4.8680        |               | 150,150.2342        |
| <b>Total</b> | <b>122.5008</b> | <b>139.1376</b> | <b>658.8187</b> | <b>2.0355</b> | <b>131.0810</b> | <b>3.5051</b> | <b>134.5862</b> | <b>35.0295</b> | <b>3.3062</b> | <b>38.3357</b> | <b>0.0000</b> | <b>159,332.7901</b> | <b>159,332.7901</b> | <b>5.1582</b> | <b>0.1681</b> | <b>159,493.2183</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         | 56.8760         | 0.6697          | 56.9957         | 2.8200e-003   |                | 0.3101        | 0.3101         |                | 0.3101        | 0.3101         | 0.0000        | 98.8792             | 98.8792             | 0.0869        | 0.0000        | 100.7050            |
| Energy       | 0.7056          | 6.2626          | 4.2717          | 0.0385        |                | 0.4875        | 0.4875         |                | 0.4875        | 0.4875         |               | 7,697.8178          | 7,697.8178          | 0.1475        | 0.1411        | 7,744.6655          |
| Mobile       | 51.1777         | 95.0051         | 443.2513        | 1.3360        | 86.8310        | 1.7660        | 88.5969        | 23.2043        | 1.6294        | 24.8338        |               | 100,938.6637        | 100,938.6637        | 3.3649        |               | 101,009.3270        |
| <b>Total</b> | <b>108.7593</b> | <b>101.9374</b> | <b>504.5187</b> | <b>1.3773</b> | <b>86.8310</b> | <b>2.5636</b> | <b>89.3946</b> | <b>23.2043</b> | <b>2.4271</b> | <b>25.6314</b> | <b>0.0000</b> | <b>108,735.3607</b> | <b>108,735.3607</b> | <b>3.5994</b> | <b>0.1411</b> | <b>108,854.6975</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 | 11.22 | 26.74 | 23.42 | 32.34 | 33.76         | 26.86        | 33.58      | 33.76          | 26.59         | 33.14       | 0.00     | 31.76    | 31.76     | 30.22 | 16.04 | 31.75 |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name                        | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Phase One: Demolition             | Demolition            | 1/1/2016   | 4/29/2016  | 5             | 86       |                   |
| 2            | Phase One: Grading                | Grading               | 3/1/2016   | 3/31/2017  | 5             | 284      |                   |
| 3            | Phase One: Building Construction  | Building Construction | 9/1/2016   | 4/30/2019  | 5             | 694      |                   |
| 4            | Phase Two: Paving                 | Paving                | 4/3/2017   | 12/29/2017 | 5             | 195      |                   |
| 5            | Phase Two: Architectural Coating  | Architectural Coating | 5/1/2017   | 10/31/2017 | 5             | 132      |                   |
| 6            | Phase One: Architectural Coating  | Architectural Coating | 7/2/2018   | 10/31/2019 | 5             | 349      |                   |
| 7            | Phase One: Paving                 | Paving                | 11/1/2018  | 11/29/2019 | 5             | 282      |                   |
| 8            | Phase Three: Demolition           | Demolition            | 7/1/2019   | 11/29/2019 | 5             | 110      |                   |
| 9            | Phase Three: Grading              | Grading               | 10/1/2019  | 12/31/2019 | 5             | 66       |                   |
| 10           | Phase Three: Construction         | Building Construction | 12/2/2019  | 3/31/2020  | 5             | 87       |                   |
| 11           | Phase Four: Demolition            | Demolition            | 1/1/2020   | 6/30/2020  | 5             | 130      |                   |
| 12           | Phase Four: Grading               | Grading               | 6/1/2020   | 12/31/2020 | 5             | 154      |                   |
| 13           | Phase Four: Construction          | Building Construction | 11/2/2020  | 2/28/2022  | 5             | 346      |                   |
| 14           | Phase Four: Architectural Coating | Architectural Coating | 9/1/2021   | 7/29/2022  | 5             | 238      |                   |
| 15           | Phase Four: Paving                | Paving                | 4/1/2022   | 7/29/2022  | 5             | 86       |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0



**Residential Indoor: 475,875; Residential Outdoor: 158,625; Non-Residential Indoor: 150,000; Non-Residential Outdoor: 50,000 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name                       | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|----------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Phase One:Demolition             | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Phase One:Demolition             | Excavators                | 3      | 8.00        | 162         | 0.38        |
| Phase One:Demolition             | Rubber Tired Dozers       | 2      | 8.00        | 255         | 0.40        |
| Phase One: Grading               | Excavators                | 2      | 8.00        | 162         | 0.38        |
| Phase One: Grading               | Graders                   | 1      | 8.00        | 174         | 0.41        |
| Phase One: Grading               | Rubber Tired Dozers       | 1      | 8.00        | 255         | 0.40        |
| Phase One: Grading               | Scrapers                  | 2      | 8.00        | 361         | 0.48        |
| Phase One: Grading               | Tractors/Loaders/Backhoes | 2      | 8.00        | 97          | 0.37        |
| Phase One:Building Construction  | Cranes                    | 1      | 7.00        | 226         | 0.29        |
| Phase One:Building Construction  | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Phase One:Building Construction  | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Phase One:Building Construction  | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Phase One:Building Construction  | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Phase Two: Paving                | Pavers                    | 2      | 8.00        | 125         | 0.42        |
| Phase Two: Paving                | Paving Equipment          | 2      | 8.00        | 130         | 0.36        |
| Phase Two: Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Phase Two: Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Phase One:Architectural Coating  | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Phase One:Paving                 | Pavers                    | 2      | 8.00        | 125         | 0.42        |
| Phase One:Paving                 | Paving Equipment          | 2      | 8.00        | 130         | 0.36        |
| Phase One:Paving                 | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Phase Three: Demolition          | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Phase Three: Demolition          | Excavators                | 3      | 8.00        | 162         | 0.38        |
| Phase Three: Demolition          | Rubber Tired Dozers       | 2      | 8.00        | 255         | 0.40        |

|                                   |                           |   |      |     |      |
|-----------------------------------|---------------------------|---|------|-----|------|
| Phase Three: Grading              | Excavators                | 2 | 8.00 | 162 | 0.38 |
| Phase Three: Grading              | Graders                   | 1 | 8.00 | 174 | 0.41 |
| Phase Three: Grading              | Rubber Tired Dozers       | 1 | 8.00 | 255 | 0.40 |
| Phase Three: Grading              | Scrapers                  | 2 | 8.00 | 361 | 0.48 |
| Phase Three: Grading              | Tractors/Loaders/Backhoes | 2 | 8.00 | 97  | 0.37 |
| Phase Three: Construction         | Cranes                    | 1 | 7.00 | 226 | 0.29 |
| Phase Three: Construction         | Forklifts                 | 3 | 8.00 | 89  | 0.20 |
| Phase Three: Construction         | Generator Sets            | 1 | 8.00 | 84  | 0.74 |
| Phase Three: Construction         | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Phase Three: Construction         | Welders                   | 1 | 8.00 | 46  | 0.45 |
| Phase Four: Demolition            | Concrete/Industrial Saws  | 1 | 8.00 | 81  | 0.73 |
| Phase Four: Demolition            | Excavators                | 3 | 8.00 | 162 | 0.38 |
| Phase Four: Demolition            | Rubber Tired Dozers       | 2 | 8.00 | 255 | 0.40 |
| Phase Four: Grading               | Excavators                | 2 | 8.00 | 162 | 0.38 |
| Phase Four: Grading               | Graders                   | 1 | 8.00 | 174 | 0.41 |
| Phase Four: Grading               | Rubber Tired Dozers       | 1 | 8.00 | 255 | 0.40 |
| Phase Four: Grading               | Scrapers                  | 2 | 8.00 | 361 | 0.48 |
| Phase Four: Grading               | Tractors/Loaders/Backhoes | 2 | 8.00 | 97  | 0.37 |
| Phase Four: Construction          | Cranes                    | 1 | 7.00 | 226 | 0.29 |
| Phase Four: Construction          | Forklifts                 | 3 | 8.00 | 89  | 0.20 |
| Phase Four: Construction          | Generator Sets            | 1 | 8.00 | 84  | 0.74 |
| Phase Four: Construction          | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Phase Four: Construction          | Welders                   | 1 | 8.00 | 46  | 0.45 |
| Phase Four: Architectural Coating | Air Compressors           | 1 | 6.00 | 78  | 0.48 |
| Phase Four: Paving                | Pavers                    | 2 | 8.00 | 125 | 0.42 |
| Phase Four: Paving                | Paving Equipment          | 2 | 8.00 | 130 | 0.36 |
| Phase Four: Paving                | Rollers                   | 2 | 8.00 | 80  | 0.38 |

**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 |
|-----------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Phase One:Demolition              | 6                       | 15.00              | 0.00               | 1,892.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One: Grading                | 8                       | 20.00              | 0.00               | 22,500.00           | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One:Building Construction   | 9                       | 1,143.00           | 354.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Two: Paving                 | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Two: Architectural Coating  | 1                       | 229.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One:Architectural Coating   | 1                       | 229.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One:Paving                  | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Three: Demolition           | 6                       | 15.00              | 0.00               | 628.00              | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Three: Grading              | 8                       | 20.00              | 0.00               | 8,525.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Three: Construction         | 9                       | 1,143.00           | 354.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four:Demolition             | 6                       | 15.00              | 0.00               | 1,287.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Grading               | 8                       | 20.00              | 0.00               | 25,000.00           | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Construction          | 9                       | 1,143.00           | 354.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Architectural Coating | 1                       | 229.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Paving                | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Clean Paved Roads

**3.2 Phase One:Demolition - 2016**

**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 |               |                |                |               | 4.7615        | 0.0000        | 4.7615        | 0.7209         | 0.0000        | 0.7209        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 4.2876        | 45.6559        | 35.0303        | 0.0399        |               | 2.2921        | 2.2921        |                | 2.1365        | 2.1365        |          | 4,089.284<br>1         | 4,089.284<br>1         | 1.1121        |     | 4,112.637<br>4         |
| <b>Total</b>  | <b>4.2876</b> | <b>45.6559</b> | <b>35.0303</b> | <b>0.0399</b> | <b>4.7615</b> | <b>2.2921</b> | <b>7.0537</b> | <b>0.7209</b>  | <b>2.1365</b> | <b>2.8575</b> |          | <b>4,089.284<br/>1</b> | <b>4,089.284<br/>1</b> | <b>1.1121</b> |     | <b>4,112.637<br/>4</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      | 0.3763        | 6.0306        | 4.2655        | 0.0162        | 0.3833        | 0.0957        | 0.4791        | 0.1050         | 0.0881        | 0.1930        |          | 1,634.933<br>8         | 1,634.933<br>8         | 0.0116        |     | 1,635.177<br>8         |
| 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       | 0.0627        | 0.0783        | 0.9750        | 2.1200e-003   | 0.1677        | 1.4000e-003   | 0.1691        | 0.0445         | 1.2900e-003   | 0.0458        |          | 178.4188               | 178.4188               | 9.1500e-003   |     | 178.6110               |
| <b>Total</b> | <b>0.4390</b> | <b>6.1089</b> | <b>5.2405</b> | <b>0.0183</b> | <b>0.5510</b> | <b>0.0971</b> | <b>0.6481</b> | <b>0.1494</b>  | <b>0.0894</b> | <b>0.2388</b> |          | <b>1,813.352<br/>6</b> | <b>1,813.352<br/>6</b> | <b>0.0208</b> |     | <b>1,813.788<br/>8</b> |

**3.2 Phase One:Demolition - 2016****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 |               |               |                |               | 2.1427        | 0.0000             | 2.1427        | 0.3244         | 0.0000             | 0.3244        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.4739        | 2.0535        | 23.8257        | 0.0399        |               | 9.4800e-003        | 9.4800e-003   |                | 9.4800e-003        | 9.4800e-003   | 0.0000        | 4,089.2841        | 4,089.2841        | 1.1121        |     | 4,112.6374        |
| <b>Total</b>  | <b>0.4739</b> | <b>2.0535</b> | <b>23.8257</b> | <b>0.0399</b> | <b>2.1427</b> | <b>9.4800e-003</b> | <b>2.1522</b> | <b>0.3244</b>  | <b>9.4800e-003</b> | <b>0.3339</b> | <b>0.0000</b> | <b>4,089.2841</b> | <b>4,089.2841</b> | <b>1.1121</b> |     | <b>4,112.6374</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      | 0.3763        | 6.0306        | 4.2655        | 0.0162        | 0.3833        | 0.0957        | 0.4791        | 0.1050         | 0.0881        | 0.1930        |          | 1,634.9338        | 1,634.9338        | 0.0116        |     | 1,635.1778        |
| 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       | 0.0627        | 0.0783        | 0.9750        | 2.1200e-003   | 0.1677        | 1.4000e-003   | 0.1691        | 0.0445         | 1.2900e-003   | 0.0458        |          | 178.4188          | 178.4188          | 9.1500e-003   |     | 178.6110          |
| <b>Total</b> | <b>0.4390</b> | <b>6.1089</b> | <b>5.2405</b> | <b>0.0183</b> | <b>0.5510</b> | <b>0.0971</b> | <b>0.6481</b> | <b>0.1494</b>  | <b>0.0894</b> | <b>0.2388</b> |          | <b>1,813.3526</b> | <b>1,813.3526</b> | <b>0.0208</b> |     | <b>1,813.7888</b> |

### 3.3 Phase One: Grading - 2016

#### 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 |               |                |                |               | 6.1095        | 0.0000        | 6.1095        | 3.3228         | 0.0000        | 3.3228        |          |                   | 0.0000            |               |     |      | 0.0000            |
| Off-Road      | 6.4795        | 74.8137        | 49.1374        | 0.0617        |               | 3.5842        | 3.5842        |                | 3.2975        | 3.2975        |          | 6,414.9807        | 6,414.9807        | 1.9350        |     |      | 6,455.6154        |
| <b>Total</b>  | <b>6.4795</b> | <b>74.8137</b> | <b>49.1374</b> | <b>0.0617</b> | <b>6.1095</b> | <b>3.5842</b> | <b>9.6937</b> | <b>3.3228</b>  | <b>3.2975</b> | <b>6.6203</b> |          | <b>6,414.9807</b> | <b>6,414.9807</b> | <b>1.9350</b> |     |      | <b>6,455.6154</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      | 1.3551        | 21.7171        | 15.3606        | 0.0584        | 1.6913        | 0.3448        | 2.0361        | 0.4543         | 0.3171        | 0.7714        |          | 5,887.6458        | 5,887.6458        | 0.0418        |     |      | 5,888.5244        |
| 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       | 0.0836        | 0.1045         | 1.3000         | 2.8300e-003   | 0.2236        | 1.8700e-003   | 0.2254        | 0.0593         | 1.7200e-003   | 0.0610        |          | 237.8917          | 237.8917          | 0.0122        |     |      | 238.1480          |
| <b>Total</b> | <b>1.4387</b> | <b>21.8215</b> | <b>16.6606</b> | <b>0.0612</b> | <b>1.9149</b> | <b>0.3466</b> | <b>2.2615</b> | <b>0.5136</b>  | <b>0.3188</b> | <b>0.8324</b> |          | <b>6,125.5375</b> | <b>6,125.5375</b> | <b>0.0541</b> |     |      | <b>6,126.6724</b> |

**3.3 Phase One: Grading - 2016**

**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 |               |               |                |               | 2.7493        | 0.0000        | 2.7493        | 1.4953         | 0.0000        | 1.4953        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.7564        | 3.2778        | 34.7787        | 0.0617        |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        | 0.0000        | 6,414.9807        | 6,414.9807        | 1.9350        |     | 6,455.6154        |
| <b>Total</b>  | <b>0.7564</b> | <b>3.2778</b> | <b>34.7787</b> | <b>0.0617</b> | <b>2.7493</b> | <b>0.0151</b> | <b>2.7644</b> | <b>1.4953</b>  | <b>0.0151</b> | <b>1.5104</b> | <b>0.0000</b> | <b>6,414.9807</b> | <b>6,414.9807</b> | <b>1.9350</b> |     | <b>6,455.6154</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      | 1.3551        | 21.7171        | 15.3606        | 0.0584        | 1.6913        | 0.3448        | 2.0361        | 0.4543         | 0.3171        | 0.7714        |          | 5,887.6458        | 5,887.6458        | 0.0418        |     | 5,888.5244        |
| 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       | 0.0836        | 0.1045         | 1.3000         | 2.8300e-003   | 0.2236        | 1.8700e-003   | 0.2254        | 0.0593         | 1.7200e-003   | 0.0610        |          | 237.8917          | 237.8917          | 0.0122        |     | 238.1480          |
| <b>Total</b> | <b>1.4387</b> | <b>21.8215</b> | <b>16.6606</b> | <b>0.0612</b> | <b>1.9149</b> | <b>0.3466</b> | <b>2.2615</b> | <b>0.5136</b>  | <b>0.3188</b> | <b>0.8324</b> |          | <b>6,125.5375</b> | <b>6,125.5375</b> | <b>0.0541</b> |     | <b>6,126.6724</b> |

**3.3 Phase One: Grading - 2017**

**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 |               |                |                |               | 6.1095        | 0.0000        | 6.1095        | 3.3228         | 0.0000        | 3.3228        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 6.0991        | 69.5920        | 46.8050        | 0.0617        |               | 3.3172        | 3.3172        |                | 3.0518        | 3.0518        |          | 6,313.3690        | 6,313.3690        | 1.9344        |     | 6,353.9915        |
| <b>Total</b>  | <b>6.0991</b> | <b>69.5920</b> | <b>46.8050</b> | <b>0.0617</b> | <b>6.1095</b> | <b>3.3172</b> | <b>9.4266</b> | <b>3.3228</b>  | <b>3.0518</b> | <b>6.3746</b> |          | <b>6,313.3690</b> | <b>6,313.3690</b> | <b>1.9344</b> |     | <b>6,353.9915</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      | 1.2803        | 19.9056        | 14.7308        | 0.0584        | 4.9098        | 0.3151        | 5.2248        | 1.2443         | 0.2899        | 1.5342        |          | 5,790.9948        | 5,790.9948        | 0.0410        |     | 5,791.8550        |
| 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       | 0.0751        | 0.0943         | 1.1759         | 2.8300e-003   | 0.2236        | 1.8000e-003   | 0.2254        | 0.0593         | 1.6600e-003   | 0.0610        |          | 228.7867          | 228.7867          | 0.0113        |     | 229.0232          |
| <b>Total</b> | <b>1.3554</b> | <b>19.9999</b> | <b>15.9068</b> | <b>0.0612</b> | <b>5.1333</b> | <b>0.3169</b> | <b>5.4502</b> | <b>1.3036</b>  | <b>0.2915</b> | <b>1.5951</b> |          | <b>6,019.7815</b> | <b>6,019.7815</b> | <b>0.0522</b> |     | <b>6,020.8782</b> |



### 3.3 Phase One: Grading - 2017

#### 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 |               |               |                |               | 2.7493        | 0.0000        | 2.7493        | 1.4953         | 0.0000        | 1.4953        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.7564        | 3.2778        | 34.7787        | 0.0617        |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        | 0.0000        | 6,313.3690        | 6,313.3690        | 1.9344        |     | 6,353.9915        |
| <b>Total</b>  | <b>0.7564</b> | <b>3.2778</b> | <b>34.7787</b> | <b>0.0617</b> | <b>2.7493</b> | <b>0.0151</b> | <b>2.7644</b> | <b>1.4953</b>  | <b>0.0151</b> | <b>1.5104</b> | <b>0.0000</b> | <b>6,313.3690</b> | <b>6,313.3690</b> | <b>1.9344</b> |     | <b>6,353.9915</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      | 1.2803        | 19.9056        | 14.7308        | 0.0584        | 4.9098        | 0.3151        | 5.2248        | 1.2443         | 0.2899        | 1.5342        |          | 5,790.9948        | 5,790.9948        | 0.0410        |     | 5,791.8550        |
| 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       | 0.0751        | 0.0943         | 1.1759         | 2.8300e-003   | 0.2236        | 1.8000e-003   | 0.2254        | 0.0593         | 1.6600e-003   | 0.0610        |          | 228.7867          | 228.7867          | 0.0113        |     | 229.0232          |
| <b>Total</b> | <b>1.3554</b> | <b>19.9999</b> | <b>15.9068</b> | <b>0.0612</b> | <b>5.1333</b> | <b>0.3169</b> | <b>5.4502</b> | <b>1.3036</b>  | <b>0.2915</b> | <b>1.5951</b> |          | <b>6,019.7815</b> | <b>6,019.7815</b> | <b>0.0522</b> |     | <b>6,020.8782</b> |

### 3.4 Phase One: Building Construction - 2016

#### 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     | 3.4062        | 28.5063        | 18.5066        | 0.0268        |               | 1.9674        | 1.9674        |                | 1.8485        | 1.8485        |          | 2,669.2864        | 2,669.2864        | 0.6620        |     | 2,683.1890        |
| <b>Total</b> | <b>3.4062</b> | <b>28.5063</b> | <b>18.5066</b> | <b>0.0268</b> |               | <b>1.9674</b> | <b>1.9674</b> |                | <b>1.8485</b> | <b>1.8485</b> |          | <b>2,669.2864</b> | <b>2,669.2864</b> | <b>0.6620</b> |     | <b>2,683.1890</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       | 2.9475        | 30.5740        | 35.2552         | 0.0770        | 2.2124         | 0.5034        | 2.7159         | 0.6301         | 0.4629        | 1.0930        |          | 7,718.2237         | 7,718.2237         | 0.0551        |     | 7,719.3805         |
| Worker       | 4.7752        | 5.9697         | 74.2972         | 0.1619        | 12.7760        | 0.1068        | 12.8828        | 3.3883         | 0.0982        | 3.4864        |          | 13,595.5091        | 13,595.5091        | 0.6976        |     | 13,610.1576        |
| <b>Total</b> | <b>7.7226</b> | <b>36.5437</b> | <b>109.5523</b> | <b>0.2389</b> | <b>14.9885</b> | <b>0.6102</b> | <b>15.5987</b> | <b>4.0183</b>  | <b>0.5611</b> | <b>4.5794</b> |          | <b>21,313.7328</b> | <b>21,313.7328</b> | <b>0.7526</b> |     | <b>21,329.5381</b> |

### 3.4 Phase One: Building Construction - 2016

#### 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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,669.2864        | 2,669.2864        | 0.6620        |     | 2,683.1890        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,669.2864</b> | <b>2,669.2864</b> | <b>0.6620</b> |     | <b>2,683.1890</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       | 2.9475        | 30.5740        | 35.2552         | 0.0770        | 2.2124         | 0.5034        | 2.7159         | 0.6301         | 0.4629        | 1.0930        |          | 7,718.2237         | 7,718.2237         | 0.0551        |     | 7,719.3805         |
| Worker       | 4.7752        | 5.9697         | 74.2972         | 0.1619        | 12.7760        | 0.1068        | 12.8828        | 3.3883         | 0.0982        | 3.4864        |          | 13,595.5091        | 13,595.5091        | 0.6976        |     | 13,610.1576        |
| <b>Total</b> | <b>7.7226</b> | <b>36.5437</b> | <b>109.5523</b> | <b>0.2389</b> | <b>14.9885</b> | <b>0.6102</b> | <b>15.5987</b> | <b>4.0183</b>  | <b>0.5611</b> | <b>4.5794</b> |          | <b>21,313.7328</b> | <b>21,313.7328</b> | <b>0.7526</b> |     | <b>21,329.5381</b> |

### 3.4 Phase One: Building Construction - 2017

#### 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     | 3.1024        | 26.4057        | 18.1291        | 0.0268        |               | 1.7812        | 1.7812        |                | 1.6730        | 1.6730        |          | 2,639.8053        | 2,639.8053        | 0.6497        |     | 2,653.4490        |
| <b>Total</b> | <b>3.1024</b> | <b>26.4057</b> | <b>18.1291</b> | <b>0.0268</b> |               | <b>1.7812</b> | <b>1.7812</b> |                | <b>1.6730</b> | <b>1.6730</b> |          | <b>2,639.8053</b> | <b>2,639.8053</b> | <b>0.6497</b> |     | <b>2,653.4490</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       | 2.7008        | 27.8195        | 33.1546         | 0.0769        | 2.2131         | 0.4490        | 2.6621         | 0.6304         | 0.4129        | 1.0433        |          | 7,593.2098         | 7,593.2098         | 0.0532        |     | 7,594.3279         |
| Worker       | 4.2907        | 5.3896         | 67.2036         | 0.1618        | 12.7760        | 0.1027        | 12.8788        | 3.3883         | 0.0948        | 3.4830        |          | 13,075.1599        | 13,075.1599        | 0.6437        |     | 13,088.6766        |
| <b>Total</b> | <b>6.9915</b> | <b>33.2091</b> | <b>100.3582</b> | <b>0.2387</b> | <b>14.9892</b> | <b>0.5517</b> | <b>15.5409</b> | <b>4.0186</b>  | <b>0.5077</b> | <b>4.5263</b> |          | <b>20,668.3697</b> | <b>20,668.3697</b> | <b>0.6969</b> |     | <b>20,683.0044</b> |

### 3.4 Phase One: Building Construction - 2017

#### 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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,639.8053        | 2,639.8053        | 0.6497        |     | 2,653.4490        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,639.8053</b> | <b>2,639.8053</b> | <b>0.6497</b> |     | <b>2,653.4490</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       | 2.7008        | 27.8195        | 33.1546         | 0.0769        | 2.2131         | 0.4490        | 2.6621         | 0.6304         | 0.4129        | 1.0433        |          | 7,593.2098         | 7,593.2098         | 0.0532        |     | 7,594.3279         |
| Worker       | 4.2907        | 5.3896         | 67.2036         | 0.1618        | 12.7760        | 0.1027        | 12.8788        | 3.3883         | 0.0948        | 3.4830        |          | 13,075.1599        | 13,075.1599        | 0.6437        |     | 13,088.6766        |
| <b>Total</b> | <b>6.9915</b> | <b>33.2091</b> | <b>100.3582</b> | <b>0.2387</b> | <b>14.9892</b> | <b>0.5517</b> | <b>15.5409</b> | <b>4.0186</b>  | <b>0.5077</b> | <b>4.5263</b> |          | <b>20,668.3697</b> | <b>20,668.3697</b> | <b>0.6969</b> |     | <b>20,683.0044</b> |

### 3.4 Phase One: Building Construction - 2018

#### 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     | 2.6687        | 23.2608        | 17.5327        | 0.0268        |               | 1.4943        | 1.4943        |                | 1.4048        | 1.4048        |          | 2,609.9390        | 2,609.9390        | 0.6387        |     | 2,623.3517        |
| <b>Total</b> | <b>2.6687</b> | <b>23.2608</b> | <b>17.5327</b> | <b>0.0268</b> |               | <b>1.4943</b> | <b>1.4943</b> |                | <b>1.4048</b> | <b>1.4048</b> |          | <b>2,609.9390</b> | <b>2,609.9390</b> | <b>0.6387</b> |     | <b>2,623.3517</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       | 2.5327        | 25.5324        | 31.5858        | 0.0768        | 2.2132         | 0.4232        | 2.6364         | 0.6304         | 0.3893        | 1.0196        |          | 7,465.7922         | 7,465.7922         | 0.0529        |     | 7,466.9030         |
| Worker       | 3.8677        | 4.8889         | 61.0458        | 0.1617        | 12.7760        | 0.1000        | 12.8760        | 3.3883         | 0.0925        | 3.4808        |          | 12,588.6496        | 12,588.6496        | 0.5974        |     | 12,601.1941        |
| <b>Total</b> | <b>6.4004</b> | <b>30.4212</b> | <b>92.6317</b> | <b>0.2385</b> | <b>14.9892</b> | <b>0.5232</b> | <b>15.5124</b> | <b>4.0186</b>  | <b>0.4818</b> | <b>4.5004</b> |          | <b>20,054.4418</b> | <b>20,054.4418</b> | <b>0.6503</b> |     | <b>20,068.0971</b> |

### 3.4 Phase One: Building Construction - 2018

#### 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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,609.9389        | 2,609.9389        | 0.6387        |     | 2,623.3517        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,609.9389</b> | <b>2,609.9389</b> | <b>0.6387</b> |     | <b>2,623.3517</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       | 2.5327        | 25.5324        | 31.5858        | 0.0768        | 2.2132         | 0.4232        | 2.6364         | 0.6304         | 0.3893        | 1.0196        |          | 7,465.7922         | 7,465.7922         | 0.0529        |     | 7,466.9030         |
| Worker       | 3.8677        | 4.8889         | 61.0458        | 0.1617        | 12.7760        | 0.1000        | 12.8760        | 3.3883         | 0.0925        | 3.4808        |          | 12,588.6496        | 12,588.6496        | 0.5974        |     | 12,601.1941        |
| <b>Total</b> | <b>6.4004</b> | <b>30.4212</b> | <b>92.6317</b> | <b>0.2385</b> | <b>14.9892</b> | <b>0.5232</b> | <b>15.5124</b> | <b>4.0186</b>  | <b>0.4818</b> | <b>4.5004</b> |          | <b>20,054.4418</b> | <b>20,054.4418</b> | <b>0.6503</b> |     | <b>20,068.0971</b> |

**3.4 Phase One: Building Construction - 2019****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     | 2.3516        | 20.9650        | 17.1204        | 0.0268        |               | 1.2850        | 1.2850        |                | 1.2083        | 1.2083        |          | 2,580.7618        | 2,580.7618        | 0.6279        |     | 2,593.9479        |
| <b>Total</b> | <b>2.3516</b> | <b>20.9650</b> | <b>17.1204</b> | <b>0.0268</b> |               | <b>1.2850</b> | <b>1.2850</b> |                | <b>1.2083</b> | <b>1.2083</b> |          | <b>2,580.7618</b> | <b>2,580.7618</b> | <b>0.6279</b> |     | <b>2,593.9479</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       | 2.3985        | 23.5467        | 30.3988        | 0.0765        | 2.2134         | 0.4016        | 2.6150         | 0.6304         | 0.3694        | 0.9998        |          | 7,320.7556         | 7,320.7556         | 0.0519        |     | 7,321.8448         |
| Worker       | 3.5602        | 4.4843         | 56.1058        | 0.1614        | 12.7760        | 0.0982        | 12.8743        | 3.3883         | 0.0911        | 3.4793        |          | 12,111.4052        | 12,111.4052        | 0.5592        |     | 12,123.1481        |
| <b>Total</b> | <b>5.9586</b> | <b>28.0310</b> | <b>86.5046</b> | <b>0.2379</b> | <b>14.9894</b> | <b>0.4998</b> | <b>15.4892</b> | <b>4.0187</b>  | <b>0.4605</b> | <b>4.4792</b> |          | <b>19,432.1608</b> | <b>19,432.1608</b> | <b>0.6111</b> |     | <b>19,444.9929</b> |



### 3.4 Phase One: Building Construction - 2019

#### 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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,580.7618        | 2,580.7618        | 0.6279        |     | 2,593.9479        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,580.7618</b> | <b>2,580.7618</b> | <b>0.6279</b> |     | <b>2,593.9479</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       | 2.3985        | 23.5467        | 30.3988        | 0.0765        | 2.2134         | 0.4016        | 2.6150         | 0.6304         | 0.3694        | 0.9998        |          | 7,320.7556         | 7,320.7556         | 0.0519        |     | 7,321.8448         |
| Worker       | 3.5602        | 4.4843         | 56.1058        | 0.1614        | 12.7760        | 0.0982        | 12.8743        | 3.3883         | 0.0911        | 3.4793        |          | 12,111.4052        | 12,111.4052        | 0.5592        |     | 12,123.1481        |
| <b>Total</b> | <b>5.9586</b> | <b>28.0310</b> | <b>86.5046</b> | <b>0.2379</b> | <b>14.9894</b> | <b>0.4998</b> | <b>15.4892</b> | <b>4.0187</b>  | <b>0.4605</b> | <b>4.4792</b> |          | <b>19,432.1608</b> | <b>19,432.1608</b> | <b>0.6111</b> |     | <b>19,444.9929</b> |

**3.5 Phase Two: Paving - 2017**

**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     | 1.9074        | 20.2964        | 14.7270        | 0.0223        |               | 1.1384        | 1.1384        |                | 1.0473        | 1.0473        |          | 2,281.0588        | 2,281.0588        | 0.6989        |     | 2,295.7360        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.9074</b> | <b>20.2964</b> | <b>14.7270</b> | <b>0.0223</b> |               | <b>1.1384</b> | <b>1.1384</b> |                | <b>1.0473</b> | <b>1.0473</b> |          | <b>2,281.0588</b> | <b>2,281.0588</b> | <b>0.6989</b> |     | <b>2,295.7360</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       | 0.0563        | 0.0707        | 0.8819        | 2.1200e-003        | 0.1677        | 1.3500e-003        | 0.1690        | 0.0445         | 1.2400e-003        | 0.0457        |          | 171.5900        | 171.5900        | 8.4500e-003        |     | 171.7674        |
| <b>Total</b> | <b>0.0563</b> | <b>0.0707</b> | <b>0.8819</b> | <b>2.1200e-003</b> | <b>0.1677</b> | <b>1.3500e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.2400e-003</b> | <b>0.0457</b> |          | <b>171.5900</b> | <b>171.5900</b> | <b>8.4500e-003</b> |     | <b>171.7674</b> |

**3.5 Phase Two: Paving - 2017**

**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     | 0.2745        | 1.1895        | 16.9276        | 0.0223        |               | 5.4900e-003        | 5.4900e-003        |                | 5.4900e-003        | 5.4900e-003        | 0.0000        | 2,281.0588        | 2,281.0588        | 0.6989        |     | 2,295.7360        |
| Paving       | 0.0000        |               |                |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.2745</b> | <b>1.1895</b> | <b>16.9276</b> | <b>0.0223</b> |               | <b>5.4900e-003</b> | <b>5.4900e-003</b> |                | <b>5.4900e-003</b> | <b>5.4900e-003</b> | <b>0.0000</b> | <b>2,281.0588</b> | <b>2,281.0588</b> | <b>0.6989</b> |     | <b>2,295.7360</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       | 0.0563        | 0.0707        | 0.8819        | 2.1200e-003        | 0.1677        | 1.3500e-003        | 0.1690        | 0.0445         | 1.2400e-003        | 0.0457        |          | 171.5900        | 171.5900        | 8.4500e-003        |     | 171.7674        |
| <b>Total</b> | <b>0.0563</b> | <b>0.0707</b> | <b>0.8819</b> | <b>2.1200e-003</b> | <b>0.1677</b> | <b>1.3500e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.2400e-003</b> | <b>0.0457</b> |          | <b>171.5900</b> | <b>171.5900</b> | <b>8.4500e-003</b> |     | <b>171.7674</b> |

**3.6 Phase Two: Architectural Coating - 2017**

**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 | 24.4588        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.3323         | 2.1850        | 1.8681        | 2.9700e-003        |               | 0.1733        | 0.1733        |                | 0.1733        | 0.1733        |          | 281.4481        | 281.4481        | 0.0297        |     | 282.0721        |
| <b>Total</b>    | <b>24.7912</b> | <b>2.1850</b> | <b>1.8681</b> | <b>2.9700e-003</b> |               | <b>0.1733</b> | <b>0.1733</b> |                | <b>0.1733</b> | <b>0.1733</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0297</b> |     | <b>282.0721</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       | 0.8596        | 1.0798        | 13.4643        | 0.0324        | 2.5597        | 0.0206        | 2.5803        | 0.6788         | 0.0190        | 0.6978        |          | 2,619.6077        | 2,619.6077        | 0.1290        |     | 2,622.3158        |
| <b>Total</b> | <b>0.8596</b> | <b>1.0798</b> | <b>13.4643</b> | <b>0.0324</b> | <b>2.5597</b> | <b>0.0206</b> | <b>2.5803</b> | <b>0.6788</b>  | <b>0.0190</b> | <b>0.6978</b> |          | <b>2,619.6077</b> | <b>2,619.6077</b> | <b>0.1290</b> |     | <b>2,622.3158</b> |

**3.6 Phase Two: Architectural Coating - 2017**

**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 | 24.4588        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.0297         | 0.1288        | 1.8324        | 2.9700e-003        |               | 5.9000e-004        | 5.9000e-004        |                | 5.9000e-004        | 5.9000e-004        | 0.0000        | 281.4481        | 281.4481        | 0.0297        |     | 282.0721        |
| <b>Total</b>    | <b>24.4886</b> | <b>0.1288</b> | <b>1.8324</b> | <b>2.9700e-003</b> |               | <b>5.9000e-004</b> | <b>5.9000e-004</b> |                | <b>5.9000e-004</b> | <b>5.9000e-004</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0297</b> |     | <b>282.0721</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       | 0.8596        | 1.0798        | 13.4643        | 0.0324        | 2.5597        | 0.0206        | 2.5803        | 0.6788         | 0.0190        | 0.6978        |          | 2,619.6077        | 2,619.6077        | 0.1290        |     | 2,622.3158        |
| <b>Total</b> | <b>0.8596</b> | <b>1.0798</b> | <b>13.4643</b> | <b>0.0324</b> | <b>2.5597</b> | <b>0.0206</b> | <b>2.5803</b> | <b>0.6788</b>  | <b>0.0190</b> | <b>0.6978</b> |          | <b>2,619.6077</b> | <b>2,619.6077</b> | <b>0.1290</b> |     | <b>2,622.3158</b> |

### 3.7 Phase One:Architectural Coating - 2018

#### 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 | 34.7184        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2986         | 2.0058        | 1.8542        | 2.9700e-003        |               | 0.1506        | 0.1506        |                | 0.1506        | 0.1506        |          | 281.4485        | 281.4485        | 0.0267        |     | 282.0102        |
| <b>Total</b>    | <b>35.0170</b> | <b>2.0058</b> | <b>1.8542</b> | <b>2.9700e-003</b> |               | <b>0.1506</b> | <b>0.1506</b> |                | <b>0.1506</b> | <b>0.1506</b> |          | <b>281.4485</b> | <b>281.4485</b> | <b>0.0267</b> |     | <b>282.0102</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       | 0.7749        | 0.9795        | 12.2305        | 0.0324        | 2.5597        | 0.0200        | 2.5797        | 0.6788         | 0.0185        | 0.6974        |          | 2,522.1354        | 2,522.1354        | 0.1197        |     | 2,524.6487        |
| <b>Total</b> | <b>0.7749</b> | <b>0.9795</b> | <b>12.2305</b> | <b>0.0324</b> | <b>2.5597</b> | <b>0.0200</b> | <b>2.5797</b> | <b>0.6788</b>  | <b>0.0185</b> | <b>0.6974</b> |          | <b>2,522.1354</b> | <b>2,522.1354</b> | <b>0.1197</b> |     | <b>2,524.6487</b> |

### 3.7 Phase One:Architectural Coating - 2018

#### 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 | 34.7184        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.0297         | 0.1288        | 1.8324        | 2.9700e-003        |               | 5.9000e-004        | 5.9000e-004        |                | 5.9000e-004        | 5.9000e-004        | 0.0000        | 281.4485        | 281.4485        | 0.0267        |     | 282.0102        |
| <b>Total</b>    | <b>34.7481</b> | <b>0.1288</b> | <b>1.8324</b> | <b>2.9700e-003</b> |               | <b>5.9000e-004</b> | <b>5.9000e-004</b> |                | <b>5.9000e-004</b> | <b>5.9000e-004</b> | <b>0.0000</b> | <b>281.4485</b> | <b>281.4485</b> | <b>0.0267</b> |     | <b>282.0102</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       | 0.7749        | 0.9795        | 12.2305        | 0.0324        | 2.5597        | 0.0200        | 2.5797        | 0.6788         | 0.0185        | 0.6974        |          | 2,522.1354        | 2,522.1354        | 0.1197        |     | 2,524.6487        |
| <b>Total</b> | <b>0.7749</b> | <b>0.9795</b> | <b>12.2305</b> | <b>0.0324</b> | <b>2.5597</b> | <b>0.0200</b> | <b>2.5797</b> | <b>0.6788</b>  | <b>0.0185</b> | <b>0.6974</b> |          | <b>2,522.1354</b> | <b>2,522.1354</b> | <b>0.1197</b> |     | <b>2,524.6487</b> |

### 3.7 Phase One:Architectural Coating - 2019

#### 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 | 34.7184        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2664         | 1.8354        | 1.8413        | 2.9700e-003        |               | 0.1288        | 0.1288        |                | 0.1288        | 0.1288        |          | 281.4481        | 281.4481        | 0.0238        |     | 281.9473        |
| <b>Total</b>    | <b>34.9849</b> | <b>1.8354</b> | <b>1.8413</b> | <b>2.9700e-003</b> |               | <b>0.1288</b> | <b>0.1288</b> |                | <b>0.1288</b> | <b>0.1288</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0238</b> |     | <b>281.9473</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       | 0.7133        | 0.8984        | 11.2408        | 0.0323        | 2.5597        | 0.0197        | 2.5794        | 0.6788         | 0.0182        | 0.6971        |          | 2,426.5195        | 2,426.5195        | 0.1120        |     | 2,428.8722        |
| <b>Total</b> | <b>0.7133</b> | <b>0.8984</b> | <b>11.2408</b> | <b>0.0323</b> | <b>2.5597</b> | <b>0.0197</b> | <b>2.5794</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6971</b> |          | <b>2,426.5195</b> | <b>2,426.5195</b> | <b>0.1120</b> |     | <b>2,428.8722</b> |



**3.7 Phase One:Architectural Coating - 2019**

**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 | 34.7184        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.0297         | 0.1288        | 1.8324        | 2.9700e-003        |               | 5.9000e-004        | 5.9000e-004        |                | 5.9000e-004        | 5.9000e-004        | 0.0000        | 281.4481        | 281.4481        | 0.0238        |     | 281.9473        |
| <b>Total</b>    | <b>34.7481</b> | <b>0.1288</b> | <b>1.8324</b> | <b>2.9700e-003</b> |               | <b>5.9000e-004</b> | <b>5.9000e-004</b> |                | <b>5.9000e-004</b> | <b>5.9000e-004</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0238</b> |     | <b>281.9473</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       | 0.7133        | 0.8984        | 11.2408        | 0.0323        | 2.5597        | 0.0197        | 2.5794        | 0.6788         | 0.0182        | 0.6971        |          | 2,426.5195        | 2,426.5195        | 0.1120        |     | 2,428.8722        |
| <b>Total</b> | <b>0.7133</b> | <b>0.8984</b> | <b>11.2408</b> | <b>0.0323</b> | <b>2.5597</b> | <b>0.0197</b> | <b>2.5794</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6971</b> |          | <b>2,426.5195</b> | <b>2,426.5195</b> | <b>0.1120</b> |     | <b>2,428.8722</b> |

### 3.8 Phase One:Paving - 2018

#### 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     | 1.6114        | 17.1628        | 14.4944        | 0.0223        |               | 0.9386        | 0.9386        |                | 0.8635        | 0.8635        |          | 2,245.2695        | 2,245.2695        | 0.6990        |     | 2,259.9481        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.6114</b> | <b>17.1628</b> | <b>14.4944</b> | <b>0.0223</b> |               | <b>0.9386</b> | <b>0.9386</b> |                | <b>0.8635</b> | <b>0.8635</b> |          | <b>2,245.2695</b> | <b>2,245.2695</b> | <b>0.6990</b> |     | <b>2,259.9481</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       | 0.0508        | 0.0642        | 0.8011        | 2.1200e-003        | 0.1677        | 1.3100e-003        | 0.1690        | 0.0445         | 1.2100e-003        | 0.0457        |          | 165.2054        | 165.2054        | 7.8400e-003        |     | 165.3700        |
| <b>Total</b> | <b>0.0508</b> | <b>0.0642</b> | <b>0.8011</b> | <b>2.1200e-003</b> | <b>0.1677</b> | <b>1.3100e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.2100e-003</b> | <b>0.0457</b> |          | <b>165.2054</b> | <b>165.2054</b> | <b>7.8400e-003</b> |     | <b>165.3700</b> |

### 3.8 Phase One:Paving - 2018

#### 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     | 0.2745        | 1.1895        | 16.9276        | 0.0223        |               | 5.4900e-003        | 5.4900e-003        |                | 5.4900e-003        | 5.4900e-003        | 0.0000        | 2,245.2695        | 2,245.2695        | 0.6990        |     | 2,259.9481        |
| Paving       | 0.0000        |               |                |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.2745</b> | <b>1.1895</b> | <b>16.9276</b> | <b>0.0223</b> |               | <b>5.4900e-003</b> | <b>5.4900e-003</b> |                | <b>5.4900e-003</b> | <b>5.4900e-003</b> | <b>0.0000</b> | <b>2,245.2695</b> | <b>2,245.2695</b> | <b>0.6990</b> |     | <b>2,259.9481</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       | 0.0508        | 0.0642        | 0.8011        | 2.1200e-003        | 0.1677        | 1.3100e-003        | 0.1690        | 0.0445         | 1.2100e-003        | 0.0457        |          | 165.2054        | 165.2054        | 7.8400e-003        |     | 165.3700        |
| <b>Total</b> | <b>0.0508</b> | <b>0.0642</b> | <b>0.8011</b> | <b>2.1200e-003</b> | <b>0.1677</b> | <b>1.3100e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.2100e-003</b> | <b>0.0457</b> |          | <b>165.2054</b> | <b>165.2054</b> | <b>7.8400e-003</b> |     | <b>165.3700</b> |

### 3.8 Phase One:Paving - 2019

#### 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     | 1.4259        | 14.9353        | 14.3652        | 0.0223        |               | 0.8094        | 0.8094        |                | 0.7447        | 0.7447        |          | 2,208.9731        | 2,208.9731        | 0.6989        |     | 2,223.6499        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.4259</b> | <b>14.9353</b> | <b>14.3652</b> | <b>0.0223</b> |               | <b>0.8094</b> | <b>0.8094</b> |                | <b>0.7447</b> | <b>0.7447</b> |          | <b>2,208.9731</b> | <b>2,208.9731</b> | <b>0.6989</b> |     | <b>2,223.6499</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       | 0.0467        | 0.0589        | 0.7363        | 2.1200e-003        | 0.1677        | 1.2900e-003        | 0.1690        | 0.0445         | 1.1900e-003        | 0.0457        |          | 158.9423        | 158.9423        | 7.3400e-003        |     | 159.0964        |
| <b>Total</b> | <b>0.0467</b> | <b>0.0589</b> | <b>0.7363</b> | <b>2.1200e-003</b> | <b>0.1677</b> | <b>1.2900e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.1900e-003</b> | <b>0.0457</b> |          | <b>158.9423</b> | <b>158.9423</b> | <b>7.3400e-003</b> |     | <b>159.0964</b> |

**3.8 Phase One:Paving - 2019**

**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     | 0.2745        | 1.1895        | 16.9276        | 0.0223        |               | 5.4900e-003        | 5.4900e-003        |                | 5.4900e-003        | 5.4900e-003        | 0.0000        | 2,208.9731        | 2,208.9731        | 0.6989        |     | 2,223.6499        |
| Paving       | 0.0000        |               |                |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.2745</b> | <b>1.1895</b> | <b>16.9276</b> | <b>0.0223</b> |               | <b>5.4900e-003</b> | <b>5.4900e-003</b> |                | <b>5.4900e-003</b> | <b>5.4900e-003</b> | <b>0.0000</b> | <b>2,208.9731</b> | <b>2,208.9731</b> | <b>0.6989</b> |     | <b>2,223.6499</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       | 0.0467        | 0.0589        | 0.7363        | 2.1200e-003        | 0.1677        | 1.2900e-003        | 0.1690        | 0.0445         | 1.1900e-003        | 0.0457        |          | 158.9423        | 158.9423        | 7.3400e-003        |     | 159.0964        |
| <b>Total</b> | <b>0.0467</b> | <b>0.0589</b> | <b>0.7363</b> | <b>2.1200e-003</b> | <b>0.1677</b> | <b>1.2900e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.1900e-003</b> | <b>0.0457</b> |          | <b>158.9423</b> | <b>158.9423</b> | <b>7.3400e-003</b> |     | <b>159.0964</b> |

**3.9 Phase Three: Demolition - 2019**

**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 |               |                |                |               | 1.2349        | 0.0000        | 1.2349        | 0.1870         | 0.0000        | 0.1870        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.3224        | 33.9413        | 30.8050        | 0.0399        |               | 1.6448        | 1.6448        |                | 1.5316        | 1.5316        |          | 3,929.2327        | 3,929.2327        | 1.0974        |     | 3,952.2774        |
| <b>Total</b>  | <b>3.3224</b> | <b>33.9413</b> | <b>30.8050</b> | <b>0.0399</b> | <b>1.2349</b> | <b>1.6448</b> | <b>2.8797</b> | <b>0.1870</b>  | <b>1.5316</b> | <b>1.7185</b> |          | <b>3,929.2327</b> | <b>3,929.2327</b> | <b>1.0974</b> |     | <b>3,952.2774</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      | 0.0878        | 1.2432        | 1.0165        | 4.1900e-003        | 0.0995        | 0.0227        | 0.1222        | 0.0273         | 0.0209        | 0.0481        |          | 402.4140        | 402.4140        | 2.9700e-003   |     | 402.4764        |
| 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       | 0.0467        | 0.0589        | 0.7363        | 2.1200e-003        | 0.1677        | 1.2900e-003   | 0.1690        | 0.0445         | 1.1900e-003   | 0.0457        |          | 158.9423        | 158.9423        | 7.3400e-003   |     | 159.0964        |
| <b>Total</b> | <b>0.1345</b> | <b>1.3021</b> | <b>1.7528</b> | <b>6.3100e-003</b> | <b>0.2672</b> | <b>0.0240</b> | <b>0.2911</b> | <b>0.0717</b>  | <b>0.0220</b> | <b>0.0938</b> |          | <b>561.3563</b> | <b>561.3563</b> | <b>0.0103</b> |     | <b>561.5728</b> |

**3.9 Phase Three: Demolition - 2019**

**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 |               |               |                |               | 0.5557        | 0.0000             | 0.5557        | 0.0841         | 0.0000             | 0.0841        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.4739        | 2.0535        | 23.8257        | 0.0399        |               | 9.4800e-003        | 9.4800e-003   |                | 9.4800e-003        | 9.4800e-003   | 0.0000        | 3,929.2327        | 3,929.2327        | 1.0974        |     | 3,952.2774        |
| <b>Total</b>  | <b>0.4739</b> | <b>2.0535</b> | <b>23.8257</b> | <b>0.0399</b> | <b>0.5557</b> | <b>9.4800e-003</b> | <b>0.5652</b> | <b>0.0841</b>  | <b>9.4800e-003</b> | <b>0.0936</b> | <b>0.0000</b> | <b>3,929.2327</b> | <b>3,929.2327</b> | <b>1.0974</b> |     | <b>3,952.2774</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      | 0.0878        | 1.2432        | 1.0165        | 4.1900e-003        | 0.0995        | 0.0227        | 0.1222        | 0.0273         | 0.0209        | 0.0481        |          | 402.4140        | 402.4140        | 2.9700e-003   |     | 402.4764        |
| 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       | 0.0467        | 0.0589        | 0.7363        | 2.1200e-003        | 0.1677        | 1.2900e-003   | 0.1690        | 0.0445         | 1.1900e-003   | 0.0457        |          | 158.9423        | 158.9423        | 7.3400e-003   |     | 159.0964        |
| <b>Total</b> | <b>0.1345</b> | <b>1.3021</b> | <b>1.7528</b> | <b>6.3100e-003</b> | <b>0.2672</b> | <b>0.0240</b> | <b>0.2911</b> | <b>0.0717</b>  | <b>0.0220</b> | <b>0.0938</b> |          | <b>561.3563</b> | <b>561.3563</b> | <b>0.0103</b> |     | <b>561.5728</b> |

**3.10 Phase Three: Grading - 2019**

**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 |               |                |                |               | 6.1888        | 0.0000        | 6.1888        | 3.3333         | 0.0000        | 3.3333        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 4.8912        | 54.1978        | 40.2888        | 0.0617        |               | 2.5049        | 2.5049        |                | 2.3045        | 2.3045        |          | 6,111.312<br>1         | 6,111.312<br>1         | 1.9336        |     | 6,151.916<br>7         |
| <b>Total</b>  | <b>4.8912</b> | <b>54.1978</b> | <b>40.2888</b> | <b>0.0617</b> | <b>6.1888</b> | <b>2.5049</b> | <b>8.6937</b> | <b>3.3333</b>  | <b>2.3045</b> | <b>5.6378</b> |          | <b>6,111.312<br/>1</b> | <b>6,111.312<br/>1</b> | <b>1.9336</b> |     | <b>6,151.916<br/>7</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      | 1.9860        | 28.1274        | 22.9975        | 0.0947        | 2.2516        | 0.5128        | 2.7643        | 0.6166         | 0.4717        | 1.0884        |          | 9,104.510<br>2         | 9,104.510<br>2         | 0.0672        |     | 9,105.921<br>1         |
| 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       | 0.0623        | 0.0785         | 0.9817         | 2.8200e-003   | 0.2236        | 1.7200e-003   | 0.2253        | 0.0593         | 1.5900e-003   | 0.0609        |          | 211.9231               | 211.9231               | 9.7800e-003   |     | 212.1286               |
| <b>Total</b> | <b>2.0483</b> | <b>28.2059</b> | <b>23.9792</b> | <b>0.0975</b> | <b>2.4751</b> | <b>0.5145</b> | <b>2.9896</b> | <b>0.6759</b>  | <b>0.4733</b> | <b>1.1492</b> |          | <b>9,316.433<br/>3</b> | <b>9,316.433<br/>3</b> | <b>0.0770</b> |     | <b>9,318.049<br/>7</b> |



**3.10 Phase Three: Grading - 2019**

**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 |               |               |                |               | 2.7849        | 0.0000        | 2.7849        | 1.5000         | 0.0000        | 1.5000        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 0.7564        | 3.2778        | 34.7787        | 0.0617        |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        | 0.0000        | 6,111.312<br>1         | 6,111.312<br>1         | 1.9336        |     | 6,151.916<br>7         |
| <b>Total</b>  | <b>0.7564</b> | <b>3.2778</b> | <b>34.7787</b> | <b>0.0617</b> | <b>2.7849</b> | <b>0.0151</b> | <b>2.8001</b> | <b>1.5000</b>  | <b>0.0151</b> | <b>1.5151</b> | <b>0.0000</b> | <b>6,111.312<br/>1</b> | <b>6,111.312<br/>1</b> | <b>1.9336</b> |     | <b>6,151.916<br/>7</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      | 1.9860        | 28.1274        | 22.9975        | 0.0947        | 2.2516        | 0.5128        | 2.7643        | 0.6166         | 0.4717        | 1.0884        |          | 9,104.510<br>2         | 9,104.510<br>2         | 0.0672        |     | 9,105.921<br>1         |
| 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       | 0.0623        | 0.0785         | 0.9817         | 2.8200e-003   | 0.2236        | 1.7200e-003   | 0.2253        | 0.0593         | 1.5900e-003   | 0.0609        |          | 211.9231               | 211.9231               | 9.7800e-003   |     | 212.1286               |
| <b>Total</b> | <b>2.0483</b> | <b>28.2059</b> | <b>23.9792</b> | <b>0.0975</b> | <b>2.4751</b> | <b>0.5145</b> | <b>2.9896</b> | <b>0.6759</b>  | <b>0.4733</b> | <b>1.1492</b> |          | <b>9,316.433<br/>3</b> | <b>9,316.433<br/>3</b> | <b>0.0770</b> |     | <b>9,318.049<br/>7</b> |

**3.11 Phase Three: Construction - 2019**

**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     | 2.3516        | 20.9650        | 17.1204        | 0.0268        |               | 1.2850        | 1.2850        |                | 1.2083        | 1.2083        |          | 2,580.7618        | 2,580.7618        | 0.6279        |     | 2,593.9479        |
| <b>Total</b> | <b>2.3516</b> | <b>20.9650</b> | <b>17.1204</b> | <b>0.0268</b> |               | <b>1.2850</b> | <b>1.2850</b> |                | <b>1.2083</b> | <b>1.2083</b> |          | <b>2,580.7618</b> | <b>2,580.7618</b> | <b>0.6279</b> |     | <b>2,593.9479</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       | 2.3985        | 23.5467        | 30.3988        | 0.0765        | 2.2134         | 0.4016        | 2.6150         | 0.6304         | 0.3694        | 0.9998        |          | 7,320.7556         | 7,320.7556         | 0.0519        |     | 7,321.8448         |
| Worker       | 3.5602        | 4.4843         | 56.1058        | 0.1614        | 12.7760        | 0.0982        | 12.8743        | 3.3883         | 0.0911        | 3.4793        |          | 12,111.4052        | 12,111.4052        | 0.5592        |     | 12,123.1481        |
| <b>Total</b> | <b>5.9586</b> | <b>28.0310</b> | <b>86.5046</b> | <b>0.2379</b> | <b>14.9894</b> | <b>0.4998</b> | <b>15.4892</b> | <b>4.0187</b>  | <b>0.4605</b> | <b>4.4792</b> |          | <b>19,432.1608</b> | <b>19,432.1608</b> | <b>0.6111</b> |     | <b>19,444.9929</b> |

**3.11 Phase Three: Construction - 2019**

**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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,580.7618        | 2,580.7618        | 0.6279        |     | 2,593.9479        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,580.7618</b> | <b>2,580.7618</b> | <b>0.6279</b> |     | <b>2,593.9479</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       | 2.3985        | 23.5467        | 30.3988        | 0.0765        | 2.2134         | 0.4016        | 2.6150         | 0.6304         | 0.3694        | 0.9998        |          | 7,320.7556         | 7,320.7556         | 0.0519        |     | 7,321.8448         |
| Worker       | 3.5602        | 4.4843         | 56.1058        | 0.1614        | 12.7760        | 0.0982        | 12.8743        | 3.3883         | 0.0911        | 3.4793        |          | 12,111.4052        | 12,111.4052        | 0.5592        |     | 12,123.1481        |
| <b>Total</b> | <b>5.9586</b> | <b>28.0310</b> | <b>86.5046</b> | <b>0.2379</b> | <b>14.9894</b> | <b>0.4998</b> | <b>15.4892</b> | <b>4.0187</b>  | <b>0.4605</b> | <b>4.4792</b> |          | <b>19,432.1608</b> | <b>19,432.1608</b> | <b>0.6111</b> |     | <b>19,444.9929</b> |

**3.11 Phase Three: Construction - 2020**

**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     | 2.1113        | 19.0839        | 16.8084        | 0.0268        |               | 1.1128        | 1.1128        |                | 1.0465        | 1.0465        |          | 2,542.4799        | 2,542.4799        | 0.6194        |     | 2,555.4880        |
| <b>Total</b> | <b>2.1113</b> | <b>19.0839</b> | <b>16.8084</b> | <b>0.0268</b> |               | <b>1.1128</b> | <b>1.1128</b> |                | <b>1.0465</b> | <b>1.0465</b> |          | <b>2,542.4799</b> | <b>2,542.4799</b> | <b>0.6194</b> |     | <b>2,555.4880</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       | 2.2772        | 20.5555        | 29.3711        | 0.0764        | 2.2136         | 0.3677        | 2.5813         | 0.6305         | 0.3383        | 0.9688        |          | 7,155.9334         | 7,155.9334         | 0.0508        |     | 7,156.9991         |
| Worker       | 3.3365        | 4.1573         | 52.2877        | 0.1614        | 12.7760        | 0.0976        | 12.8737        | 3.3883         | 0.0905        | 3.4788        |          | 11,621.2382        | 11,621.2382        | 0.5296        |     | 11,632.3595        |
| <b>Total</b> | <b>5.6137</b> | <b>24.7128</b> | <b>81.6588</b> | <b>0.2378</b> | <b>14.9896</b> | <b>0.4653</b> | <b>15.4549</b> | <b>4.0188</b>  | <b>0.4288</b> | <b>4.4476</b> |          | <b>18,777.1716</b> | <b>18,777.1716</b> | <b>0.5803</b> |     | <b>18,789.3586</b> |

**3.11 Phase Three: Construction - 2020**

**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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,542.4799        | 2,542.4799        | 0.6194        |     | 2,555.4880        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,542.4799</b> | <b>2,542.4799</b> | <b>0.6194</b> |     | <b>2,555.4880</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       | 2.2772        | 20.5555        | 29.3711        | 0.0764        | 2.2136         | 0.3677        | 2.5813         | 0.6305         | 0.3383        | 0.9688        |          | 7,155.9334         | 7,155.9334         | 0.0508        |     | 7,156.9991         |
| Worker       | 3.3365        | 4.1573         | 52.2877        | 0.1614        | 12.7760        | 0.0976        | 12.8737        | 3.3883         | 0.0905        | 3.4788        |          | 11,621.2382        | 11,621.2382        | 0.5296        |     | 11,632.3595        |
| <b>Total</b> | <b>5.6137</b> | <b>24.7128</b> | <b>81.6588</b> | <b>0.2378</b> | <b>14.9896</b> | <b>0.4653</b> | <b>15.4549</b> | <b>4.0188</b>  | <b>0.4288</b> | <b>4.4476</b> |          | <b>18,777.1716</b> | <b>18,777.1716</b> | <b>0.5803</b> |     | <b>18,789.3586</b> |

**3.12 Phase Four:Demolition - 2020**

**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 |               |                |                |               | 2.1429        | 0.0000        | 2.1429        | 0.3245         | 0.0000        | 0.3245        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.0964        | 31.0154        | 29.6099        | 0.0400        |               | 1.4899        | 1.4899        |                | 1.3865        | 1.3865        |          | 3,857.1420        | 3,857.1420        | 1.0933        |     | 3,880.1021        |
| <b>Total</b>  | <b>3.0964</b> | <b>31.0154</b> | <b>29.6099</b> | <b>0.0400</b> | <b>2.1429</b> | <b>1.4899</b> | <b>3.6327</b> | <b>0.3245</b>  | <b>1.3865</b> | <b>1.7110</b> |          | <b>3,857.1420</b> | <b>3,857.1420</b> | <b>1.0933</b> |     | <b>3,880.1021</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      | 0.1493        | 1.9225        | 1.7365        | 7.2500e-003        | 0.1726        | 0.0390        | 0.2116        | 0.0473         | 0.0359        | 0.0831        |          | 682.0991        | 682.0991        | 5.1500e-003   |     | 682.2073        |
| 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       | 0.0438        | 0.0546        | 0.6862        | 2.1200e-003        | 0.1677        | 1.2800e-003   | 0.1690        | 0.0445         | 1.1900e-003   | 0.0457        |          | 152.5097        | 152.5097        | 6.9500e-003   |     | 152.6556        |
| <b>Total</b> | <b>0.1931</b> | <b>1.9770</b> | <b>2.4227</b> | <b>9.3700e-003</b> | <b>0.3403</b> | <b>0.0403</b> | <b>0.3805</b> | <b>0.0917</b>  | <b>0.0370</b> | <b>0.1288</b> |          | <b>834.6088</b> | <b>834.6088</b> | <b>0.0121</b> |     | <b>834.8629</b> |

**3.12 Phase Four:Demolition - 2020**

**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 |               |               |                |               | 0.9643        | 0.0000             | 0.9643        | 0.1460         | 0.0000             | 0.1460        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.4739        | 2.0535        | 23.8257        | 0.0400        |               | 9.4800e-003        | 9.4800e-003   |                | 9.4800e-003        | 9.4800e-003   | 0.0000        | 3,857.1420        | 3,857.1420        | 1.0933        |     | 3,880.1021        |
| <b>Total</b>  | <b>0.4739</b> | <b>2.0535</b> | <b>23.8257</b> | <b>0.0400</b> | <b>0.9643</b> | <b>9.4800e-003</b> | <b>0.9738</b> | <b>0.1460</b>  | <b>9.4800e-003</b> | <b>0.1555</b> | <b>0.0000</b> | <b>3,857.1420</b> | <b>3,857.1420</b> | <b>1.0933</b> |     | <b>3,880.1021</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      | 0.1493        | 1.9225        | 1.7365        | 7.2500e-003        | 0.1726        | 0.0390        | 0.2116        | 0.0473         | 0.0359        | 0.0831        |          | 682.0991        | 682.0991        | 5.1500e-003   |     | 682.2073        |
| 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       | 0.0438        | 0.0546        | 0.6862        | 2.1200e-003        | 0.1677        | 1.2800e-003   | 0.1690        | 0.0445         | 1.1900e-003   | 0.0457        |          | 152.5097        | 152.5097        | 6.9500e-003   |     | 152.6556        |
| <b>Total</b> | <b>0.1931</b> | <b>1.9770</b> | <b>2.4227</b> | <b>9.3700e-003</b> | <b>0.3403</b> | <b>0.0403</b> | <b>0.3805</b> | <b>0.0917</b>  | <b>0.0370</b> | <b>0.1288</b> |          | <b>834.6088</b> | <b>834.6088</b> | <b>0.0121</b> |     | <b>834.8629</b> |

**3.13 Phase Four: Grading - 2020**

**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 |               |                |                |               | 6.1827        | 0.0000        | 6.1827        | 3.3340         | 0.0000        | 3.3340        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.5501        | 49.3839        | 38.4257        | 0.0617        |               | 2.2619        | 2.2619        |                | 2.0810        | 2.0810        |          | 5,977.7088        | 5,977.7088        | 1.9333        |     | 6,018.3084        |
| <b>Total</b>  | <b>4.5501</b> | <b>49.3839</b> | <b>38.4257</b> | <b>0.0617</b> | <b>6.1827</b> | <b>2.2619</b> | <b>8.4447</b> | <b>3.3340</b>  | <b>2.0810</b> | <b>5.4149</b> |          | <b>5,977.7088</b> | <b>5,977.7088</b> | <b>1.9333</b> |     | <b>6,018.3084</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      | 2.4476        | 31.5239        | 28.4747        | 0.1189        | 2.8300        | 0.6390        | 3.4690        | 0.7751         | 0.5878        | 1.3629        |          | 11,184.8862        | 11,184.8862        | 0.0845        |     | 11,186.6603        |
| 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       | 0.0584        | 0.0727         | 0.9149         | 2.8200e-003   | 0.2236        | 1.7100e-003   | 0.2253        | 0.0593         | 1.5800e-003   | 0.0609        |          | 203.3463           | 203.3463           | 9.2700e-003   |     | 203.5409           |
| <b>Total</b> | <b>2.5059</b> | <b>31.5967</b> | <b>29.3897</b> | <b>0.1217</b> | <b>3.0536</b> | <b>0.6407</b> | <b>3.6942</b> | <b>0.8344</b>  | <b>0.5894</b> | <b>1.4238</b> |          | <b>11,388.2325</b> | <b>11,388.2325</b> | <b>0.0938</b> |     | <b>11,390.2011</b> |



**3.13 Phase Four: Grading - 2020**

**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 |               |               |                |               | 2.7822        | 0.0000        | 2.7822        | 1.5003         | 0.0000        | 1.5003        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.7564        | 3.2778        | 34.7787        | 0.0617        |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        | 0.0000        | 5,977.7088        | 5,977.7088        | 1.9333        |     | 6,018.3084        |
| <b>Total</b>  | <b>0.7564</b> | <b>3.2778</b> | <b>34.7787</b> | <b>0.0617</b> | <b>2.7822</b> | <b>0.0151</b> | <b>2.7974</b> | <b>1.5003</b>  | <b>0.0151</b> | <b>1.5154</b> | <b>0.0000</b> | <b>5,977.7088</b> | <b>5,977.7088</b> | <b>1.9333</b> |     | <b>6,018.3084</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      | 2.4476        | 31.5239        | 28.4747        | 0.1189        | 2.8300        | 0.6390        | 3.4690        | 0.7751         | 0.5878        | 1.3629        |          | 11,184.8862        | 11,184.8862        | 0.0845        |     | 11,186.6603        |
| 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       | 0.0584        | 0.0727         | 0.9149         | 2.8200e-003   | 0.2236        | 1.7100e-003   | 0.2253        | 0.0593         | 1.5800e-003   | 0.0609        |          | 203.3463           | 203.3463           | 9.2700e-003   |     | 203.5409           |
| <b>Total</b> | <b>2.5059</b> | <b>31.5967</b> | <b>29.3897</b> | <b>0.1217</b> | <b>3.0536</b> | <b>0.6407</b> | <b>3.6942</b> | <b>0.8344</b>  | <b>0.5894</b> | <b>1.4238</b> |          | <b>11,388.2325</b> | <b>11,388.2325</b> | <b>0.0938</b> |     | <b>11,390.2011</b> |

**3.14 Phase Four: Construction - 2020**

**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     | 2.1113        | 19.0839        | 16.8084        | 0.0268        |               | 1.1128        | 1.1128        |                | 1.0465        | 1.0465        |          | 2,542.4799        | 2,542.4799        | 0.6194        |     | 2,555.4880        |
| <b>Total</b> | <b>2.1113</b> | <b>19.0839</b> | <b>16.8084</b> | <b>0.0268</b> |               | <b>1.1128</b> | <b>1.1128</b> |                | <b>1.0465</b> | <b>1.0465</b> |          | <b>2,542.4799</b> | <b>2,542.4799</b> | <b>0.6194</b> |     | <b>2,555.4880</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       | 2.2772        | 20.5555        | 29.3711        | 0.0764        | 2.2136         | 0.3677        | 2.5813         | 0.6305         | 0.3383        | 0.9688        |          | 7,155.9334         | 7,155.9334         | 0.0508        |     | 7,156.9991         |
| Worker       | 3.3365        | 4.1573         | 52.2877        | 0.1614        | 12.7760        | 0.0976        | 12.8737        | 3.3883         | 0.0905        | 3.4788        |          | 11,621.2382        | 11,621.2382        | 0.5296        |     | 11,632.3595        |
| <b>Total</b> | <b>5.6137</b> | <b>24.7128</b> | <b>81.6588</b> | <b>0.2378</b> | <b>14.9896</b> | <b>0.4653</b> | <b>15.4549</b> | <b>4.0188</b>  | <b>0.4288</b> | <b>4.4476</b> |          | <b>18,777.1716</b> | <b>18,777.1716</b> | <b>0.5803</b> |     | <b>18,789.3586</b> |

**3.14 Phase Four: Construction - 2020**

**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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,542.4799        | 2,542.4799        | 0.6194        |     | 2,555.4880        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,542.4799</b> | <b>2,542.4799</b> | <b>0.6194</b> |     | <b>2,555.4880</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       | 2.2772        | 20.5555        | 29.3711        | 0.0764        | 2.2136         | 0.3677        | 2.5813         | 0.6305         | 0.3383        | 0.9688        |          | 7,155.9334         | 7,155.9334         | 0.0508        |     | 7,156.9991         |
| Worker       | 3.3365        | 4.1573         | 52.2877        | 0.1614        | 12.7760        | 0.0976        | 12.8737        | 3.3883         | 0.0905        | 3.4788        |          | 11,621.2382        | 11,621.2382        | 0.5296        |     | 11,632.3595        |
| <b>Total</b> | <b>5.6137</b> | <b>24.7128</b> | <b>81.6588</b> | <b>0.2378</b> | <b>14.9896</b> | <b>0.4653</b> | <b>15.4549</b> | <b>4.0188</b>  | <b>0.4288</b> | <b>4.4476</b> |          | <b>18,777.1716</b> | <b>18,777.1716</b> | <b>0.5803</b> |     | <b>18,789.3586</b> |

**3.14 Phase Four: 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     | 1.8931        | 17.3403        | 16.5376        | 0.0268        |               | 0.9549        | 0.9549        |                | 0.8979        | 0.8979        |          | 2,542.7817        | 2,542.7817        | 0.6126        |     | 2,555.6462        |
| <b>Total</b> | <b>1.8931</b> | <b>17.3403</b> | <b>16.5376</b> | <b>0.0268</b> |               | <b>0.9549</b> | <b>0.9549</b> |                | <b>0.8979</b> | <b>0.8979</b> |          | <b>2,542.7817</b> | <b>2,542.7817</b> | <b>0.6126</b> |     | <b>2,555.6462</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       | 2.2014        | 17.4549        | 28.5687        | 0.0764        | 2.2136         | 0.3352        | 2.5488         | 0.6305         | 0.3084        | 0.9389        |          | 7,152.7514         | 7,152.7514         | 0.0511        |     | 7,153.8249         |
| Worker       | 3.1574        | 3.8878         | 49.1827        | 0.1617        | 12.7760        | 0.0977        | 12.8738        | 3.3883         | 0.0906        | 3.4789        |          | 11,442.4415        | 11,442.4415        | 0.5069        |     | 11,453.0868        |
| <b>Total</b> | <b>5.3588</b> | <b>21.3427</b> | <b>77.7514</b> | <b>0.2381</b> | <b>14.9896</b> | <b>0.4329</b> | <b>15.4225</b> | <b>4.0188</b>  | <b>0.3990</b> | <b>4.4178</b> |          | <b>18,595.1929</b> | <b>18,595.1929</b> | <b>0.5580</b> |     | <b>18,606.9117</b> |

**3.14 Phase Four: Construction - 2021**

**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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,542.7817        | 2,542.7817        | 0.6126        |     | 2,555.6462        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,542.7817</b> | <b>2,542.7817</b> | <b>0.6126</b> |     | <b>2,555.6462</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       | 2.2014        | 17.4549        | 28.5687        | 0.0764        | 2.2136         | 0.3352        | 2.5488         | 0.6305         | 0.3084        | 0.9389        |          | 7,152.7514         | 7,152.7514         | 0.0511        |     | 7,153.8249         |
| Worker       | 3.1574        | 3.8878         | 49.1827        | 0.1617        | 12.7760        | 0.0977        | 12.8738        | 3.3883         | 0.0906        | 3.4789        |          | 11,442.4415        | 11,442.4415        | 0.5069        |     | 11,453.0868        |
| <b>Total</b> | <b>5.3588</b> | <b>21.3427</b> | <b>77.7514</b> | <b>0.2381</b> | <b>14.9896</b> | <b>0.4329</b> | <b>15.4225</b> | <b>4.0188</b>  | <b>0.3990</b> | <b>4.4178</b> |          | <b>18,595.1929</b> | <b>18,595.1929</b> | <b>0.5580</b> |     | <b>18,606.9117</b> |

**3.14 Phase Four: Construction - 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     | 1.6992        | 15.5364        | 16.3276        | 0.0268        |               | 0.8057        | 0.8057        |                | 0.7581        | 0.7581        |          | 2,543.7497        | 2,543.7497        | 0.6085        |     | 2,556.5286        |
| <b>Total</b> | <b>1.6992</b> | <b>15.5364</b> | <b>16.3276</b> | <b>0.0268</b> |               | <b>0.8057</b> | <b>0.8057</b> |                | <b>0.7581</b> | <b>0.7581</b> |          | <b>2,543.7497</b> | <b>2,543.7497</b> | <b>0.6085</b> |     | <b>2,556.5286</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       | 2.1568        | 15.8452        | 27.9077        | 0.0763        | 2.2136         | 0.3315        | 2.5451         | 0.6305         | 0.3050        | 0.9355        |          | 7,146.3541         | 7,146.3541         | 0.0522        |     | 7,147.4509         |
| Worker       | 2.9898        | 3.6473         | 46.3070        | 0.1617        | 12.7760        | 0.0977        | 12.8737        | 3.3883         | 0.0906        | 3.4788        |          | 11,253.7458        | 11,253.7458        | 0.4854        |     | 11,263.9388        |
| <b>Total</b> | <b>5.1466</b> | <b>19.4926</b> | <b>74.2147</b> | <b>0.2380</b> | <b>14.9897</b> | <b>0.4291</b> | <b>15.4188</b> | <b>4.0188</b>  | <b>0.3956</b> | <b>4.4143</b> |          | <b>18,400.1000</b> | <b>18,400.1000</b> | <b>0.5376</b> |     | <b>18,411.3897</b> |

**3.14 Phase Four: Construction - 2022**

**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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,543.7497        | 2,543.7497        | 0.6085        |     | 2,556.5286        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,543.7497</b> | <b>2,543.7497</b> | <b>0.6085</b> |     | <b>2,556.5286</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       | 2.1568        | 15.8452        | 27.9077        | 0.0763        | 2.2136         | 0.3315        | 2.5451         | 0.6305         | 0.3050        | 0.9355        |          | 7,146.3541         | 7,146.3541         | 0.0522        |     | 7,147.4509         |
| Worker       | 2.9898        | 3.6473         | 46.3070        | 0.1617        | 12.7760        | 0.0977        | 12.8737        | 3.3883         | 0.0906        | 3.4788        |          | 11,253.7458        | 11,253.7458        | 0.4854        |     | 11,263.9388        |
| <b>Total</b> | <b>5.1466</b> | <b>19.4926</b> | <b>74.2147</b> | <b>0.2380</b> | <b>14.9897</b> | <b>0.4291</b> | <b>15.4188</b> | <b>4.0188</b>  | <b>0.3956</b> | <b>4.4143</b> |          | <b>18,400.1000</b> | <b>18,400.1000</b> | <b>0.5376</b> |     | <b>18,411.3897</b> |

### 3.15 Phase Four: 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 | 57.6079        |               |               |                    |               | 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        |     | 281.8537        |
| <b>Total</b>    | <b>57.8268</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>281.8537</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       | 0.6326        | 0.7789        | 9.8538        | 0.0324        | 2.5597        | 0.0196        | 2.5793        | 0.6788         | 0.0182        | 0.6970        |          | 2,292.4927        | 2,292.4927        | 0.1016        |     | 2,294.6254        |
| <b>Total</b> | <b>0.6326</b> | <b>0.7789</b> | <b>9.8538</b> | <b>0.0324</b> | <b>2.5597</b> | <b>0.0196</b> | <b>2.5793</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6970</b> |          | <b>2,292.4927</b> | <b>2,292.4927</b> | <b>0.1016</b> |     | <b>2,294.6254</b> |



**3.15 Phase Four: Architectural Coating - 2021**

**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 | 57.6079        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.0297         | 0.1288        | 1.8324        | 2.9700e-003        |               | 5.9000e-004        | 5.9000e-004        |                | 5.9000e-004        | 5.9000e-004        | 0.0000        | 281.4481        | 281.4481        | 0.0193        |     | 281.8537        |
| <b>Total</b>    | <b>57.6376</b> | <b>0.1288</b> | <b>1.8324</b> | <b>2.9700e-003</b> |               | <b>5.9000e-004</b> | <b>5.9000e-004</b> |                | <b>5.9000e-004</b> | <b>5.9000e-004</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.8537</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       | 0.6326        | 0.7789        | 9.8538        | 0.0324        | 2.5597        | 0.0196        | 2.5793        | 0.6788         | 0.0182        | 0.6970        |          | 2,292.4927        | 2,292.4927        | 0.1016        |     | 2,294.6254        |
| <b>Total</b> | <b>0.6326</b> | <b>0.7789</b> | <b>9.8538</b> | <b>0.0324</b> | <b>2.5597</b> | <b>0.0196</b> | <b>2.5793</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6970</b> |          | <b>2,292.4927</b> | <b>2,292.4927</b> | <b>0.1016</b> |     | <b>2,294.6254</b> |

**3.15 Phase Four: 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        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 57.6079        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045         | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        |          | 281.4481        | 281.4481        | 0.0183        |     | 281.8329        |
| <b>Total</b>    | <b>57.8124</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.8329</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       | 0.5990        | 0.7307        | 9.2776        | 0.0324        | 2.5597        | 0.0196        | 2.5792        | 0.6788         | 0.0182        | 0.6970        |          | 2,254.6875        | 2,254.6875        | 0.0973        |     | 2,256.7297        |
| <b>Total</b> | <b>0.5990</b> | <b>0.7307</b> | <b>9.2776</b> | <b>0.0324</b> | <b>2.5597</b> | <b>0.0196</b> | <b>2.5792</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6970</b> |          | <b>2,254.6875</b> | <b>2,254.6875</b> | <b>0.0973</b> |     | <b>2,256.7297</b> |

**3.15 Phase Four: Architectural Coating - 2022**

**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 | 57.6079        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.0297         | 0.1288        | 1.8324        | 2.9700e-003        |               | 5.9000e-004        | 5.9000e-004        |                | 5.9000e-004        | 5.9000e-004        | 0.0000        | 281.4481        | 281.4481        | 0.0183        |     | 281.8329        |
| <b>Total</b>    | <b>57.6376</b> | <b>0.1288</b> | <b>1.8324</b> | <b>2.9700e-003</b> |               | <b>5.9000e-004</b> | <b>5.9000e-004</b> |                | <b>5.9000e-004</b> | <b>5.9000e-004</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.8329</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       | 0.5990        | 0.7307        | 9.2776        | 0.0324        | 2.5597        | 0.0196        | 2.5792        | 0.6788         | 0.0182        | 0.6970        |          | 2,254.6875        | 2,254.6875        | 0.0973        |     | 2,256.7297        |
| <b>Total</b> | <b>0.5990</b> | <b>0.7307</b> | <b>9.2776</b> | <b>0.0324</b> | <b>2.5597</b> | <b>0.0196</b> | <b>2.5792</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6970</b> |          | <b>2,254.6875</b> | <b>2,254.6875</b> | <b>0.0973</b> |     | <b>2,256.7297</b> |

**3.16 Phase Four: 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     | 1.0815        | 10.9108        | 14.2815        | 0.0223        |               | 0.5577        | 0.5577        |                | 0.5131        | 0.5131        |          | 2,160.6869        | 2,160.6869        | 0.6988        |     | 2,175.3619        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.0815</b> | <b>10.9108</b> | <b>14.2815</b> | <b>0.0223</b> |               | <b>0.5577</b> | <b>0.5577</b> |                | <b>0.5131</b> | <b>0.5131</b> |          | <b>2,160.6869</b> | <b>2,160.6869</b> | <b>0.6988</b> |     | <b>2,175.3619</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       | 0.0392        | 0.0479        | 0.6077        | 2.1200e-003        | 0.1677        | 1.2800e-003        | 0.1690        | 0.0445         | 1.1900e-003        | 0.0457        |          | 147.6870        | 147.6870        | 6.3700e-003        |     | 147.8207        |
| <b>Total</b> | <b>0.0392</b> | <b>0.0479</b> | <b>0.6077</b> | <b>2.1200e-003</b> | <b>0.1677</b> | <b>1.2800e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.1900e-003</b> | <b>0.0457</b> |          | <b>147.6870</b> | <b>147.6870</b> | <b>6.3700e-003</b> |     | <b>147.8207</b> |

**3.16 Phase Four: Paving - 2022**

**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     | 0.2745        | 1.1895        | 16.9276        | 0.0223        |               | 5.4900e-003        | 5.4900e-003        |                | 5.4900e-003        | 5.4900e-003        | 0.0000        | 2,160.6869        | 2,160.6869        | 0.6988        |     | 2,175.3619        |
| Paving       | 0.0000        |               |                |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.2745</b> | <b>1.1895</b> | <b>16.9276</b> | <b>0.0223</b> |               | <b>5.4900e-003</b> | <b>5.4900e-003</b> |                | <b>5.4900e-003</b> | <b>5.4900e-003</b> | <b>0.0000</b> | <b>2,160.6869</b> | <b>2,160.6869</b> | <b>0.6988</b> |     | <b>2,175.3619</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       | 0.0392        | 0.0479        | 0.6077        | 2.1200e-003        | 0.1677        | 1.2800e-003        | 0.1690        | 0.0445         | 1.1900e-003        | 0.0457        |          | 147.6870        | 147.6870        | 6.3700e-003        |     | 147.8207        |
| <b>Total</b> | <b>0.0392</b> | <b>0.0479</b> | <b>0.6077</b> | <b>2.1200e-003</b> | <b>0.1677</b> | <b>1.2800e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.1900e-003</b> | <b>0.0457</b> |          | <b>147.6870</b> | <b>147.6870</b> | <b>6.3700e-003</b> |     | <b>147.8207</b> |

**4.0 Operational Detail - Mobile**

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### 4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

Provide Riade Sharing Program

|             | 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   | 51.1777 | 95.0051  | 443.2513 | 1.3360 | 86.8310       | 1.7660       | 88.5969    | 23.2043        | 1.6294        | 24.8338     |          | 100,938.6637 | 100,938.6637 | 3.3649 |     | 101,009.3270 |
| Unmitigated | 56.7725 | 130.9294 | 588.9178 | 1.9863 | 131.0810      | 2.5686       | 133.6496   | 35.0295        | 2.3696        | 37.3992     |          | 150,048.0055 | 150,048.0055 | 4.8680 |     | 150,150.2342 |

### 4.2 Trip Summary Information

| Land Use                            | Average Daily Trip Rate |                  |                  | Unmitigated       | Mitigated         |
|-------------------------------------|-------------------------|------------------|------------------|-------------------|-------------------|
|                                     | Weekday                 | Saturday         | Sunday           | Annual VMT        | Annual VMT        |
| City Park                           | 110.95                  | 110.95           | 110.95           | 319,263           | 209,450           |
| Condo/Townhouse High Rise           | 1,176.00                | 1,432.00         | 1214.00          | 4,162,091         | 2,881,466         |
| Condo/Townhouse High Rise           | 3,410.40                | 4,152.80         | 3520.60          | 12,070,064        | 8,356,252         |
| Enclosed Parking with Elevator      | 0.00                    | 0.00             | 0.00             |                   |                   |
| Enclosed Parking with Elevator      | 0.00                    | 0.00             | 0.00             |                   |                   |
| Enclosed Parking with Elevator      | 0.00                    | 0.00             | 0.00             |                   |                   |
| Government (Civic Center)           | 6,126.41                | 0.00             | 0.00             | 13,513,671        | 8,716,444         |
| High Turnover (Sit Down Restaurant) | 1,017.20                | 1,266.96         | 1054.72          | 1,442,202         | 950,727           |
| Hotel                               | 1,634.00                | 1,638.00         | 1190.00          | 3,749,016         | 2,465,413         |
| Library                             | 3,533.72                | 4,282.60         | 2345.08          | 8,762,925         | 5,655,704         |
| Regional Shopping Center            | 3,238.08                | 1,599.04         | 807.68           | 5,746,096         | 3,781,132         |
| <b>Total</b>                        | <b>20,246.76</b>        | <b>14,482.35</b> | <b>10,243.03</b> | <b>49,765,327</b> | <b>33,016,588</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-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| City Park                      | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 66             | 28       | 6       |
| Condo/Townhouse High Rise      | 14.70      | 5.90       | 8.70        | 40.20      | 19.20      | 40.60       | 86             | 11       | 3       |
| Condo/Townhouse High Rise      | 14.70      | 5.90       | 8.70        | 40.20      | 19.20      | 40.60       | 86             | 11       | 3       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Government (Civic Center)      | 16.60      | 8.40       | 6.90        | 75.00      | 20.00      | 5.00        | 50             | 34       | 16      |
| High Turnover (Sit Down)       | 16.60      | 8.40       | 6.90        | 8.50       | 72.50      | 19.00       | 37             | 20       | 43      |
| Hotel                          | 16.60      | 8.40       | 6.90        | 19.40      | 61.60      | 19.00       | 58             | 38       | 4       |
| Library                        | 16.60      | 8.40       | 6.90        | 52.00      | 43.00      | 5.00        | 44             | 44       | 12      |
| Regional Shopping Center       | 16.60      | 8.40       | 6.90        | 16.30      | 64.70      | 19.00       | 54             | 35       | 11      |

| LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.504606 | 0.059848 | 0.182048 | 0.140509 | 0.043346 | 0.006835 | 0.016277 | 0.034901 | 0.001966 | 0.002503 | 0.004308 | 0.000568 | 0.002288 |

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable 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               | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| NaturalGas Mitigated   | 0.7056 | 6.2626 | 4.2717 | 0.0385 |               | 0.4875       | 0.4875     |                | 0.4875        | 0.4875      |          | 7,697.8178 | 7,697.8178 | 0.1475 | 0.1411 | 7,744.6655 |
| NaturalGas Unmitigated | 0.8404 | 7.4592 | 5.0899 | 0.0458 |               | 0.5807       | 0.5807     |                | 0.5807        | 0.5807      |          | 9,168.3897 | 9,168.3897 | 0.1757 | 0.1681 | 9,224.1869 |



### 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   |                   |                   |               |               |                   |
| Condo/Townhouse High Rise           | 22891.8        | 0.2469        | 2.1096        | 0.8977        | 0.0135        |               | 0.1706        | 0.1706        |                | 0.1706        | 0.1706        |          | 2,693.1499        | 2,693.1499        | 0.0516        | 0.0494        | 2,709.5399        |
| Condo/Townhouse High Rise           | 7893.72        | 0.0851        | 0.7275        | 0.3096        | 4.6400e-003   |               | 0.0588        | 0.0588        |                | 0.0588        | 0.0588        |          | 928.6724          | 928.6724          | 0.0178        | 0.0170        | 934.3241          |
| Enclosed Parking with Elevator      | 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            |
| Government (Civic Center)           | 17242.2        | 0.1860        | 1.6904        | 1.4200        | 0.0101        |               | 0.1285        | 0.1285        |                | 0.1285        | 0.1285        |          | 2,028.4988        | 2,028.4988        | 0.0389        | 0.0372        | 2,040.8439        |
| High Turnover (Sit Down Restaurant) | 5107.07        | 0.0551        | 0.5007        | 0.4206        | 3.0000e-003   |               | 0.0381        | 0.0381        |                | 0.0381        | 0.0381        |          | 600.8316          | 600.8316          | 0.0115        | 0.0110        | 604.4882          |
| Hotel                               | 19906.3        | 0.2147        | 1.9516        | 1.6393        | 0.0117        |               | 0.1483        | 0.1483        |                | 0.1483        | 0.1483        |          | 2,341.9204        | 2,341.9204        | 0.0449        | 0.0429        | 2,356.1729        |
| Library                             | 4741.15        | 0.0511        | 0.4648        | 0.3905        | 2.7900e-003   |               | 0.0353        | 0.0353        |                | 0.0353        | 0.0353        |          | 557.7824          | 557.7824          | 0.0107        | 0.0102        | 561.1770          |
| Regional Shopping Center            | 149.041        | 1.6100e-003   | 0.0146        | 0.0123        | 9.0000e-005   |               | 1.1100e-003   | 1.1100e-003   |                | 1.1100e-003   | 1.1100e-003   |          | 17.5343           | 17.5343           | 3.4000e-004   | 3.2000e-004   | 17.6410           |
| City Park                           | 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>0.8405</b> | <b>7.4592</b> | <b>5.0899</b> | <b>0.0458</b> |               | <b>0.5807</b> | <b>0.5807</b> |                | <b>0.5807</b> | <b>0.5807</b> |          | <b>9,168.3897</b> | <b>9,168.3897</b> | <b>0.1757</b> | <b>0.1681</b> | <b>9,224.1869</b> |

### 5.2 Energy by Land Use - NaturalGas

#### 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   |                   |                   |               |               |                   |
| Condo/Townhouse High Rise           | 6.63837        | 0.0716        | 0.6118        | 0.2603        | 3.9000e-003   |               | 0.0495        | 0.0495        |                | 0.0495        | 0.0495        |          | 780.9846          | 780.9846          | 0.0150        | 0.0143        | 785.7376          |
| Enclosed Parking with Elevator      | 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            |
| Government (Civic Center)           | 13.9168        | 0.1501        | 1.3644        | 1.1461        | 8.1900e-003   |               | 0.1037        | 0.1037        |                | 0.1037        | 0.1037        |          | 1,637.2751        | 1,637.2751        | 0.0314        | 0.0300        | 1,647.2392        |
| High Turnover (Sit Down Restaurant) | 4.9088         | 0.0529        | 0.4813        | 0.4043        | 2.8900e-003   |               | 0.0366        | 0.0366        |                | 0.0366        | 0.0366        |          | 577.5059          | 577.5059          | 0.0111        | 0.0106        | 581.0205          |
| Hotel                               | 16.5711        | 0.1787        | 1.6246        | 1.3647        | 9.7500e-003   |               | 0.1235        | 0.1235        |                | 0.1235        | 0.1235        |          | 1,949.5411        | 1,949.5411        | 0.0374        | 0.0357        | 1,961.4057        |
| Library                             | 4.01725        | 0.0433        | 0.3939        | 0.3308        | 2.3600e-003   |               | 0.0299        | 0.0299        |                | 0.0299        | 0.0299        |          | 472.6176          | 472.6176          | 9.0600e-003   | 8.6600e-003   | 475.4938          |
| Regional Shopping Center            | 0.127825       | 1.3800e-003   | 0.0125        | 0.0105        | 8.0000e-005   |               | 9.5000e-004   | 9.5000e-004   |                | 9.5000e-004   | 9.5000e-004   |          | 15.0382           | 15.0382           | 2.9000e-004   | 2.8000e-004   | 15.1297           |
| City Park                           | 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            |
| Condo/Townhouse High Rise           | 19.2513        | 0.2076        | 1.7741        | 0.7550        | 0.0113        |               | 0.1434        | 0.1434        |                | 0.1434        | 0.1434        |          | 2,264.8554        | 2,264.8554        | 0.0434        | 0.0415        | 2,278.6390        |
| <b>Total</b>                        |                | <b>0.7056</b> | <b>6.2626</b> | <b>4.2717</b> | <b>0.0385</b> |               | <b>0.4875</b> | <b>0.4875</b> |                | <b>0.4875</b> | <b>0.4875</b> |          | <b>7,697.8178</b> | <b>7,697.8178</b> | <b>0.1476</b> | <b>0.1411</b> | <b>7,744.6655</b> |

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

|             | 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   | 56.8760 | 0.6697 | 56.9957 | 2.8200e-003 |               | 0.3101       | 0.3101     |                | 0.3101        | 0.3101      | 0.0000   | 98.8792   | 98.8792   | 0.0869 | 0.0000 | 100.7050 |
| Unmitigated | 64.8879 | 0.7490 | 64.8110 | 3.4200e-003 |               | 0.3559       | 0.3559     |                | 0.3559        | 0.3559      | 0.0000   | 116.3950  | 116.3950  | 0.1144 | 0.0000 | 118.7972 |

## 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 | 11.1241        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |               | 0.0000          |
| Consumer Products     | 51.7746        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |               | 0.0000          |
| Hearth                | 0.0000         | 0.0000        | 0.0000         | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Landscaping           | 1.9892         | 0.7490        | 64.8110        | 3.4200e-003        |               | 0.3559        | 0.3559        |                | 0.3559        | 0.3559        |               | 116.3950        | 116.3950        | 0.1144        |               | 118.7972        |
| <b>Total</b>          | <b>64.8879</b> | <b>0.7490</b> | <b>64.8110</b> | <b>3.4200e-003</b> |               | <b>0.3559</b> | <b>0.3559</b> |                | <b>0.3559</b> | <b>0.3559</b> | <b>0.0000</b> | <b>116.3950</b> | <b>116.3950</b> | <b>0.1144</b> | <b>0.0000</b> | <b>118.7972</b> |

## 6.2 Area by SubCategory

### 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 | 3.5824         |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |               | 0.0000          |
| Consumer Products     | 51.7746        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |               | 0.0000          |
| Hearth                | 0.0000         | 0.0000        | 0.0000         | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000          |
| Landscaping           | 1.5190         | 0.6697        | 56.9957        | 2.8200e-003        |               | 0.3101        | 0.3101        |                | 0.3101        | 0.3101        |               | 98.8792        | 98.8792        | 0.0869        |               | 100.7050        |
| <b>Total</b>          | <b>56.8760</b> | <b>0.6697</b> | <b>56.9957</b> | <b>2.8200e-003</b> |               | <b>0.3101</b> | <b>0.3101</b> |                | <b>0.3101</b> | <b>0.3101</b> | <b>0.0000</b> | <b>98.8792</b> | <b>98.8792</b> | <b>0.0869</b> | <b>0.0000</b> | <b>100.7050</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

## 9.0 Operational Offroad

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

## 10.0 Vegetation

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**Project with Mitigation Measure AQ-3  
Long Beach Civic Center  
South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                           | Size   | Metric        | Lot Acreage | Floor Surface Area | Population |
|-------------------------------------|--------|---------------|-------------|--------------------|------------|
| Government (Civic Center)           | 575.79 | 1000sqft      | 3.78        | 575,793.00         | 0          |
| Library                             | 92.00  | 1000sqft      | 1.73        | 92,000.00          | 0          |
| Enclosed Parking with Elevator      | 509.00 | Space         | 0.00        | 203,600.00         | 0          |
| Enclosed Parking with Elevator      | 250.00 | Space         | 0.00        | 100,000.00         | 0          |
| Enclosed Parking with Elevator      | 725.00 | Space         | 0.00        | 290,000.00         | 0          |
| City Park                           | 3.17   | Acre          | 3.17        | 138,085.20         | 0          |
| High Turnover (Sit Down Restaurant) | 8.00   | 1000sqft      | 0.00        | 8,000.00           | 0          |
| Hotel                               | 200.00 | Room          | 0.00        | 290,400.00         | 0          |
| Condo/Townhouse High Rise           | 200.00 | Dwelling Unit | 0.90        | 235,000.00         | 572        |
| Condo/Townhouse High Rise           | 580.00 | Dwelling Unit | 6.29        | 650,000.00         | 1659       |
| Regional Shopping Center            | 32.00  | 1000sqft      | 0.00        | 32,000.00          | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 31    |
| <b>Climate Zone</b>             | 9                          |                                 |       | <b>Operational Year</b>          | 2020  |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 630.89                     | <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 - Civic Center includes City Hall, Port Bldg, and plaza. Total lot acreage divided by uses (estimated from site plan). SF from PD.

Construction Phase - Construction Schedule from applicant provided material. Courthouse Demolition assumed to occur before grading begins.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Demolition includes City Hall, Library, and Old Courthouse.

Grading - Grading area estimated from export study.

Architectural Coating - Use of low-VOC paint (150 g/L for nonflat coatings) as required by SCAQMD Rule 1113. SF updated based on phasing.

Vehicle Trips - Trip rates from LLG Traffic Study (Appendix E).

Woodstoves - Assumed compliance with SCAQMD's Healthy Hearths Initiative Rule 445 - wood burning devices cannot be installed in new developments.

Area Coating - Use of low-VOC paint (150 g/L for nonflat coatings) as required by SCAQMD Rule 1113. Non-residential SF does not include park.

Construction Off-road Equipment Mitigation - Assumed compliance with SCAQMD Fugitive Dust Rule 403 and Downtown Plan EIR Mitigation Measure AQ-1(c).

Mobile Land Use Mitigation - Approx. 107 du/acre (Center Block and Third and Pacific Block). Project site in Downtown.

Mobile Commute Mitigation - Assumed compliance with Downtown Plan EIR Mitigation Measure AQ-2.

Area Mitigation - Use of low-VOC paint (150 g/L for nonflat coatings) SCAQMD Rule 1113. Assumed compliance with MM AQ-3.

Energy Mitigation - Assumed compliance with DP EIR MM AQ-2 and MM GHG-2(b). Light energy reduction [https://www.energystar.gov/index.cfm?c=ssl.pr\\_why\\_es\\_com](https://www.energystar.gov/index.cfm?c=ssl.pr_why_es_com)

Water Mitigation - Assumed compliance with DP EIR MM GHG-2(b)

Waste Mitigation -

| Table Name              | Column Name                       | Default Value | New Value    |
|-------------------------|-----------------------------------|---------------|--------------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 864,939.00    | 435,697.00   |
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 864,939.00    | 50,000.00    |
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 864,939.00    | 310,200.00   |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 2,594,817.00  | 1,307,090.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 2,594,817.00  | 150,000.00   |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 2,594,817.00  | 930,600.00   |







|                         |              |            |              |
|-------------------------|--------------|------------|--------------|
| tblConstEquipMitigation | Tier         | No Change  | Tier 4 Final |
| tblConstEquipMitigation | Tier         | No Change  | Tier 4 Final |
| tblConstEquipMitigation | Tier         | No Change  | Tier 4 Final |
| tblConstEquipMitigation | Tier         | No Change  | Tier 4 Final |
| tblConstructionPhase    | NumDays      | 20.00      | 238.00       |
| tblConstructionPhase    | NumDays      | 20.00      | 132.00       |
| tblConstructionPhase    | NumDays      | 20.00      | 349.00       |
| tblConstructionPhase    | NumDays      | 300.00     | 87.00        |
| tblConstructionPhase    | NumDays      | 300.00     | 346.00       |
| tblConstructionPhase    | NumDays      | 300.00     | 694.00       |
| tblConstructionPhase    | NumDays      | 20.00      | 86.00        |
| tblConstructionPhase    | NumDays      | 20.00      | 130.00       |
| tblConstructionPhase    | NumDays      | 20.00      | 110.00       |
| tblConstructionPhase    | NumDays      | 30.00      | 154.00       |
| tblConstructionPhase    | NumDays      | 30.00      | 284.00       |
| tblConstructionPhase    | NumDays      | 30.00      | 66.00        |
| tblConstructionPhase    | NumDays      | 20.00      | 86.00        |
| tblConstructionPhase    | NumDays      | 20.00      | 195.00       |
| tblConstructionPhase    | NumDays      | 20.00      | 282.00       |
| tblConstructionPhase    | PhaseEndDate | 1/26/2023  | 7/29/2022    |
| tblConstructionPhase    | PhaseEndDate | 7/3/2018   | 10/31/2017   |
| tblConstructionPhase    | PhaseEndDate | 3/4/2019   | 10/31/2019   |
| tblConstructionPhase    | PhaseEndDate | 4/30/2020  | 3/31/2020    |
| tblConstructionPhase    | PhaseEndDate | 4/29/2022  | 2/28/2022    |
| tblConstructionPhase    | PhaseEndDate | 11/28/2019 | 4/30/2019    |
| tblConstructionPhase    | PhaseEndDate | 9/29/2020  | 6/30/2020    |
| tblConstructionPhase    | PhaseEndDate | 5/1/2020   | 11/29/2019   |
| tblConstructionPhase    | PhaseEndDate | 2/1/2021   | 12/31/2020   |

|                      |                   |            |            |
|----------------------|-------------------|------------|------------|
| tblConstructionPhase | PhaseEndDate      | 6/1/2017   | 3/31/2017  |
| tblConstructionPhase | PhaseEndDate      | 3/2/2020   | 12/31/2019 |
| tblConstructionPhase | PhaseEndDate      | 11/28/2022 | 7/29/2022  |
| tblConstructionPhase | PhaseEndDate      | 1/28/2020  | 12/29/2017 |
| tblConstructionPhase | PhaseEndDate      | 11/30/2020 | 11/29/2019 |
| tblConstructionPhase | PhaseStartDate    | 3/1/2022   | 9/1/2021   |
| tblConstructionPhase | PhaseStartDate    | 12/30/2017 | 5/1/2017   |
| tblConstructionPhase | PhaseStartDate    | 11/1/2017  | 7/2/2018   |
| tblConstructionPhase | PhaseStartDate    | 1/1/2020   | 12/2/2019  |
| tblConstructionPhase | PhaseStartDate    | 1/1/2021   | 11/2/2020  |
| tblConstructionPhase | PhaseStartDate    | 4/1/2017   | 9/1/2016   |
| tblConstructionPhase | PhaseStartDate    | 4/1/2020   | 1/1/2020   |
| tblConstructionPhase | PhaseStartDate    | 11/30/2019 | 7/1/2019   |
| tblConstructionPhase | PhaseStartDate    | 7/1/2020   | 6/1/2020   |
| tblConstructionPhase | PhaseStartDate    | 4/30/2016  | 3/1/2016   |
| tblConstructionPhase | PhaseStartDate    | 11/30/2019 | 10/1/2019  |
| tblConstructionPhase | PhaseStartDate    | 7/30/2022  | 4/1/2022   |
| tblConstructionPhase | PhaseStartDate    | 5/1/2019   | 4/3/2017   |
| tblConstructionPhase | PhaseStartDate    | 11/1/2019  | 11/1/2018  |
| tblFireplaces        | FireplaceDayYear  | 25.00      | 0.00       |
| tblFireplaces        | FireplaceHourDay  | 3.00       | 0.00       |
| tblFireplaces        | FireplaceWoodMass | 1,019.20   | 0.00       |
| tblFireplaces        | NumberGas         | 663.00     | 0.00       |
| tblFireplaces        | NumberNoFireplace | 78.00      | 0.00       |
| tblFireplaces        | NumberWood        | 39.00      | 0.00       |
| tblGrading           | AcresOfGrading    | 385.00     | 2.00       |
| tblGrading           | AcresOfGrading    | 710.00     | 4.20       |
| tblGrading           | AcresOfGrading    | 165.00     | 3.10       |

|                           |                   |            |            |
|---------------------------|-------------------|------------|------------|
| tblGrading                | MaterialExported  | 0.00       | 200,000.00 |
| tblGrading                | MaterialExported  | 0.00       | 180,000.00 |
| tblGrading                | MaterialImported  | 0.00       | 68,200.00  |
| tblLandUse                | LandUseSquareFeet | 575,790.00 | 575,793.00 |
| tblLandUse                | LandUseSquareFeet | 200,000.00 | 235,000.00 |
| tblLandUse                | LandUseSquareFeet | 580,000.00 | 650,000.00 |
| tblLandUse                | LotAcreage        | 13.22      | 3.78       |
| tblLandUse                | LotAcreage        | 2.11       | 1.73       |
| tblLandUse                | LotAcreage        | 2.25       | 0.00       |
| tblLandUse                | LotAcreage        | 4.58       | 0.00       |
| tblLandUse                | LotAcreage        | 6.52       | 0.00       |
| tblLandUse                | LotAcreage        | 0.18       | 0.00       |
| tblLandUse                | LotAcreage        | 6.67       | 0.00       |
| tblLandUse                | LotAcreage        | 3.13       | 0.90       |
| tblLandUse                | LotAcreage        | 9.06       | 6.29       |
| tblLandUse                | LotAcreage        | 0.73       | 0.00       |
| tblProjectCharacteristics | OperationalYear   | 2014       | 2020       |
| tblTripsAndVMT            | VendorTripNumber  | 367.00     | 354.00     |
| tblTripsAndVMT            | VendorTripNumber  | 367.00     | 354.00     |
| tblTripsAndVMT            | VendorTripNumber  | 367.00     | 354.00     |
| tblTripsAndVMT            | WorkerTripNumber  | 1,227.00   | 1,143.00   |
| tblTripsAndVMT            | WorkerTripNumber  | 1,227.00   | 1,143.00   |
| tblTripsAndVMT            | WorkerTripNumber  | 245.00     | 229.00     |
| tblTripsAndVMT            | WorkerTripNumber  | 1,227.00   | 1,143.00   |
| tblTripsAndVMT            | WorkerTripNumber  | 245.00     | 229.00     |
| tblTripsAndVMT            | WorkerTripNumber  | 245.00     | 229.00     |
| tblVehicleEF              | HHD               | 0.03       | 0.03       |
| tblVehicleEF              | HHD               | 0.01       | 0.01       |

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| tblVehicleEF | HHD | 3.16        | 3.42        |
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| tblVehicleEF | HHD | 53.80       | 51.65       |
| tblVehicleEF | HHD | 528.22      | 527.54      |
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| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 3.93        | 3.33        |
| tblVehicleEF | HHD | 4.25        | 3.36        |
| tblVehicleEF | HHD | 3.53        | 3.38        |
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| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 0.09        | 0.09        |
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| tblVehicleEF | HHD | 8.9550e-003 | 8.5570e-003 |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 8.7160e-003 | 8.7220e-003 |
| tblVehicleEF | HHD | 0.08        | 0.08        |
| tblVehicleEF | HHD | 8.6600e-004 | 6.4000e-004 |
| tblVehicleEF | HHD | 1.4370e-003 | 1.3690e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.56        | 0.61        |
| tblVehicleEF | HHD | 1.0510e-003 | 1.0190e-003 |
| tblVehicleEF | HHD | 0.24        | 0.24        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.42        | 1.22        |
| tblVehicleEF | HHD | 5.5990e-003 | 5.5920e-003 |

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| tblVehicleEF | HHD | 0.02        | 0.02        |
| tblVehicleEF | HHD | 1.4410e-003 | 1.3960e-003 |
| tblVehicleEF | HHD | 1.4370e-003 | 1.3690e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.64        | 0.69        |
| tblVehicleEF | HHD | 1.0510e-003 | 1.0190e-003 |
| tblVehicleEF | HHD | 0.27        | 0.28        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.52        | 1.30        |
| tblVehicleEF | HHD | 0.02        | 0.03        |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 2.30        | 2.49        |
| tblVehicleEF | HHD | 1.69        | 1.70        |
| tblVehicleEF | HHD | 43.34       | 41.60       |
| tblVehicleEF | HHD | 559.60      | 558.89      |
| tblVehicleEF | HHD | 1,524.51    | 1,522.69    |
| tblVehicleEF | HHD | 49.77       | 49.32       |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 4.06        | 3.43        |
| tblVehicleEF | HHD | 4.01        | 3.17        |
| tblVehicleEF | HHD | 3.38        | 3.24        |
| tblVehicleEF | HHD | 8.2050e-003 | 7.8410e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 0.09        | 0.09        |
| tblVehicleEF | HHD | 9.6100e-004 | 6.9000e-004 |
| tblVehicleEF | HHD | 7.5490e-003 | 7.2140e-003 |
| tblVehicleEF | HHD | 0.03        | 0.03        |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 8.7160e-003 | 8.7220e-003 |
| tblVehicleEF | HHD | 0.08        | 0.08        |
| tblVehicleEF | HHD | 8.6600e-004 | 6.4000e-004 |
| tblVehicleEF | HHD | 2.3200e-003 | 2.1960e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.53        | 0.57        |
| tblVehicleEF | HHD | 1.6920e-003 | 1.6070e-003 |
| tblVehicleEF | HHD | 0.24        | 0.24        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.24        | 1.06        |
| tblVehicleEF | HHD | 5.9320e-003 | 5.9240e-003 |
| tblVehicleEF | HHD | 0.02        | 0.02        |
| tblVehicleEF | HHD | 1.2710e-003 | 1.2330e-003 |
| tblVehicleEF | HHD | 2.3200e-003 | 2.1960e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.60        | 0.65        |
| tblVehicleEF | HHD | 1.6920e-003 | 1.6070e-003 |
| tblVehicleEF | HHD | 0.27        | 0.28        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.32        | 1.14        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 4.35        | 4.71        |
| tblVehicleEF | HHD | 1.68        | 1.69        |
| tblVehicleEF | HHD | 54.58       | 52.38       |
| tblVehicleEF | HHD | 484.88      | 484.26      |
| tblVehicleEF | HHD | 1,524.51    | 1,522.69    |
| tblVehicleEF | HHD | 49.77       | 49.32       |



|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 3.76        | 3.18        |
| tblVehicleEF | HHD | 4.18        | 3.31        |
| tblVehicleEF | HHD | 3.54        | 3.40        |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 0.09        | 0.09        |
| tblVehicleEF | HHD | 9.6100e-004 | 6.9000e-004 |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 8.7160e-003 | 8.7220e-003 |
| tblVehicleEF | HHD | 0.08        | 0.08        |
| tblVehicleEF | HHD | 8.6600e-004 | 6.4000e-004 |
| tblVehicleEF | HHD | 1.4620e-003 | 1.3640e-003 |
| tblVehicleEF | HHD | 0.07        | 0.06        |
| tblVehicleEF | HHD | 0.61        | 0.66        |
| tblVehicleEF | HHD | 1.0540e-003 | 1.0120e-003 |
| tblVehicleEF | HHD | 0.24        | 0.24        |
| tblVehicleEF | HHD | 0.30        | 0.28        |
| tblVehicleEF | HHD | 1.44        | 1.23        |
| tblVehicleEF | HHD | 5.1400e-003 | 5.1330e-003 |
| tblVehicleEF | HHD | 0.02        | 0.02        |
| tblVehicleEF | HHD | 1.4540e-003 | 1.4080e-003 |
| tblVehicleEF | HHD | 1.4620e-003 | 1.3640e-003 |
| tblVehicleEF | HHD | 0.07        | 0.06        |
| tblVehicleEF | HHD | 0.69        | 0.75        |
| tblVehicleEF | HHD | 1.0540e-003 | 1.0120e-003 |

|              |     |             |             |
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| tblVehicleEF | HHD | 0.27        | 0.28        |
| tblVehicleEF | HHD | 0.30        | 0.28        |
| tblVehicleEF | HHD | 1.54        | 1.31        |
| tblVehicleEF | LDA | 9.9910e-003 | 9.4500e-003 |
| tblVehicleEF | LDA | 5.4270e-003 | 4.6120e-003 |
| tblVehicleEF | LDA | 0.77        | 0.71        |
| tblVehicleEF | LDA | 1.39        | 1.21        |
| tblVehicleEF | LDA | 248.70      | 239.34      |
| tblVehicleEF | LDA | 52.85       | 50.62       |
| tblVehicleEF | LDA | 0.51        | 0.50        |
| tblVehicleEF | LDA | 0.07        | 0.07        |
| tblVehicleEF | LDA | 0.09        | 0.07        |
| tblVehicleEF | LDA | 1.9290e-003 | 2.0080e-003 |
| tblVehicleEF | LDA | 3.3720e-003 | 3.7590e-003 |
| tblVehicleEF | LDA | 1.7880e-003 | 1.8620e-003 |
| tblVehicleEF | LDA | 3.1270e-003 | 3.4870e-003 |
| tblVehicleEF | LDA | 0.04        | 0.04        |
| tblVehicleEF | LDA | 0.10        | 0.08        |
| tblVehicleEF | LDA | 0.04        | 0.03        |
| tblVehicleEF | LDA | 0.02        | 0.01        |
| tblVehicleEF | LDA | 0.22        | 0.21        |
| tblVehicleEF | LDA | 0.10        | 0.08        |
| tblVehicleEF | LDA | 3.5970e-003 | 3.6040e-003 |
| tblVehicleEF | LDA | 7.6100e-004 | 7.5900e-004 |
| tblVehicleEF | LDA | 0.04        | 0.04        |
| tblVehicleEF | LDA | 0.10        | 0.08        |
| tblVehicleEF | LDA | 0.04        | 0.03        |
| tblVehicleEF | LDA | 0.03        | 0.02        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 0.22        | 0.21        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 9.9910e-003 | 9.4500e-003 |
| tblVehicleEF | LDA | 5.4270e-003 | 4.6120e-003 |
| tblVehicleEF | LDA | 0.86        | 0.79        |
| tblVehicleEF | LDA | 1.09        | 0.95        |
| tblVehicleEF | LDA | 261.60      | 251.82      |
| tblVehicleEF | LDA | 52.85       | 50.62       |
| tblVehicleEF | LDA | 0.51        | 0.50        |
| tblVehicleEF | LDA | 0.06        | 0.06        |
| tblVehicleEF | LDA | 0.08        | 0.07        |
| tblVehicleEF | LDA | 1.9290e-003 | 2.0080e-003 |
| tblVehicleEF | LDA | 3.3720e-003 | 3.7590e-003 |
| tblVehicleEF | LDA | 1.7880e-003 | 1.8620e-003 |
| tblVehicleEF | LDA | 3.1270e-003 | 3.4870e-003 |
| tblVehicleEF | LDA | 0.07        | 0.06        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.06        | 0.05        |
| tblVehicleEF | LDA | 0.02        | 0.01        |
| tblVehicleEF | LDA | 0.21        | 0.19        |
| tblVehicleEF | LDA | 0.08        | 0.07        |
| tblVehicleEF | LDA | 3.7860e-003 | 3.7940e-003 |
| tblVehicleEF | LDA | 7.5600e-004 | 7.5400e-004 |
| tblVehicleEF | LDA | 0.07        | 0.06        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.06        | 0.05        |
| tblVehicleEF | LDA | 0.03        | 0.03        |
| tblVehicleEF | LDA | 0.21        | 0.19        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 0.09        | 0.07        |
| tblVehicleEF | LDA | 9.9910e-003 | 9.4500e-003 |
| tblVehicleEF | LDA | 5.4270e-003 | 4.6120e-003 |
| tblVehicleEF | LDA | 0.74        | 0.68        |
| tblVehicleEF | LDA | 1.44        | 1.25        |
| tblVehicleEF | LDA | 244.71      | 235.50      |
| tblVehicleEF | LDA | 52.85       | 50.62       |
| tblVehicleEF | LDA | 0.51        | 0.50        |
| tblVehicleEF | LDA | 0.07        | 0.06        |
| tblVehicleEF | LDA | 0.09        | 0.07        |
| tblVehicleEF | LDA | 1.9290e-003 | 2.0080e-003 |
| tblVehicleEF | LDA | 3.3720e-003 | 3.7590e-003 |
| tblVehicleEF | LDA | 1.7880e-003 | 1.8620e-003 |
| tblVehicleEF | LDA | 3.1270e-003 | 3.4870e-003 |
| tblVehicleEF | LDA | 0.04        | 0.04        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.04        | 0.03        |
| tblVehicleEF | LDA | 0.02        | 0.01        |
| tblVehicleEF | LDA | 0.25        | 0.23        |
| tblVehicleEF | LDA | 0.10        | 0.08        |
| tblVehicleEF | LDA | 3.5390e-003 | 3.5450e-003 |
| tblVehicleEF | LDA | 7.6200e-004 | 7.5900e-004 |
| tblVehicleEF | LDA | 0.04        | 0.04        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.04        | 0.03        |
| tblVehicleEF | LDA | 0.03        | 0.02        |
| tblVehicleEF | LDA | 0.25        | 0.23        |
| tblVehicleEF | LDA | 0.10        | 0.09        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 0.02        | 0.02        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 2.05        | 1.76        |
| tblVehicleEF | LDT1 | 3.77        | 3.19        |
| tblVehicleEF | LDT1 | 303.51      | 294.33      |
| tblVehicleEF | LDT1 | 63.81       | 61.80       |
| tblVehicleEF | LDT1 | 0.06        | 0.06        |
| tblVehicleEF | LDT1 | 0.21        | 0.18        |
| tblVehicleEF | LDT1 | 0.22        | 0.19        |
| tblVehicleEF | LDT1 | 3.6870e-003 | 3.3980e-003 |
| tblVehicleEF | LDT1 | 4.7320e-003 | 4.6830e-003 |
| tblVehicleEF | LDT1 | 3.4190e-003 | 3.1520e-003 |
| tblVehicleEF | LDT1 | 4.3890e-003 | 4.3440e-003 |
| tblVehicleEF | LDT1 | 0.15        | 0.14        |
| tblVehicleEF | LDT1 | 0.28        | 0.26        |
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.05        | 0.04        |
| tblVehicleEF | LDT1 | 0.93        | 0.85        |
| tblVehicleEF | LDT1 | 0.28        | 0.23        |
| tblVehicleEF | LDT1 | 4.1550e-003 | 4.1640e-003 |
| tblVehicleEF | LDT1 | 9.1300e-004 | 9.0500e-004 |
| tblVehicleEF | LDT1 | 0.15        | 0.14        |
| tblVehicleEF | LDT1 | 0.28        | 0.26        |
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.07        | 0.06        |
| tblVehicleEF | LDT1 | 0.93        | 0.85        |
| tblVehicleEF | LDT1 | 0.30        | 0.25        |
| tblVehicleEF | LDT1 | 0.02        | 0.02        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 2.24        | 1.94        |
| tblVehicleEF | LDT1 | 2.97        | 2.52        |
| tblVehicleEF | LDT1 | 318.71      | 309.20      |
| tblVehicleEF | LDT1 | 63.81       | 61.80       |
| tblVehicleEF | LDT1 | 0.06        | 0.06        |
| tblVehicleEF | LDT1 | 0.18        | 0.15        |
| tblVehicleEF | LDT1 | 0.20        | 0.17        |
| tblVehicleEF | LDT1 | 3.6870e-003 | 3.3980e-003 |
| tblVehicleEF | LDT1 | 4.7320e-003 | 4.6830e-003 |
| tblVehicleEF | LDT1 | 3.4190e-003 | 3.1520e-003 |
| tblVehicleEF | LDT1 | 4.3890e-003 | 4.3440e-003 |
| tblVehicleEF | LDT1 | 0.25        | 0.23        |
| tblVehicleEF | LDT1 | 0.30        | 0.28        |
| tblVehicleEF | LDT1 | 0.18        | 0.17        |
| tblVehicleEF | LDT1 | 0.05        | 0.04        |
| tblVehicleEF | LDT1 | 0.87        | 0.80        |
| tblVehicleEF | LDT1 | 0.24        | 0.20        |
| tblVehicleEF | LDT1 | 4.3690e-003 | 4.3790e-003 |
| tblVehicleEF | LDT1 | 8.9900e-004 | 8.9400e-004 |
| tblVehicleEF | LDT1 | 0.25        | 0.23        |
| tblVehicleEF | LDT1 | 0.30        | 0.28        |
| tblVehicleEF | LDT1 | 0.18        | 0.17        |
| tblVehicleEF | LDT1 | 0.07        | 0.06        |
| tblVehicleEF | LDT1 | 0.87        | 0.80        |
| tblVehicleEF | LDT1 | 0.25        | 0.21        |
| tblVehicleEF | LDT1 | 0.02        | 0.02        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 1.98        | 1.71        |
| tblVehicleEF | LDT1 | 3.88        | 3.29        |
| tblVehicleEF | LDT1 | 299.01      | 289.93      |
| tblVehicleEF | LDT1 | 63.81       | 61.80       |
| tblVehicleEF | LDT1 | 0.06        | 0.06        |
| tblVehicleEF | LDT1 | 0.20        | 0.17        |
| tblVehicleEF | LDT1 | 0.22        | 0.19        |
| tblVehicleEF | LDT1 | 3.6870e-003 | 3.3980e-003 |
| tblVehicleEF | LDT1 | 4.7320e-003 | 4.6830e-003 |
| tblVehicleEF | LDT1 | 3.4190e-003 | 3.1520e-003 |
| tblVehicleEF | LDT1 | 4.3890e-003 | 4.3440e-003 |
| tblVehicleEF | LDT1 | 0.16        | 0.14        |
| tblVehicleEF | LDT1 | 0.31        | 0.29        |
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.05        | 0.04        |
| tblVehicleEF | LDT1 | 1.10        | 1.00        |
| tblVehicleEF | LDT1 | 0.28        | 0.24        |
| tblVehicleEF | LDT1 | 4.0920e-003 | 4.1010e-003 |
| tblVehicleEF | LDT1 | 9.1500e-004 | 9.0700e-004 |
| tblVehicleEF | LDT1 | 0.16        | 0.14        |
| tblVehicleEF | LDT1 | 0.31        | 0.29        |
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.07        | 0.06        |
| tblVehicleEF | LDT1 | 1.10        | 1.00        |
| tblVehicleEF | LDT1 | 0.30        | 0.26        |
| tblVehicleEF | LDT2 | 0.01        | 0.01        |
| tblVehicleEF | LDT2 | 7.9760e-003 | 6.6260e-003 |
| tblVehicleEF | LDT2 | 1.07        | 0.95        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 2.03        | 1.71        |
| tblVehicleEF | LDT2 | 369.06      | 359.70      |
| tblVehicleEF | LDT2 | 77.44       | 75.28       |
| tblVehicleEF | LDT2 | 0.18        | 0.18        |
| tblVehicleEF | LDT2 | 0.12        | 0.10        |
| tblVehicleEF | LDT2 | 0.18        | 0.14        |
| tblVehicleEF | LDT2 | 1.9220e-003 | 1.9830e-003 |
| tblVehicleEF | LDT2 | 3.3610e-003 | 3.7230e-003 |
| tblVehicleEF | LDT2 | 1.7830e-003 | 1.8400e-003 |
| tblVehicleEF | LDT2 | 3.1180e-003 | 3.4540e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.13        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 0.41        | 0.39        |
| tblVehicleEF | LDT2 | 0.14        | 0.12        |
| tblVehicleEF | LDT2 | 4.8850e-003 | 4.8920e-003 |
| tblVehicleEF | LDT2 | 1.0390e-003 | 1.0350e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.13        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.04        | 0.03        |
| tblVehicleEF | LDT2 | 0.41        | 0.39        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LDT2 | 0.01        | 0.01        |
| tblVehicleEF | LDT2 | 7.9760e-003 | 6.6260e-003 |
| tblVehicleEF | LDT2 | 1.19        | 1.06        |
| tblVehicleEF | LDT2 | 1.60        | 1.35        |



|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 387.84      | 378.07      |
| tblVehicleEF | LDT2 | 77.44       | 75.28       |
| tblVehicleEF | LDT2 | 0.18        | 0.18        |
| tblVehicleEF | LDT2 | 0.10        | 0.09        |
| tblVehicleEF | LDT2 | 0.16        | 0.13        |
| tblVehicleEF | LDT2 | 1.9220e-003 | 1.9830e-003 |
| tblVehicleEF | LDT2 | 3.3610e-003 | 3.7230e-003 |
| tblVehicleEF | LDT2 | 1.7830e-003 | 1.8400e-003 |
| tblVehicleEF | LDT2 | 3.1180e-003 | 3.4540e-003 |
| tblVehicleEF | LDT2 | 0.10        | 0.09        |
| tblVehicleEF | LDT2 | 0.14        | 0.13        |
| tblVehicleEF | LDT2 | 0.09        | 0.09        |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 0.39        | 0.36        |
| tblVehicleEF | LDT2 | 0.12        | 0.10        |
| tblVehicleEF | LDT2 | 5.1360e-003 | 5.1440e-003 |
| tblVehicleEF | LDT2 | 1.0320e-003 | 1.0290e-003 |
| tblVehicleEF | LDT2 | 0.10        | 0.09        |
| tblVehicleEF | LDT2 | 0.14        | 0.13        |
| tblVehicleEF | LDT2 | 0.09        | 0.09        |
| tblVehicleEF | LDT2 | 0.04        | 0.03        |
| tblVehicleEF | LDT2 | 0.39        | 0.36        |
| tblVehicleEF | LDT2 | 0.13        | 0.11        |
| tblVehicleEF | LDT2 | 0.01        | 0.01        |
| tblVehicleEF | LDT2 | 7.9760e-003 | 6.6260e-003 |
| tblVehicleEF | LDT2 | 1.03        | 0.92        |
| tblVehicleEF | LDT2 | 2.10        | 1.77        |
| tblVehicleEF | LDT2 | 363.33      | 354.11      |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 77.44       | 75.28       |
| tblVehicleEF | LDT2 | 0.18        | 0.18        |
| tblVehicleEF | LDT2 | 0.11        | 0.10        |
| tblVehicleEF | LDT2 | 0.18        | 0.14        |
| tblVehicleEF | LDT2 | 1.9220e-003 | 1.9830e-003 |
| tblVehicleEF | LDT2 | 3.3610e-003 | 3.7230e-003 |
| tblVehicleEF | LDT2 | 1.7830e-003 | 1.8400e-003 |
| tblVehicleEF | LDT2 | 3.1180e-003 | 3.4540e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 0.48        | 0.45        |
| tblVehicleEF | LDT2 | 0.14        | 0.12        |
| tblVehicleEF | LDT2 | 4.8080e-003 | 4.8150e-003 |
| tblVehicleEF | LDT2 | 1.0410e-003 | 1.0360e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.03        | 0.03        |
| tblVehicleEF | LDT2 | 0.48        | 0.45        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LHD1 | 1.2780e-003 | 1.2420e-003 |
| tblVehicleEF | LHD1 | 0.01        | 9.7370e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 0.19        | 0.18        |
| tblVehicleEF | LHD1 | 0.99        | 0.81        |
| tblVehicleEF | LHD1 | 4.05        | 3.65        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 7.70        | 7.70        |
| tblVehicleEF | LHD1 | 528.12      | 529.38      |
| tblVehicleEF | LHD1 | 41.54       | 41.72       |
| tblVehicleEF | LHD1 | 0.04        | 0.04        |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 0.98        | 0.85        |
| tblVehicleEF | LHD1 | 1.30        | 1.23        |
| tblVehicleEF | LHD1 | 4.7900e-004 | 4.7700e-004 |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 8.9560e-003 | 8.9540e-003 |
| tblVehicleEF | LHD1 | 6.6480e-003 | 6.0830e-003 |
| tblVehicleEF | LHD1 | 9.0800e-004 | 7.6100e-004 |
| tblVehicleEF | LHD1 | 4.4100e-004 | 4.3800e-004 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 6.1210e-003 | 5.6000e-003 |
| tblVehicleEF | LHD1 | 8.4000e-004 | 7.0600e-004 |
| tblVehicleEF | LHD1 | 2.6250e-003 | 2.4700e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.07        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 1.6290e-003 | 1.5850e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.06        |
| tblVehicleEF | LHD1 | 0.42        | 0.40        |
| tblVehicleEF | LHD1 | 0.37        | 0.32        |
| tblVehicleEF | LHD1 | 5.8180e-003 | 5.8290e-003 |
| tblVehicleEF | LHD1 | 5.3600e-004 | 5.3000e-004 |
| tblVehicleEF | LHD1 | 2.6250e-003 | 2.4700e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.07        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 1.6290e-003 | 1.5850e-003 |
| tblVehicleEF | LHD1 | 0.09        | 0.07        |
| tblVehicleEF | LHD1 | 0.42        | 0.40        |
| tblVehicleEF | LHD1 | 0.39        | 0.34        |
| tblVehicleEF | LHD1 | 1.2780e-003 | 1.2420e-003 |
| tblVehicleEF | LHD1 | 0.01        | 9.7370e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 0.19        | 0.18        |
| tblVehicleEF | LHD1 | 1.01        | 0.82        |
| tblVehicleEF | LHD1 | 3.28        | 2.96        |
| tblVehicleEF | LHD1 | 7.70        | 7.70        |
| tblVehicleEF | LHD1 | 528.12      | 529.38      |
| tblVehicleEF | LHD1 | 41.54       | 41.72       |
| tblVehicleEF | LHD1 | 0.04        | 0.04        |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 0.91        | 0.79        |
| tblVehicleEF | LHD1 | 1.25        | 1.19        |
| tblVehicleEF | LHD1 | 4.7900e-004 | 4.7700e-004 |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 8.9560e-003 | 8.9540e-003 |
| tblVehicleEF | LHD1 | 6.6480e-003 | 6.0830e-003 |
| tblVehicleEF | LHD1 | 9.0800e-004 | 7.6100e-004 |
| tblVehicleEF | LHD1 | 4.4100e-004 | 4.3800e-004 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 6.1210e-003 | 5.6000e-003 |
| tblVehicleEF | LHD1 | 8.4000e-004 | 7.0600e-004 |
| tblVehicleEF | LHD1 | 4.1230e-003 | 3.8730e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.07        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5230e-003 | 2.4310e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.06        |
| tblVehicleEF | LHD1 | 0.41        | 0.39        |
| tblVehicleEF | LHD1 | 0.32        | 0.28        |
| tblVehicleEF | LHD1 | 5.8180e-003 | 5.8290e-003 |
| tblVehicleEF | LHD1 | 5.2300e-004 | 5.1800e-004 |
| tblVehicleEF | LHD1 | 4.1230e-003 | 3.8730e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.07        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5230e-003 | 2.4310e-003 |
| tblVehicleEF | LHD1 | 0.09        | 0.07        |
| tblVehicleEF | LHD1 | 0.41        | 0.39        |
| tblVehicleEF | LHD1 | 0.35        | 0.30        |
| tblVehicleEF | LHD1 | 1.2780e-003 | 1.2420e-003 |
| tblVehicleEF | LHD1 | 0.01        | 9.7370e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 0.19        | 0.18        |
| tblVehicleEF | LHD1 | 0.99        | 0.81        |
| tblVehicleEF | LHD1 | 4.08        | 3.68        |
| tblVehicleEF | LHD1 | 7.70        | 7.70        |
| tblVehicleEF | LHD1 | 528.12      | 529.38      |
| tblVehicleEF | LHD1 | 41.54       | 41.72       |
| tblVehicleEF | LHD1 | 0.04        | 0.04        |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 0.96        | 0.83        |
| tblVehicleEF | LHD1 | 1.31        | 1.24        |
| tblVehicleEF | LHD1 | 4.7900e-004 | 4.7700e-004 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 8.9560e-003 | 8.9540e-003 |
| tblVehicleEF | LHD1 | 6.6480e-003 | 6.0830e-003 |
| tblVehicleEF | LHD1 | 9.0800e-004 | 7.6100e-004 |
| tblVehicleEF | LHD1 | 4.4100e-004 | 4.3800e-004 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 6.1210e-003 | 5.6000e-003 |
| tblVehicleEF | LHD1 | 8.4000e-004 | 7.0600e-004 |
| tblVehicleEF | LHD1 | 2.7730e-003 | 2.5660e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 1.6400e-003 | 1.5860e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.06        |
| tblVehicleEF | LHD1 | 0.45        | 0.44        |
| tblVehicleEF | LHD1 | 0.37        | 0.32        |
| tblVehicleEF | LHD1 | 5.8180e-003 | 5.8290e-003 |
| tblVehicleEF | LHD1 | 5.3600e-004 | 5.3100e-004 |
| tblVehicleEF | LHD1 | 2.7730e-003 | 2.5660e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 1.6400e-003 | 1.5860e-003 |
| tblVehicleEF | LHD1 | 0.09        | 0.07        |
| tblVehicleEF | LHD1 | 0.45        | 0.44        |
| tblVehicleEF | LHD1 | 0.39        | 0.34        |
| tblVehicleEF | LHD2 | 1.0000e-003 | 9.7700e-004 |
| tblVehicleEF | LHD2 | 7.6760e-003 | 6.5600e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 0.15        | 0.15        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.65        | 0.55        |
| tblVehicleEF | LHD2 | 2.34        | 2.09        |
| tblVehicleEF | LHD2 | 8.48        | 8.48        |
| tblVehicleEF | LHD2 | 509.57      | 510.07      |
| tblVehicleEF | LHD2 | 28.34       | 28.48       |
| tblVehicleEF | LHD2 | 6.7260e-003 | 6.8350e-003 |
| tblVehicleEF | LHD2 | 0.10        | 0.10        |
| tblVehicleEF | LHD2 | 1.56        | 1.33        |
| tblVehicleEF | LHD2 | 0.86        | 0.80        |
| tblVehicleEF | LHD2 | 1.0450e-003 | 1.0370e-003 |
| tblVehicleEF | LHD2 | 0.06        | 0.06        |
| tblVehicleEF | LHD2 | 9.9790e-003 | 9.9800e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.7300e-004 | 3.7700e-004 |
| tblVehicleEF | LHD2 | 9.6200e-004 | 9.5400e-004 |
| tblVehicleEF | LHD2 | 0.03        | 0.03        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.3800e-004 | 3.5000e-004 |
| tblVehicleEF | LHD2 | 1.4630e-003 | 1.3330e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 9.5100e-004 | 9.0900e-004 |
| tblVehicleEF | LHD2 | 0.07        | 0.06        |
| tblVehicleEF | LHD2 | 0.24        | 0.22        |
| tblVehicleEF | LHD2 | 0.22        | 0.18        |
| tblVehicleEF | LHD2 | 5.5450e-003 | 5.5490e-003 |
| tblVehicleEF | LHD2 | 3.5800e-004 | 3.5500e-004 |
| tblVehicleEF | LHD2 | 1.4630e-003 | 1.3330e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.04        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 9.5100e-004 | 9.0900e-004 |
| tblVehicleEF | LHD2 | 0.08        | 0.07        |
| tblVehicleEF | LHD2 | 0.24        | 0.22        |
| tblVehicleEF | LHD2 | 0.23        | 0.20        |
| tblVehicleEF | LHD2 | 1.0000e-003 | 9.7700e-004 |
| tblVehicleEF | LHD2 | 7.6760e-003 | 6.5600e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 0.15        | 0.15        |
| tblVehicleEF | LHD2 | 0.66        | 0.56        |
| tblVehicleEF | LHD2 | 1.90        | 1.70        |
| tblVehicleEF | LHD2 | 8.48        | 8.48        |
| tblVehicleEF | LHD2 | 509.57      | 510.07      |
| tblVehicleEF | LHD2 | 28.34       | 28.48       |
| tblVehicleEF | LHD2 | 6.7260e-003 | 6.8350e-003 |
| tblVehicleEF | LHD2 | 0.10        | 0.10        |
| tblVehicleEF | LHD2 | 1.47        | 1.25        |
| tblVehicleEF | LHD2 | 0.82        | 0.77        |
| tblVehicleEF | LHD2 | 1.0450e-003 | 1.0370e-003 |
| tblVehicleEF | LHD2 | 0.06        | 0.06        |
| tblVehicleEF | LHD2 | 9.9790e-003 | 9.9800e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.7300e-004 | 3.7700e-004 |
| tblVehicleEF | LHD2 | 9.6200e-004 | 9.5400e-004 |
| tblVehicleEF | LHD2 | 0.03        | 0.03        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.3800e-004 | 3.5000e-004 |



|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 2.2700e-003 | 2.0650e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 1.4440e-003 | 1.3650e-003 |
| tblVehicleEF | LHD2 | 0.07        | 0.06        |
| tblVehicleEF | LHD2 | 0.23        | 0.21        |
| tblVehicleEF | LHD2 | 0.19        | 0.16        |
| tblVehicleEF | LHD2 | 5.5450e-003 | 5.5490e-003 |
| tblVehicleEF | LHD2 | 3.5000e-004 | 3.4800e-004 |
| tblVehicleEF | LHD2 | 2.2700e-003 | 2.0650e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 1.4440e-003 | 1.3650e-003 |
| tblVehicleEF | LHD2 | 0.08        | 0.07        |
| tblVehicleEF | LHD2 | 0.23        | 0.21        |
| tblVehicleEF | LHD2 | 0.21        | 0.18        |
| tblVehicleEF | LHD2 | 1.0000e-003 | 9.7700e-004 |
| tblVehicleEF | LHD2 | 7.6760e-003 | 6.5600e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 0.15        | 0.15        |
| tblVehicleEF | LHD2 | 0.65        | 0.55        |
| tblVehicleEF | LHD2 | 2.37        | 2.12        |
| tblVehicleEF | LHD2 | 8.48        | 8.48        |
| tblVehicleEF | LHD2 | 509.57      | 510.07      |
| tblVehicleEF | LHD2 | 28.34       | 28.48       |
| tblVehicleEF | LHD2 | 6.7260e-003 | 6.8350e-003 |
| tblVehicleEF | LHD2 | 0.10        | 0.10        |
| tblVehicleEF | LHD2 | 1.53        | 1.30        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.86        | 0.81        |
| tblVehicleEF | LHD2 | 1.0450e-003 | 1.0370e-003 |
| tblVehicleEF | LHD2 | 0.06        | 0.06        |
| tblVehicleEF | LHD2 | 9.9790e-003 | 9.9800e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.7300e-004 | 3.7700e-004 |
| tblVehicleEF | LHD2 | 9.6200e-004 | 9.5400e-004 |
| tblVehicleEF | LHD2 | 0.03        | 0.03        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.3800e-004 | 3.5000e-004 |
| tblVehicleEF | LHD2 | 1.5110e-003 | 1.3460e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 9.4300e-004 | 8.9500e-004 |
| tblVehicleEF | LHD2 | 0.07        | 0.06        |
| tblVehicleEF | LHD2 | 0.26        | 0.24        |
| tblVehicleEF | LHD2 | 0.22        | 0.19        |
| tblVehicleEF | LHD2 | 5.5450e-003 | 5.5490e-003 |
| tblVehicleEF | LHD2 | 3.5800e-004 | 3.5500e-004 |
| tblVehicleEF | LHD2 | 1.5110e-003 | 1.3460e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 9.4300e-004 | 8.9500e-004 |
| tblVehicleEF | LHD2 | 0.08        | 0.07        |
| tblVehicleEF | LHD2 | 0.26        | 0.24        |
| tblVehicleEF | LHD2 | 0.23        | 0.20        |
| tblVehicleEF | MCY  | 20.61       | 20.09       |
| tblVehicleEF | MCY  | 10.01       | 10.06       |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 141.43      | 142.62      |
| tblVehicleEF | MCY | 38.50       | 37.84       |
| tblVehicleEF | MCY | 4.4000e-003 | 4.3080e-003 |
| tblVehicleEF | MCY | 1.16        | 1.15        |
| tblVehicleEF | MCY | 0.31        | 0.31        |
| tblVehicleEF | MCY | 3.1500e-004 | 2.7700e-004 |
| tblVehicleEF | MCY | 9.6300e-004 | 8.3500e-004 |
| tblVehicleEF | MCY | 2.6400e-004 | 2.3600e-004 |
| tblVehicleEF | MCY | 8.0000e-004 | 7.0500e-004 |
| tblVehicleEF | MCY | 0.98        | 0.98        |
| tblVehicleEF | MCY | 0.41        | 0.41        |
| tblVehicleEF | MCY | 0.55        | 0.55        |
| tblVehicleEF | MCY | 2.39        | 2.37        |
| tblVehicleEF | MCY | 1.24        | 1.19        |
| tblVehicleEF | MCY | 2.06        | 2.05        |
| tblVehicleEF | MCY | 1.9700e-003 | 1.9740e-003 |
| tblVehicleEF | MCY | 6.5000e-004 | 6.4300e-004 |
| tblVehicleEF | MCY | 0.98        | 0.98        |
| tblVehicleEF | MCY | 0.41        | 0.41        |
| tblVehicleEF | MCY | 0.55        | 0.55        |
| tblVehicleEF | MCY | 2.62        | 2.60        |
| tblVehicleEF | MCY | 1.24        | 1.19        |
| tblVehicleEF | MCY | 2.21        | 2.20        |
| tblVehicleEF | MCY | 19.99       | 19.50       |
| tblVehicleEF | MCY | 8.80        | 8.82        |
| tblVehicleEF | MCY | 141.43      | 142.62      |
| tblVehicleEF | MCY | 38.50       | 37.84       |
| tblVehicleEF | MCY | 4.4000e-003 | 4.3080e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 1.01        | 1.01        |
| tblVehicleEF | MCY | 0.29        | 0.29        |
| tblVehicleEF | MCY | 3.1500e-004 | 2.7700e-004 |
| tblVehicleEF | MCY | 9.6300e-004 | 8.3500e-004 |
| tblVehicleEF | MCY | 2.6400e-004 | 2.3600e-004 |
| tblVehicleEF | MCY | 8.0000e-004 | 7.0500e-004 |
| tblVehicleEF | MCY | 1.66        | 1.67        |
| tblVehicleEF | MCY | 0.51        | 0.51        |
| tblVehicleEF | MCY | 1.05        | 1.05        |
| tblVehicleEF | MCY | 2.33        | 2.31        |
| tblVehicleEF | MCY | 1.16        | 1.11        |
| tblVehicleEF | MCY | 1.81        | 1.80        |
| tblVehicleEF | MCY | 1.9590e-003 | 1.9640e-003 |
| tblVehicleEF | MCY | 6.2300e-004 | 6.1600e-004 |
| tblVehicleEF | MCY | 1.66        | 1.67        |
| tblVehicleEF | MCY | 0.51        | 0.51        |
| tblVehicleEF | MCY | 1.05        | 1.05        |
| tblVehicleEF | MCY | 2.56        | 2.55        |
| tblVehicleEF | MCY | 1.16        | 1.11        |
| tblVehicleEF | MCY | 1.95        | 1.93        |
| tblVehicleEF | MCY | 20.49       | 19.97       |
| tblVehicleEF | MCY | 10.06       | 10.12       |
| tblVehicleEF | MCY | 141.43      | 142.62      |
| tblVehicleEF | MCY | 38.50       | 37.84       |
| tblVehicleEF | MCY | 4.4000e-003 | 4.3080e-003 |
| tblVehicleEF | MCY | 1.13        | 1.12        |
| tblVehicleEF | MCY | 0.31        | 0.31        |
| tblVehicleEF | MCY | 3.1500e-004 | 2.7700e-004 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 9.6300e-004 | 8.3500e-004 |
| tblVehicleEF | MCY | 2.6400e-004 | 2.3600e-004 |
| tblVehicleEF | MCY | 8.0000e-004 | 7.0500e-004 |
| tblVehicleEF | MCY | 1.10        | 1.10        |
| tblVehicleEF | MCY | 0.54        | 0.54        |
| tblVehicleEF | MCY | 0.54        | 0.54        |
| tblVehicleEF | MCY | 2.39        | 2.37        |
| tblVehicleEF | MCY | 1.48        | 1.43        |
| tblVehicleEF | MCY | 2.08        | 2.06        |
| tblVehicleEF | MCY | 1.9680e-003 | 1.9730e-003 |
| tblVehicleEF | MCY | 6.5100e-004 | 6.4400e-004 |
| tblVehicleEF | MCY | 1.10        | 1.10        |
| tblVehicleEF | MCY | 0.54        | 0.54        |
| tblVehicleEF | MCY | 0.54        | 0.54        |
| tblVehicleEF | MCY | 2.62        | 2.60        |
| tblVehicleEF | MCY | 1.48        | 1.43        |
| tblVehicleEF | MCY | 2.23        | 2.21        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 1.78        | 1.52        |
| tblVehicleEF | MDV | 3.77        | 3.26        |
| tblVehicleEF | MDV | 488.73      | 477.62      |
| tblVehicleEF | MDV | 102.89      | 100.49      |
| tblVehicleEF | MDV | 0.14        | 0.14        |
| tblVehicleEF | MDV | 0.22        | 0.18        |
| tblVehicleEF | MDV | 0.35        | 0.30        |
| tblVehicleEF | MDV | 2.1720e-003 | 2.1510e-003 |
| tblVehicleEF | MDV | 3.5290e-003 | 3.7110e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 2.0090e-003 | 1.9940e-003 |
| tblVehicleEF | MDV | 3.2670e-003 | 3.4420e-003 |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.20        | 0.20        |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.60        | 0.59        |
| tblVehicleEF | MDV | 0.32        | 0.27        |
| tblVehicleEF | MDV | 6.2060e-003 | 6.2200e-003 |
| tblVehicleEF | MDV | 1.3410e-003 | 1.3350e-003 |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.20        | 0.20        |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.07        | 0.06        |
| tblVehicleEF | MDV | 0.60        | 0.59        |
| tblVehicleEF | MDV | 0.34        | 0.29        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 1.96        | 1.69        |
| tblVehicleEF | MDV | 2.97        | 2.56        |
| tblVehicleEF | MDV | 514.18      | 502.64      |
| tblVehicleEF | MDV | 102.89      | 100.49      |
| tblVehicleEF | MDV | 0.14        | 0.14        |
| tblVehicleEF | MDV | 0.19        | 0.16        |
| tblVehicleEF | MDV | 0.33        | 0.28        |
| tblVehicleEF | MDV | 2.1720e-003 | 2.1510e-003 |
| tblVehicleEF | MDV | 3.5290e-003 | 3.7110e-003 |
| tblVehicleEF | MDV | 2.0090e-003 | 1.9940e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 3.2670e-003 | 3.4420e-003 |
| tblVehicleEF | MDV | 0.15        | 0.14        |
| tblVehicleEF | MDV | 0.21        | 0.21        |
| tblVehicleEF | MDV | 0.13        | 0.13        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.57        | 0.56        |
| tblVehicleEF | MDV | 0.27        | 0.23        |
| tblVehicleEF | MDV | 6.5340e-003 | 6.5500e-003 |
| tblVehicleEF | MDV | 1.3270e-003 | 1.3220e-003 |
| tblVehicleEF | MDV | 0.15        | 0.14        |
| tblVehicleEF | MDV | 0.21        | 0.21        |
| tblVehicleEF | MDV | 0.13        | 0.13        |
| tblVehicleEF | MDV | 0.07        | 0.06        |
| tblVehicleEF | MDV | 0.57        | 0.56        |
| tblVehicleEF | MDV | 0.29        | 0.24        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 1.72        | 1.46        |
| tblVehicleEF | MDV | 3.88        | 3.37        |
| tblVehicleEF | MDV | 481.27      | 470.30      |
| tblVehicleEF | MDV | 102.89      | 100.49      |
| tblVehicleEF | MDV | 0.14        | 0.14        |
| tblVehicleEF | MDV | 0.21        | 0.18        |
| tblVehicleEF | MDV | 0.36        | 0.30        |
| tblVehicleEF | MDV | 2.1720e-003 | 2.1510e-003 |
| tblVehicleEF | MDV | 3.5290e-003 | 3.7110e-003 |
| tblVehicleEF | MDV | 2.0090e-003 | 1.9940e-003 |
| tblVehicleEF | MDV | 3.2670e-003 | 3.4420e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.09        | 0.08        |
| tblVehicleEF | MDV | 0.22        | 0.21        |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.04        | 0.04        |
| tblVehicleEF | MDV | 0.70        | 0.68        |
| tblVehicleEF | MDV | 0.32        | 0.27        |
| tblVehicleEF | MDV | 6.1110e-003 | 6.1240e-003 |
| tblVehicleEF | MDV | 1.3430e-003 | 1.3360e-003 |
| tblVehicleEF | MDV | 0.09        | 0.08        |
| tblVehicleEF | MDV | 0.22        | 0.21        |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.07        | 0.06        |
| tblVehicleEF | MDV | 0.70        | 0.68        |
| tblVehicleEF | MDV | 0.34        | 0.29        |
| tblVehicleEF | MH  | 1.60        | 1.00        |
| tblVehicleEF | MH  | 6.03        | 5.23        |
| tblVehicleEF | MH  | 602.71      | 604.56      |
| tblVehicleEF | MH  | 27.93       | 27.82       |
| tblVehicleEF | MH  | 2.1590e-003 | 2.2880e-003 |
| tblVehicleEF | MH  | 1.25        | 1.08        |
| tblVehicleEF | MH  | 0.68        | 0.62        |
| tblVehicleEF | MH  | 0.05        | 0.05        |
| tblVehicleEF | MH  | 8.5800e-003 | 8.5810e-003 |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 6.4900e-004 | 4.6700e-004 |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 5.9600e-004 | 4.3400e-004 |



|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.95        | 0.79        |
| tblVehicleEF | MH | 0.06        | 0.05        |
| tblVehicleEF | MH | 0.39        | 0.34        |
| tblVehicleEF | MH | 0.06        | 0.05        |
| tblVehicleEF | MH | 1.59        | 1.32        |
| tblVehicleEF | MH | 0.34        | 0.29        |
| tblVehicleEF | MH | 6.6390e-003 | 6.6500e-003 |
| tblVehicleEF | MH | 4.1500e-004 | 4.0000e-004 |
| tblVehicleEF | MH | 0.95        | 0.79        |
| tblVehicleEF | MH | 0.06        | 0.05        |
| tblVehicleEF | MH | 0.39        | 0.34        |
| tblVehicleEF | MH | 0.08        | 0.06        |
| tblVehicleEF | MH | 1.59        | 1.32        |
| tblVehicleEF | MH | 0.36        | 0.30        |
| tblVehicleEF | MH | 1.64        | 1.03        |
| tblVehicleEF | MH | 4.81        | 4.19        |
| tblVehicleEF | MH | 602.71      | 604.56      |
| tblVehicleEF | MH | 27.93       | 27.82       |
| tblVehicleEF | MH | 2.1590e-003 | 2.2880e-003 |
| tblVehicleEF | MH | 1.15        | 1.00        |
| tblVehicleEF | MH | 0.66        | 0.60        |
| tblVehicleEF | MH | 0.05        | 0.05        |
| tblVehicleEF | MH | 8.5800e-003 | 8.5810e-003 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 6.4900e-004 | 4.6700e-004 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 5.9600e-004 | 4.3400e-004 |

|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 1.47        | 1.22        |
| tblVehicleEF | MH | 0.07        | 0.05        |
| tblVehicleEF | MH | 0.61        | 0.53        |
| tblVehicleEF | MH | 0.06        | 0.05        |
| tblVehicleEF | MH | 1.56        | 1.29        |
| tblVehicleEF | MH | 0.29        | 0.25        |
| tblVehicleEF | MH | 6.6400e-003 | 6.6500e-003 |
| tblVehicleEF | MH | 3.9500e-004 | 3.8200e-004 |
| tblVehicleEF | MH | 1.47        | 1.22        |
| tblVehicleEF | MH | 0.07        | 0.05        |
| tblVehicleEF | MH | 0.61        | 0.53        |
| tblVehicleEF | MH | 0.08        | 0.06        |
| tblVehicleEF | MH | 1.56        | 1.29        |
| tblVehicleEF | MH | 0.31        | 0.27        |
| tblVehicleEF | MH | 1.59        | 1.00        |
| tblVehicleEF | MH | 6.06        | 5.25        |
| tblVehicleEF | MH | 602.71      | 604.56      |
| tblVehicleEF | MH | 27.93       | 27.82       |
| tblVehicleEF | MH | 2.1590e-003 | 2.2880e-003 |
| tblVehicleEF | MH | 1.22        | 1.06        |
| tblVehicleEF | MH | 0.69        | 0.62        |
| tblVehicleEF | MH | 0.05        | 0.05        |
| tblVehicleEF | MH | 8.5800e-003 | 8.5810e-003 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 6.4900e-004 | 4.6700e-004 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 5.9600e-004 | 4.3400e-004 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MH  | 1.07        | 0.87        |
| tblVehicleEF | MH  | 0.08        | 0.06        |
| tblVehicleEF | MH  | 0.41        | 0.35        |
| tblVehicleEF | MH  | 0.06        | 0.05        |
| tblVehicleEF | MH  | 1.68        | 1.40        |
| tblVehicleEF | MH  | 0.34        | 0.29        |
| tblVehicleEF | MH  | 6.6390e-003 | 6.6500e-003 |
| tblVehicleEF | MH  | 4.1600e-004 | 4.0000e-004 |
| tblVehicleEF | MH  | 1.07        | 0.87        |
| tblVehicleEF | MH  | 0.08        | 0.06        |
| tblVehicleEF | MH  | 0.41        | 0.35        |
| tblVehicleEF | MH  | 0.08        | 0.06        |
| tblVehicleEF | MH  | 1.68        | 1.40        |
| tblVehicleEF | MH  | 0.36        | 0.31        |
| tblVehicleEF | MHD | 7.4570e-003 | 8.1650e-003 |
| tblVehicleEF | MHD | 3.5450e-003 | 3.3250e-003 |
| tblVehicleEF | MHD | 1.89        | 2.07        |
| tblVehicleEF | MHD | 0.68        | 0.56        |
| tblVehicleEF | MHD | 14.44       | 12.47       |
| tblVehicleEF | MHD | 572.02      | 572.08      |
| tblVehicleEF | MHD | 914.53      | 913.05      |
| tblVehicleEF | MHD | 49.60       | 49.32       |
| tblVehicleEF | MHD | 0.02        | 0.02        |
| tblVehicleEF | MHD | 4.69        | 3.42        |
| tblVehicleEF | MHD | 1.64        | 1.04        |
| tblVehicleEF | MHD | 1.62        | 1.43        |
| tblVehicleEF | MHD | 0.01        | 7.9640e-003 |
| tblVehicleEF | MHD | 0.11        | 0.11        |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.3970e-003 | 1.0860e-003 |
| tblVehicleEF | MHD | 0.01        | 7.3270e-003 |
| tblVehicleEF | MHD | 0.05        | 0.05        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.2800e-003 | 1.0070e-003 |
| tblVehicleEF | MHD | 2.3690e-003 | 2.1250e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.16        | 0.18        |
| tblVehicleEF | MHD | 1.5020e-003 | 1.4000e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.42        | 0.40        |
| tblVehicleEF | MHD | 0.86        | 0.73        |
| tblVehicleEF | MHD | 9.7500e-003 | 9.7330e-003 |
| tblVehicleEF | MHD | 8.0400e-004 | 7.6600e-004 |
| tblVehicleEF | MHD | 2.3690e-003 | 2.1250e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.18        | 0.20        |
| tblVehicleEF | MHD | 1.5020e-003 | 1.4000e-003 |
| tblVehicleEF | MHD | 0.11        | 0.10        |
| tblVehicleEF | MHD | 0.42        | 0.40        |
| tblVehicleEF | MHD | 0.92        | 0.78        |
| tblVehicleEF | MHD | 7.0270e-003 | 7.6940e-003 |
| tblVehicleEF | MHD | 3.5450e-003 | 3.3250e-003 |
| tblVehicleEF | MHD | 1.37        | 1.51        |
| tblVehicleEF | MHD | 0.69        | 0.57        |
| tblVehicleEF | MHD | 11.64       | 10.06       |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 606.00      | 606.07      |
| tblVehicleEF | MHD | 914.53      | 913.05      |
| tblVehicleEF | MHD | 49.60       | 49.32       |
| tblVehicleEF | MHD | 0.02        | 0.02        |
| tblVehicleEF | MHD | 4.84        | 3.53        |
| tblVehicleEF | MHD | 1.54        | 0.97        |
| tblVehicleEF | MHD | 1.56        | 1.37        |
| tblVehicleEF | MHD | 9.3480e-003 | 6.7140e-003 |
| tblVehicleEF | MHD | 0.11        | 0.11        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.3970e-003 | 1.0860e-003 |
| tblVehicleEF | MHD | 8.6000e-003 | 6.1770e-003 |
| tblVehicleEF | MHD | 0.05        | 0.05        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.2800e-003 | 1.0070e-003 |
| tblVehicleEF | MHD | 3.6600e-003 | 3.2710e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.15        | 0.17        |
| tblVehicleEF | MHD | 2.2910e-003 | 2.1040e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.41        | 0.39        |
| tblVehicleEF | MHD | 0.76        | 0.65        |
| tblVehicleEF | MHD | 6.4240e-003 | 6.4250e-003 |
| tblVehicleEF | MHD | 9.7500e-003 | 9.7330e-003 |
| tblVehicleEF | MHD | 7.5700e-004 | 7.2500e-004 |
| tblVehicleEF | MHD | 3.6600e-003 | 3.2710e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.17        | 0.19        |
| tblVehicleEF | MHD | 2.2910e-003 | 2.1040e-003 |
| tblVehicleEF | MHD | 0.11        | 0.10        |
| tblVehicleEF | MHD | 0.41        | 0.39        |
| tblVehicleEF | MHD | 0.81        | 0.69        |
| tblVehicleEF | MHD | 8.0500e-003 | 8.8140e-003 |
| tblVehicleEF | MHD | 3.5450e-003 | 3.3250e-003 |
| tblVehicleEF | MHD | 2.60        | 2.85        |
| tblVehicleEF | MHD | 0.68        | 0.56        |
| tblVehicleEF | MHD | 14.78       | 12.76       |
| tblVehicleEF | MHD | 525.09      | 525.15      |
| tblVehicleEF | MHD | 914.53      | 913.05      |
| tblVehicleEF | MHD | 49.60       | 49.32       |
| tblVehicleEF | MHD | 0.02        | 0.02        |
| tblVehicleEF | MHD | 4.48        | 3.27        |
| tblVehicleEF | MHD | 1.60        | 1.02        |
| tblVehicleEF | MHD | 1.63        | 1.44        |
| tblVehicleEF | MHD | 0.01        | 9.6910e-003 |
| tblVehicleEF | MHD | 0.11        | 0.11        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.3970e-003 | 1.0860e-003 |
| tblVehicleEF | MHD | 0.01        | 8.9150e-003 |
| tblVehicleEF | MHD | 0.05        | 0.05        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.2800e-003 | 1.0070e-003 |
| tblVehicleEF | MHD | 2.5250e-003 | 2.2210e-003 |
| tblVehicleEF | MHD | 0.10        | 0.09        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | MHD  | 0.17        | 0.19        |
| tblVehicleEF | MHD  | 1.5230e-003 | 1.4060e-003 |
| tblVehicleEF | MHD  | 0.09        | 0.08        |
| tblVehicleEF | MHD  | 0.46        | 0.44        |
| tblVehicleEF | MHD  | 0.88        | 0.74        |
| tblVehicleEF | MHD  | 5.5660e-003 | 5.5670e-003 |
| tblVehicleEF | MHD  | 9.7500e-003 | 9.7330e-003 |
| tblVehicleEF | MHD  | 8.1000e-004 | 7.7100e-004 |
| tblVehicleEF | MHD  | 2.5250e-003 | 2.2210e-003 |
| tblVehicleEF | MHD  | 0.10        | 0.09        |
| tblVehicleEF | MHD  | 0.20        | 0.22        |
| tblVehicleEF | MHD  | 1.5230e-003 | 1.4060e-003 |
| tblVehicleEF | MHD  | 0.11        | 0.10        |
| tblVehicleEF | MHD  | 0.46        | 0.44        |
| tblVehicleEF | MHD  | 0.94        | 0.79        |
| tblVehicleEF | OBUS | 0.02        | 0.03        |
| tblVehicleEF | OBUS | 2.7960e-003 | 2.9670e-003 |
| tblVehicleEF | OBUS | 2.74        | 3.30        |
| tblVehicleEF | OBUS | 0.97        | 0.86        |
| tblVehicleEF | OBUS | 8.80        | 7.92        |
| tblVehicleEF | OBUS | 534.88      | 533.47      |
| tblVehicleEF | OBUS | 1,017.03    | 1,018.77    |
| tblVehicleEF | OBUS | 32.78       | 32.73       |
| tblVehicleEF | OBUS | 1.9410e-003 | 1.9660e-003 |
| tblVehicleEF | OBUS | 4.65        | 3.20        |
| tblVehicleEF | OBUS | 2.28        | 1.27        |
| tblVehicleEF | OBUS | 1.24        | 1.12        |
| tblVehicleEF | OBUS | 9.5470e-003 | 8.7920e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.10        | 0.10        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.7800e-004 | 4.9700e-004 |
| tblVehicleEF | OBUS | 8.7830e-003 | 8.0890e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 2.6450e-003 | 2.6520e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.3400e-004 | 4.6100e-004 |
| tblVehicleEF | OBUS | 9.6600e-004 | 9.5100e-004 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.47        | 0.56        |
| tblVehicleEF | OBUS | 5.3100e-004 | 5.3300e-004 |
| tblVehicleEF | OBUS | 0.12        | 0.12        |
| tblVehicleEF | OBUS | 0.33        | 0.33        |
| tblVehicleEF | OBUS | 0.54        | 0.48        |
| tblVehicleEF | OBUS | 5.6700e-003 | 5.6550e-003 |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 5.1900e-004 | 5.0200e-004 |
| tblVehicleEF | OBUS | 9.6600e-004 | 9.5100e-004 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.53        | 0.64        |
| tblVehicleEF | OBUS | 5.3100e-004 | 5.3300e-004 |
| tblVehicleEF | OBUS | 0.14        | 0.13        |
| tblVehicleEF | OBUS | 0.33        | 0.33        |
| tblVehicleEF | OBUS | 0.58        | 0.51        |
| tblVehicleEF | OBUS | 0.02        | 0.02        |
| tblVehicleEF | OBUS | 2.7960e-003 | 2.9670e-003 |



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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 1.99        | 2.40        |
| tblVehicleEF | OBUS | 0.98        | 0.86        |
| tblVehicleEF | OBUS | 7.12        | 6.40        |
| tblVehicleEF | OBUS | 566.66      | 565.16      |
| tblVehicleEF | OBUS | 1,017.03    | 1,018.77    |
| tblVehicleEF | OBUS | 32.78       | 32.73       |
| tblVehicleEF | OBUS | 1.9410e-003 | 1.9660e-003 |
| tblVehicleEF | OBUS | 4.79        | 3.30        |
| tblVehicleEF | OBUS | 2.14        | 1.19        |
| tblVehicleEF | OBUS | 1.19        | 1.08        |
| tblVehicleEF | OBUS | 8.0480e-003 | 7.4120e-003 |
| tblVehicleEF | OBUS | 0.10        | 0.10        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.7800e-004 | 4.9700e-004 |
| tblVehicleEF | OBUS | 7.4040e-003 | 6.8190e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 2.6450e-003 | 2.6520e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.3400e-004 | 4.6100e-004 |
| tblVehicleEF | OBUS | 1.4470e-003 | 1.4230e-003 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.44        | 0.53        |
| tblVehicleEF | OBUS | 7.8300e-004 | 7.8100e-004 |
| tblVehicleEF | OBUS | 0.12        | 0.12        |
| tblVehicleEF | OBUS | 0.32        | 0.32        |
| tblVehicleEF | OBUS | 0.48        | 0.42        |
| tblVehicleEF | OBUS | 6.0070e-003 | 5.9910e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 4.9000e-004 | 4.7700e-004 |
| tblVehicleEF | OBUS | 1.4470e-003 | 1.4230e-003 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.50        | 0.60        |
| tblVehicleEF | OBUS | 7.8300e-004 | 7.8100e-004 |
| tblVehicleEF | OBUS | 0.14        | 0.13        |
| tblVehicleEF | OBUS | 0.32        | 0.32        |
| tblVehicleEF | OBUS | 0.51        | 0.45        |
| tblVehicleEF | OBUS | 0.02        | 0.03        |
| tblVehicleEF | OBUS | 2.7960e-003 | 2.9670e-003 |
| tblVehicleEF | OBUS | 3.78        | 4.55        |
| tblVehicleEF | OBUS | 0.97        | 0.85        |
| tblVehicleEF | OBUS | 8.99        | 8.09        |
| tblVehicleEF | OBUS | 491.00      | 489.70      |
| tblVehicleEF | OBUS | 1,017.03    | 1,018.77    |
| tblVehicleEF | OBUS | 32.78       | 32.73       |
| tblVehicleEF | OBUS | 1.9410e-003 | 1.9660e-003 |
| tblVehicleEF | OBUS | 4.44        | 3.06        |
| tblVehicleEF | OBUS | 2.24        | 1.25        |
| tblVehicleEF | OBUS | 1.25        | 1.13        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 0.10        | 0.10        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.7800e-004 | 4.9700e-004 |
| tblVehicleEF | OBUS | 0.01        | 9.8420e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 2.6450e-003 | 2.6520e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.3400e-004 | 4.6100e-004 |
| tblVehicleEF | OBUS | 9.8600e-004 | 9.5600e-004 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.50        | 0.60        |
| tblVehicleEF | OBUS | 0.12        | 0.12        |
| tblVehicleEF | OBUS | 0.35        | 0.35        |
| tblVehicleEF | OBUS | 0.55        | 0.49        |
| tblVehicleEF | OBUS | 5.2050e-003 | 5.1910e-003 |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 5.2200e-004 | 5.0500e-004 |
| tblVehicleEF | OBUS | 9.8600e-004 | 9.5600e-004 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.57        | 0.69        |
| tblVehicleEF | OBUS | 0.14        | 0.13        |
| tblVehicleEF | OBUS | 0.35        | 0.35        |
| tblVehicleEF | OBUS | 0.58        | 0.52        |
| tblVehicleEF | SBUS | 4.4530e-003 | 4.6460e-003 |
| tblVehicleEF | SBUS | 5.5860e-003 | 5.8530e-003 |
| tblVehicleEF | SBUS | 1.05        | 1.12        |
| tblVehicleEF | SBUS | 2.96        | 2.66        |
| tblVehicleEF | SBUS | 27.16       | 24.72       |
| tblVehicleEF | SBUS | 547.00      | 552.46      |
| tblVehicleEF | SBUS | 1,037.25    | 1,032.35    |
| tblVehicleEF | SBUS | 115.53      | 115.30      |
| tblVehicleEF | SBUS | 5.7400e-004 | 5.6800e-004 |
| tblVehicleEF | SBUS | 7.58        | 7.35        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 7.03        | 6.65        |
| tblVehicleEF | SBUS | 2.02        | 1.89        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.56        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.05        | 0.04        |
| tblVehicleEF | SBUS | 3.6960e-003 | 3.2240e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.24        | 0.24        |
| tblVehicleEF | SBUS | 2.7470e-003 | 2.7410e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.04        |
| tblVehicleEF | SBUS | 3.4060e-003 | 2.9910e-003 |
| tblVehicleEF | SBUS | 0.03        | 0.03        |
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.10        | 0.10        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.30        | 0.28        |
| tblVehicleEF | SBUS | 1.95        | 1.92        |
| tblVehicleEF | SBUS | 1.66        | 1.48        |
| tblVehicleEF | SBUS | 5.7980e-003 | 5.8560e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 1.7600e-003 | 1.7140e-003 |
| tblVehicleEF | SBUS | 0.03        | 0.03        |
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.11        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.33        | 0.31        |
| tblVehicleEF | SBUS | 1.95        | 1.92        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 1.77        | 1.59        |
| tblVehicleEF | SBUS | 4.1970e-003 | 4.3790e-003 |
| tblVehicleEF | SBUS | 5.5860e-003 | 5.8530e-003 |
| tblVehicleEF | SBUS | 0.76        | 0.82        |
| tblVehicleEF | SBUS | 3.03        | 2.73        |
| tblVehicleEF | SBUS | 23.01       | 20.96       |
| tblVehicleEF | SBUS | 579.49      | 585.28      |
| tblVehicleEF | SBUS | 1,037.25    | 1,032.35    |
| tblVehicleEF | SBUS | 115.53      | 115.30      |
| tblVehicleEF | SBUS | 5.7400e-004 | 5.6800e-004 |
| tblVehicleEF | SBUS | 7.82        | 7.58        |
| tblVehicleEF | SBUS | 6.62        | 6.25        |
| tblVehicleEF | SBUS | 1.91        | 1.78        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.56        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.05        | 0.04        |
| tblVehicleEF | SBUS | 3.6960e-003 | 3.2240e-003 |
| tblVehicleEF | SBUS | 0.01        | 9.4430e-003 |
| tblVehicleEF | SBUS | 0.24        | 0.24        |
| tblVehicleEF | SBUS | 2.7470e-003 | 2.7410e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.04        |
| tblVehicleEF | SBUS | 3.4060e-003 | 2.9910e-003 |
| tblVehicleEF | SBUS | 0.05        | 0.05        |
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.09        | 0.09        |
| tblVehicleEF | SBUS | 0.02        | 0.02        |
| tblVehicleEF | SBUS | 0.30        | 0.29        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 1.79        | 1.77        |
| tblVehicleEF | SBUS | 1.49        | 1.33        |
| tblVehicleEF | SBUS | 6.1430e-003 | 6.2040e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 1.6900e-003 | 1.6500e-003 |
| tblVehicleEF | SBUS | 0.05        | 0.05        |
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.10        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 0.02        |
| tblVehicleEF | SBUS | 0.34        | 0.32        |
| tblVehicleEF | SBUS | 1.79        | 1.77        |
| tblVehicleEF | SBUS | 1.59        | 1.42        |
| tblVehicleEF | SBUS | 4.8080e-003 | 5.0160e-003 |
| tblVehicleEF | SBUS | 5.5860e-003 | 5.8530e-003 |
| tblVehicleEF | SBUS | 1.45        | 1.55        |
| tblVehicleEF | SBUS | 2.94        | 2.64        |
| tblVehicleEF | SBUS | 27.94       | 25.44       |
| tblVehicleEF | SBUS | 502.12      | 507.13      |
| tblVehicleEF | SBUS | 1,037.25    | 1,032.35    |
| tblVehicleEF | SBUS | 115.53      | 115.30      |
| tblVehicleEF | SBUS | 5.7400e-004 | 5.6800e-004 |
| tblVehicleEF | SBUS | 7.24        | 7.02        |
| tblVehicleEF | SBUS | 6.92        | 6.54        |
| tblVehicleEF | SBUS | 2.04        | 1.91        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.56        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.05        | 0.04        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 3.6960e-003 | 3.2240e-003 |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.24        | 0.24        |
| tblVehicleEF | SBUS | 2.7470e-003 | 2.7410e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.04        |
| tblVehicleEF | SBUS | 3.4060e-003 | 2.9910e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.03        |
| tblVehicleEF | SBUS | 0.25        | 0.24        |
| tblVehicleEF | SBUS | 0.10        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.29        | 0.28        |
| tblVehicleEF | SBUS | 2.30        | 2.26        |
| tblVehicleEF | SBUS | 1.69        | 1.52        |
| tblVehicleEF | SBUS | 5.3230e-003 | 5.3760e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 1.7730e-003 | 1.7260e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.03        |
| tblVehicleEF | SBUS | 0.25        | 0.24        |
| tblVehicleEF | SBUS | 0.12        | 0.12        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.33        | 0.31        |
| tblVehicleEF | SBUS | 2.30        | 2.26        |
| tblVehicleEF | SBUS | 1.81        | 1.62        |
| tblVehicleEF | UBUS | 4.38        | 4.22        |
| tblVehicleEF | UBUS | 9.86        | 9.55        |
| tblVehicleEF | UBUS | 1,917.54    | 1,907.03    |
| tblVehicleEF | UBUS | 27.32       | 27.40       |
| tblVehicleEF | UBUS | 2.4830e-003 | 2.5030e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 10.91       | 10.49       |
| tblVehicleEF | UBUS | 1.17        | 1.15        |
| tblVehicleEF | UBUS | 0.68        | 0.68        |
| tblVehicleEF | UBUS | 0.18        | 0.17        |
| tblVehicleEF | UBUS | 6.0900e-004 | 5.8900e-004 |
| tblVehicleEF | UBUS | 0.29        | 0.29        |
| tblVehicleEF | UBUS | 0.16        | 0.16        |
| tblVehicleEF | UBUS | 5.6400e-004 | 5.4700e-004 |
| tblVehicleEF | UBUS | 5.4570e-003 | 5.3760e-003 |
| tblVehicleEF | UBUS | 0.09        | 0.09        |
| tblVehicleEF | UBUS | 3.0100e-003 | 2.9670e-003 |
| tblVehicleEF | UBUS | 0.72        | 0.70        |
| tblVehicleEF | UBUS | 0.78        | 0.83        |
| tblVehicleEF | UBUS | 0.73        | 0.71        |
| tblVehicleEF | UBUS | 0.02        | 0.02        |
| tblVehicleEF | UBUS | 4.8100e-004 | 4.7600e-004 |
| tblVehicleEF | UBUS | 5.4570e-003 | 5.3760e-003 |
| tblVehicleEF | UBUS | 0.09        | 0.09        |
| tblVehicleEF | UBUS | 3.0100e-003 | 2.9670e-003 |
| tblVehicleEF | UBUS | 0.80        | 0.78        |
| tblVehicleEF | UBUS | 0.78        | 0.83        |
| tblVehicleEF | UBUS | 0.78        | 0.76        |
| tblVehicleEF | UBUS | 4.44        | 4.28        |
| tblVehicleEF | UBUS | 8.28        | 8.02        |
| tblVehicleEF | UBUS | 1,917.54    | 1,907.03    |
| tblVehicleEF | UBUS | 27.32       | 27.40       |
| tblVehicleEF | UBUS | 2.4830e-003 | 2.5030e-003 |
| tblVehicleEF | UBUS | 10.28       | 9.88        |



|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 1.12        | 1.10        |
| tblVehicleEF | UBUS | 0.68        | 0.68        |
| tblVehicleEF | UBUS | 0.18        | 0.17        |
| tblVehicleEF | UBUS | 6.0900e-004 | 5.8900e-004 |
| tblVehicleEF | UBUS | 0.29        | 0.29        |
| tblVehicleEF | UBUS | 0.16        | 0.16        |
| tblVehicleEF | UBUS | 5.6400e-004 | 5.4700e-004 |
| tblVehicleEF | UBUS | 8.0610e-003 | 7.9260e-003 |
| tblVehicleEF | UBUS | 0.10        | 0.09        |
| tblVehicleEF | UBUS | 4.5490e-003 | 4.4570e-003 |
| tblVehicleEF | UBUS | 0.73        | 0.71        |
| tblVehicleEF | UBUS | 0.73        | 0.77        |
| tblVehicleEF | UBUS | 0.65        | 0.64        |
| tblVehicleEF | UBUS | 0.02        | 0.02        |
| tblVehicleEF | UBUS | 4.5400e-004 | 4.5000e-004 |
| tblVehicleEF | UBUS | 8.0610e-003 | 7.9260e-003 |
| tblVehicleEF | UBUS | 0.10        | 0.09        |
| tblVehicleEF | UBUS | 4.5490e-003 | 4.4570e-003 |
| tblVehicleEF | UBUS | 0.81        | 0.79        |
| tblVehicleEF | UBUS | 0.73        | 0.77        |
| tblVehicleEF | UBUS | 0.70        | 0.68        |
| tblVehicleEF | UBUS | 4.37        | 4.21        |
| tblVehicleEF | UBUS | 9.99        | 9.68        |
| tblVehicleEF | UBUS | 1,917.54    | 1,907.03    |
| tblVehicleEF | UBUS | 27.32       | 27.40       |
| tblVehicleEF | UBUS | 2.4830e-003 | 2.5030e-003 |
| tblVehicleEF | UBUS | 10.70       | 10.29       |
| tblVehicleEF | UBUS | 1.18        | 1.15        |

|                 |                 |             |             |
|-----------------|-----------------|-------------|-------------|
| tblVehicleEF    | UBUS            | 0.68        | 0.68        |
| tblVehicleEF    | UBUS            | 0.18        | 0.17        |
| tblVehicleEF    | UBUS            | 6.0900e-004 | 5.8900e-004 |
| tblVehicleEF    | UBUS            | 0.29        | 0.29        |
| tblVehicleEF    | UBUS            | 0.16        | 0.16        |
| tblVehicleEF    | UBUS            | 5.6400e-004 | 5.4700e-004 |
| tblVehicleEF    | UBUS            | 6.2690e-003 | 6.1660e-003 |
| tblVehicleEF    | UBUS            | 0.12        | 0.11        |
| tblVehicleEF    | UBUS            | 3.2440e-003 | 3.1950e-003 |
| tblVehicleEF    | UBUS            | 0.72        | 0.70        |
| tblVehicleEF    | UBUS            | 0.92        | 0.97        |
| tblVehicleEF    | UBUS            | 0.73        | 0.72        |
| tblVehicleEF    | UBUS            | 0.02        | 0.02        |
| tblVehicleEF    | UBUS            | 4.8300e-004 | 4.7900e-004 |
| tblVehicleEF    | UBUS            | 6.2690e-003 | 6.1660e-003 |
| tblVehicleEF    | UBUS            | 0.12        | 0.11        |
| tblVehicleEF    | UBUS            | 3.2440e-003 | 3.1950e-003 |
| tblVehicleEF    | UBUS            | 0.80        | 0.77        |
| tblVehicleEF    | UBUS            | 0.92        | 0.97        |
| tblVehicleEF    | UBUS            | 0.78        | 0.77        |
| tblVehicleTrips | ST_TR           | 1.59        | 35.00       |
| tblVehicleTrips | SU_TR           | 1.59        | 35.00       |
| tblVehicleTrips | WD_TR           | 1.59        | 35.00       |
| tblVehicleTrips | WD_TR           | 6.59        | 5.88        |
| tblVehicleTrips | WD_TR           | 27.92       | 10.64       |
| tblVehicleTrips | WD_TR           | 56.24       | 38.41       |
| tblVehicleTrips | WD_TR           | 42.94       | 101.19      |
| tblWoodstoves   | NumberCatalytic | 39.00       | 0.00        |

|               |                    |        |      |
|---------------|--------------------|--------|------|
| tblWoodstoves | NumberNoncatalytic | 39.00  | 0.00 |
| tblWoodstoves | WoodstoveDayYear   | 25.00  | 0.00 |
| tblWoodstoves | WoodstoveWoodMass  | 999.60 | 0.00 |

## 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        |                          |                          |                |               |                          |
| 2016         | 19.5093         | 163.8386        | 197.2309               | 0.3777        | 23.0128         | 6.5144         | 29.5272         | 7.8547         | 6.0314         | 13.8861        | 0.0000        | 35,587.17<br>67          | 35,587.17<br>67          | 3.4059         | 0.0000        | 35,658.70<br>05          |
| 2017         | 38.0558         | 151.1470        | 184.8872               | 0.3774        | 26.2319         | 5.9721         | 32.2040         | 8.6450         | 5.5287         | 14.1737        | 0.0000        | 34,737.13<br>30          | 34,737.13<br>30          | 3.3355         | 0.0000        | 34,807.17<br>77          |
| 2018         | 46.8248         | 75.0855         | 140.1807               | 0.3122        | 17.7166         | 3.1320         | 20.8486         | 4.7419         | 2.9241         | 7.6660         | 0.0000        | 26,864.49<br>25          | 26,864.49<br>25          | 2.1439         | 0.0000        | 26,909.51<br>48          |
| 2019         | 47.6767         | 136.5386        | 173.4646               | 0.4129        | 23.6533         | 5.6484         | 28.4622         | 8.0279         | 5.2254         | 12.4788        | 0.0000        | 36,587.85<br>35          | 36,587.85<br>35          | 3.9613         | 0.0000        | 36,671.04<br>01          |
| 2020         | 15.1353         | 126.7817        | 173.0115               | 0.4369        | 24.2259         | 4.4851         | 28.7110         | 8.1871         | 4.1497         | 12.3367        | 0.0000        | 37,858.26<br>49          | 37,858.26<br>49          | 3.2299         | 0.0000        | 37,926.09<br>28          |
| 2021         | 65.9505         | 41.8321         | 107.3338               | 0.2874        | 17.5493         | 1.5040         | 19.0533         | 4.6976         | 1.4115         | 6.1091         | 0.0000        | 22,789.58<br>39          | 22,789.58<br>39          | 1.2934         | 0.0000        | 22,816.74<br>49          |
| 2022         | 65.4848         | 37.9452         | 103.0679               | 0.2873        | 17.5493         | 1.3387         | 18.8880         | 4.6976         | 1.2559         | 5.9535         | 0.0000        | 22,570.15<br>67          | 22,570.15<br>67          | 1.2636         | 0.0000        | 22,596.69<br>32          |
| <b>Total</b> | <b>298.6370</b> | <b>733.1687</b> | <b>1,079.176<br/>6</b> | <b>2.4917</b> | <b>149.9391</b> | <b>28.5946</b> | <b>177.6943</b> | <b>46.8519</b> | <b>26.5264</b> | <b>72.6038</b> | <b>0.0000</b> | <b>216,994.6<br/>612</b> | <b>216,994.6<br/>612</b> | <b>18.6335</b> | <b>0.0000</b> | <b>217,385.9<br/>640</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         | 64.8879         | 0.7490          | 64.8110         | 3.4200e-003   |                 | 0.3559        | 0.3559          |                | 0.3559        | 0.3559         | 0.0000        | 116.3950            | 116.3950            | 0.1144        | 0.0000        | 118.7972            |
| Energy       | 0.8404          | 7.4592          | 5.0899          | 0.0458        |                 | 0.5807        | 0.5807          |                | 0.5807        | 0.5807         |               | 9,168.3897          | 9,168.3897          | 0.1757        | 0.1681        | 9,224.1869          |
| Mobile       | 58.5172         | 137.4439        | 589.8664        | 1.8868        | 131.0810        | 2.5774        | 133.6584        | 35.0295        | 2.3777        | 37.4072        |               | 143,001.9016        | 143,001.9016        | 4.8759        |               | 143,104.2958        |
| <b>Total</b> | <b>124.2455</b> | <b>145.6522</b> | <b>659.7673</b> | <b>1.9361</b> | <b>131.0810</b> | <b>3.5139</b> | <b>134.5949</b> | <b>35.0295</b> | <b>3.3143</b> | <b>38.3438</b> | <b>0.0000</b> | <b>152,286.6863</b> | <b>152,286.6863</b> | <b>5.1660</b> | <b>0.1681</b> | <b>152,447.2799</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         | 56.8760         | 0.6697          | 56.9957         | 2.8200e-003   |                | 0.3101        | 0.3101         |                | 0.3101        | 0.3101         | 0.0000        | 98.8792             | 98.8792             | 0.0869        | 0.0000        | 100.7050            |
| Energy       | 0.7056          | 6.2626          | 4.2717          | 0.0385        |                | 0.4875        | 0.4875         |                | 0.4875        | 0.4875         |               | 7,697.8178          | 7,697.8178          | 0.1475        | 0.1411        | 7,744.6655          |
| Mobile       | 53.1204         | 99.4005         | 459.8599        | 1.2697        | 86.8310        | 1.7747        | 88.6057        | 23.2043        | 1.6375        | 24.8418        |               | 96,203.0437         | 96,203.0437         | 3.3728        |               | 96,273.8724         |
| <b>Total</b> | <b>110.7020</b> | <b>106.3328</b> | <b>521.1272</b> | <b>1.3110</b> | <b>86.8310</b> | <b>2.5724</b> | <b>89.4033</b> | <b>23.2043</b> | <b>2.4351</b> | <b>25.6395</b> | <b>0.0000</b> | <b>103,999.7407</b> | <b>103,999.7407</b> | <b>3.6073</b> | <b>0.1411</b> | <b>104,119.2428</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 | 10.90 | 27.00 | 21.01 | 32.29 | 33.76         | 26.79        | 33.58      | 33.76          | 26.53         | 33.13       | 0.00     | 31.71    | 31.71     | 30.17 | 16.04 | 31.70 |

### 3.0 Construction Detail

#### Construction Phase

| Phase Number | Phase Name                        | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Phase One: Demolition             | Demolition            | 1/1/2016   | 4/29/2016  | 5             | 86       |                   |
| 2            | Phase One: Grading                | Grading               | 3/1/2016   | 3/31/2017  | 5             | 284      |                   |
| 3            | Phase One: Building Construction  | Building Construction | 9/1/2016   | 4/30/2019  | 5             | 694      |                   |
| 4            | Phase Two: Paving                 | Paving                | 4/3/2017   | 12/29/2017 | 5             | 195      |                   |
| 5            | Phase Two: Architectural Coating  | Architectural Coating | 5/1/2017   | 10/31/2017 | 5             | 132      |                   |
| 6            | Phase One: Architectural Coating  | Architectural Coating | 7/2/2018   | 10/31/2019 | 5             | 349      |                   |
| 7            | Phase One: Paving                 | Paving                | 11/1/2018  | 11/29/2019 | 5             | 282      |                   |
| 8            | Phase Three: Demolition           | Demolition            | 7/1/2019   | 11/29/2019 | 5             | 110      |                   |
| 9            | Phase Three: Grading              | Grading               | 10/1/2019  | 12/31/2019 | 5             | 66       |                   |
| 10           | Phase Three: Construction         | Building Construction | 12/2/2019  | 3/31/2020  | 5             | 87       |                   |
| 11           | Phase Four: Demolition            | Demolition            | 1/1/2020   | 6/30/2020  | 5             | 130      |                   |
| 12           | Phase Four: Grading               | Grading               | 6/1/2020   | 12/31/2020 | 5             | 154      |                   |
| 13           | Phase Four: Construction          | Building Construction | 11/2/2020  | 2/28/2022  | 5             | 346      |                   |
| 14           | Phase Four: Architectural Coating | Architectural Coating | 9/1/2021   | 7/29/2022  | 5             | 238      |                   |
| 15           | Phase Four: Paving                | Paving                | 4/1/2022   | 7/29/2022  | 5             | 86       |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

**Residential Indoor: 475,875; Residential Outdoor: 158,625; Non-Residential Indoor: 150,000; Non-Residential Outdoor: 50,000 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name                       | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|----------------------------------|---------------------------|--------|-------------|-------------|-------------|
| Phase One:Demolition             | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Phase One:Demolition             | Excavators                | 3      | 8.00        | 162         | 0.38        |
| Phase One:Demolition             | Rubber Tired Dozers       | 2      | 8.00        | 255         | 0.40        |
| Phase One: Grading               | Excavators                | 2      | 8.00        | 162         | 0.38        |
| Phase One: Grading               | Graders                   | 1      | 8.00        | 174         | 0.41        |
| Phase One: Grading               | Rubber Tired Dozers       | 1      | 8.00        | 255         | 0.40        |
| Phase One: Grading               | Scrapers                  | 2      | 8.00        | 361         | 0.48        |
| Phase One: Grading               | Tractors/Loaders/Backhoes | 2      | 8.00        | 97          | 0.37        |
| Phase One:Building Construction  | Cranes                    | 1      | 7.00        | 226         | 0.29        |
| Phase One:Building Construction  | Forklifts                 | 3      | 8.00        | 89          | 0.20        |
| Phase One:Building Construction  | Generator Sets            | 1      | 8.00        | 84          | 0.74        |
| Phase One:Building Construction  | Tractors/Loaders/Backhoes | 3      | 7.00        | 97          | 0.37        |
| Phase One:Building Construction  | Welders                   | 1      | 8.00        | 46          | 0.45        |
| Phase Two: Paving                | Pavers                    | 2      | 8.00        | 125         | 0.42        |
| Phase Two: Paving                | Paving Equipment          | 2      | 8.00        | 130         | 0.36        |
| Phase Two: Paving                | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Phase Two: Architectural Coating | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Phase One:Architectural Coating  | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Phase One:Paving                 | Pavers                    | 2      | 8.00        | 125         | 0.42        |
| Phase One:Paving                 | Paving Equipment          | 2      | 8.00        | 130         | 0.36        |
| Phase One:Paving                 | Rollers                   | 2      | 8.00        | 80          | 0.38        |
| Phase Three: Demolition          | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Phase Three: Demolition          | Excavators                | 3      | 8.00        | 162         | 0.38        |
| Phase Three: Demolition          | Rubber Tired Dozers       | 2      | 8.00        | 255         | 0.40        |

|                                   |                           |   |      |     |      |
|-----------------------------------|---------------------------|---|------|-----|------|
| Phase Three: Grading              | Excavators                | 2 | 8.00 | 162 | 0.38 |
| Phase Three: Grading              | Graders                   | 1 | 8.00 | 174 | 0.41 |
| Phase Three: Grading              | Rubber Tired Dozers       | 1 | 8.00 | 255 | 0.40 |
| Phase Three: Grading              | Scrapers                  | 2 | 8.00 | 361 | 0.48 |
| Phase Three: Grading              | Tractors/Loaders/Backhoes | 2 | 8.00 | 97  | 0.37 |
| Phase Three: Construction         | Cranes                    | 1 | 7.00 | 226 | 0.29 |
| Phase Three: Construction         | Forklifts                 | 3 | 8.00 | 89  | 0.20 |
| Phase Three: Construction         | Generator Sets            | 1 | 8.00 | 84  | 0.74 |
| Phase Three: Construction         | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Phase Three: Construction         | Welders                   | 1 | 8.00 | 46  | 0.45 |
| Phase Four: Demolition            | Concrete/Industrial Saws  | 1 | 8.00 | 81  | 0.73 |
| Phase Four: Demolition            | Excavators                | 3 | 8.00 | 162 | 0.38 |
| Phase Four: Demolition            | Rubber Tired Dozers       | 2 | 8.00 | 255 | 0.40 |
| Phase Four: Grading               | Excavators                | 2 | 8.00 | 162 | 0.38 |
| Phase Four: Grading               | Graders                   | 1 | 8.00 | 174 | 0.41 |
| Phase Four: Grading               | Rubber Tired Dozers       | 1 | 8.00 | 255 | 0.40 |
| Phase Four: Grading               | Scrapers                  | 2 | 8.00 | 361 | 0.48 |
| Phase Four: Grading               | Tractors/Loaders/Backhoes | 2 | 8.00 | 97  | 0.37 |
| Phase Four: Construction          | Cranes                    | 1 | 7.00 | 226 | 0.29 |
| Phase Four: Construction          | Forklifts                 | 3 | 8.00 | 89  | 0.20 |
| Phase Four: Construction          | Generator Sets            | 1 | 8.00 | 84  | 0.74 |
| Phase Four: Construction          | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Phase Four: Construction          | Welders                   | 1 | 8.00 | 46  | 0.45 |
| Phase Four: Architectural Coating | Air Compressors           | 1 | 6.00 | 78  | 0.48 |
| Phase Four: Paving                | Pavers                    | 2 | 8.00 | 125 | 0.42 |
| Phase Four: Paving                | Paving Equipment          | 2 | 8.00 | 130 | 0.36 |
| Phase Four: Paving                | Rollers                   | 2 | 8.00 | 80  | 0.38 |



**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 |
|-----------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Phase One:Demolition              | 6                       | 15.00              | 0.00               | 1,892.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One: Grading                | 8                       | 20.00              | 0.00               | 22,500.00           | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One:Building Construction   | 9                       | 1,143.00           | 354.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Two: Paving                 | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Two: Architectural Coating  | 1                       | 229.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One:Architectural Coating   | 1                       | 229.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One:Paving                  | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Three: Demolition           | 6                       | 15.00              | 0.00               | 628.00              | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Three: Grading              | 8                       | 20.00              | 0.00               | 8,525.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Three: Construction         | 9                       | 1,143.00           | 354.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four:Demolition             | 6                       | 15.00              | 0.00               | 1,287.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Grading               | 8                       | 20.00              | 0.00               | 25,000.00           | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Construction          | 9                       | 1,143.00           | 354.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Architectural Coating | 1                       | 229.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Paving                | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

Use Cleaner Engines for Construction Equipment

Use DPF for Construction Equipment

Water Exposed Area

Clean Paved Roads

**3.2 Phase One:Demolition - 2016**

**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 |               |                |                |               | 4.7615        | 0.0000        | 4.7615        | 0.7209         | 0.0000        | 0.7209        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 4.2876        | 45.6559        | 35.0303        | 0.0399        |               | 2.2921        | 2.2921        |                | 2.1365        | 2.1365        |          | 4,089.284<br>1         | 4,089.284<br>1         | 1.1121        |     | 4,112.637<br>4         |
| <b>Total</b>  | <b>4.2876</b> | <b>45.6559</b> | <b>35.0303</b> | <b>0.0399</b> | <b>4.7615</b> | <b>2.2921</b> | <b>7.0537</b> | <b>0.7209</b>  | <b>2.1365</b> | <b>2.8575</b> |          | <b>4,089.284<br/>1</b> | <b>4,089.284<br/>1</b> | <b>1.1121</b> |     | <b>4,112.637<br/>4</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      | 0.3976        | 6.2495        | 4.8898        | 0.0162        | 0.3833        | 0.0960        | 0.4793        | 0.1050         | 0.0883        | 0.1932        |          | 1,631.046<br>4         | 1,631.046<br>4         | 0.0118        |     | 1,631.293<br>6         |
| 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       | 0.0640        | 0.0860        | 0.8984        | 1.9900e-003   | 0.1677        | 1.4000e-003   | 0.1691        | 0.0445         | 1.2900e-003   | 0.0458        |          | 167.3573               | 167.3573               | 9.1500e-003   |     | 167.5495               |
| <b>Total</b> | <b>0.4616</b> | <b>6.3355</b> | <b>5.7881</b> | <b>0.0182</b> | <b>0.5510</b> | <b>0.0974</b> | <b>0.6484</b> | <b>0.1494</b>  | <b>0.0896</b> | <b>0.2390</b> |          | <b>1,798.403<br/>7</b> | <b>1,798.403<br/>7</b> | <b>0.0209</b> |     | <b>1,798.843<br/>2</b> |

**3.2 Phase One:Demolition - 2016**

**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 |               |               |                |               | 2.1427        | 0.0000             | 2.1427        | 0.3244         | 0.0000             | 0.3244        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.4739        | 2.0535        | 23.8257        | 0.0399        |               | 9.4800e-003        | 9.4800e-003   |                | 9.4800e-003        | 9.4800e-003   | 0.0000        | 4,089.2841        | 4,089.2841        | 1.1121        |     | 4,112.6374        |
| <b>Total</b>  | <b>0.4739</b> | <b>2.0535</b> | <b>23.8257</b> | <b>0.0399</b> | <b>2.1427</b> | <b>9.4800e-003</b> | <b>2.1522</b> | <b>0.3244</b>  | <b>9.4800e-003</b> | <b>0.3339</b> | <b>0.0000</b> | <b>4,089.2841</b> | <b>4,089.2841</b> | <b>1.1121</b> |     | <b>4,112.6374</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      | 0.3976        | 6.2495        | 4.8898        | 0.0162        | 0.3833        | 0.0960        | 0.4793        | 0.1050         | 0.0883        | 0.1932        |          | 1,631.0464        | 1,631.0464        | 0.0118        |     | 1,631.2936        |
| 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       | 0.0640        | 0.0860        | 0.8984        | 1.9900e-003   | 0.1677        | 1.4000e-003   | 0.1691        | 0.0445         | 1.2900e-003   | 0.0458        |          | 167.3573          | 167.3573          | 9.1500e-003   |     | 167.5495          |
| <b>Total</b> | <b>0.4616</b> | <b>6.3355</b> | <b>5.7881</b> | <b>0.0182</b> | <b>0.5510</b> | <b>0.0974</b> | <b>0.6484</b> | <b>0.1494</b>  | <b>0.0896</b> | <b>0.2390</b> |          | <b>1,798.4037</b> | <b>1,798.4037</b> | <b>0.0209</b> |     | <b>1,798.8432</b> |

**3.3 Phase One: Grading - 2016**

**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 |               |                |                |               | 6.1095        | 0.0000        | 6.1095        | 3.3228         | 0.0000        | 3.3228        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 6.4795        | 74.8137        | 49.1374        | 0.0617        |               | 3.5842        | 3.5842        |                | 3.2975        | 3.2975        |          | 6,414.9807        | 6,414.9807        | 1.9350        |     | 6,455.6154        |
| <b>Total</b>  | <b>6.4795</b> | <b>74.8137</b> | <b>49.1374</b> | <b>0.0617</b> | <b>6.1095</b> | <b>3.5842</b> | <b>9.6937</b> | <b>3.3228</b>  | <b>3.2975</b> | <b>6.6203</b> |          | <b>6,414.9807</b> | <b>6,414.9807</b> | <b>1.9350</b> |     | <b>6,455.6154</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      | 1.4317        | 22.5054        | 17.6088        | 0.0583        | 1.6913        | 0.3456        | 2.0369        | 0.4543         | 0.3179        | 0.7722        |          | 5,873.6466        | 5,873.6466        | 0.0424        |     | 5,874.5369        |
| 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       | 0.0853        | 0.1147         | 1.1978         | 2.6500e-003   | 0.2236        | 1.8700e-003   | 0.2254        | 0.0593         | 1.7200e-003   | 0.0610        |          | 223.1431          | 223.1431          | 0.0122        |     | 223.3994          |
| <b>Total</b> | <b>1.5170</b> | <b>22.6200</b> | <b>18.8066</b> | <b>0.0610</b> | <b>1.9149</b> | <b>0.3474</b> | <b>2.2623</b> | <b>0.5136</b>  | <b>0.3196</b> | <b>0.8332</b> |          | <b>6,096.7896</b> | <b>6,096.7896</b> | <b>0.0546</b> |     | <b>6,097.9363</b> |

**3.3 Phase One: Grading - 2016**

**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 |               |               |                |               | 2.7493        | 0.0000        | 2.7493        | 1.4953         | 0.0000        | 1.4953        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.7564        | 3.2778        | 34.7787        | 0.0617        |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        | 0.0000        | 6,414.9807        | 6,414.9807        | 1.9350        |     | 6,455.6154        |
| <b>Total</b>  | <b>0.7564</b> | <b>3.2778</b> | <b>34.7787</b> | <b>0.0617</b> | <b>2.7493</b> | <b>0.0151</b> | <b>2.7644</b> | <b>1.4953</b>  | <b>0.0151</b> | <b>1.5104</b> | <b>0.0000</b> | <b>6,414.9807</b> | <b>6,414.9807</b> | <b>1.9350</b> |     | <b>6,455.6154</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      | 1.4317        | 22.5054        | 17.6088        | 0.0583        | 1.6913        | 0.3456        | 2.0369        | 0.4543         | 0.3179        | 0.7722        |          | 5,873.6466        | 5,873.6466        | 0.0424        |     | 5,874.5369        |
| 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       | 0.0853        | 0.1147         | 1.1978         | 2.6500e-003   | 0.2236        | 1.8700e-003   | 0.2254        | 0.0593         | 1.7200e-003   | 0.0610        |          | 223.1431          | 223.1431          | 0.0122        |     | 223.3994          |
| <b>Total</b> | <b>1.5170</b> | <b>22.6200</b> | <b>18.8066</b> | <b>0.0610</b> | <b>1.9149</b> | <b>0.3474</b> | <b>2.2623</b> | <b>0.5136</b>  | <b>0.3196</b> | <b>0.8332</b> |          | <b>6,096.7896</b> | <b>6,096.7896</b> | <b>0.0546</b> |     | <b>6,097.9363</b> |

**3.3 Phase One: Grading - 2017**

**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 |               |                |                |               | 6.1095        | 0.0000        | 6.1095        | 3.3228         | 0.0000        | 3.3228        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 6.0991        | 69.5920        | 46.8050        | 0.0617        |               | 3.3172        | 3.3172        |                | 3.0518        | 3.0518        |          | 6,313.3690        | 6,313.3690        | 1.9344        |     | 6,353.9915        |
| <b>Total</b>  | <b>6.0991</b> | <b>69.5920</b> | <b>46.8050</b> | <b>0.0617</b> | <b>6.1095</b> | <b>3.3172</b> | <b>9.4266</b> | <b>3.3228</b>  | <b>3.0518</b> | <b>6.3746</b> |          | <b>6,313.3690</b> | <b>6,313.3690</b> | <b>1.9344</b> |     | <b>6,353.9915</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      | 1.3474        | 20.6264        | 16.9960        | 0.0582        | 4.9098        | 0.3158        | 5.2255        | 1.2443         | 0.2905        | 1.5348        |          | 5,777.2137        | 5,777.2137        | 0.0415        |     | 5,778.0859        |
| 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       | 0.0765        | 0.1035         | 1.0796         | 2.6500e-003   | 0.2236        | 1.8000e-003   | 0.2254        | 0.0593         | 1.6600e-003   | 0.0610        |          | 214.5722          | 214.5722          | 0.0113        |     | 214.8087          |
| <b>Total</b> | <b>1.4239</b> | <b>20.7299</b> | <b>18.0756</b> | <b>0.0609</b> | <b>5.1333</b> | <b>0.3176</b> | <b>5.4509</b> | <b>1.3036</b>  | <b>0.2921</b> | <b>1.5958</b> |          | <b>5,991.7859</b> | <b>5,991.7859</b> | <b>0.0528</b> |     | <b>5,992.8946</b> |

**3.3 Phase One: Grading - 2017**

**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 |               |               |                |               | 2.7493        | 0.0000        | 2.7493        | 1.4953         | 0.0000        | 1.4953        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.7564        | 3.2778        | 34.7787        | 0.0617        |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        | 0.0000        | 6,313.3690        | 6,313.3690        | 1.9344        |     | 6,353.9915        |
| <b>Total</b>  | <b>0.7564</b> | <b>3.2778</b> | <b>34.7787</b> | <b>0.0617</b> | <b>2.7493</b> | <b>0.0151</b> | <b>2.7644</b> | <b>1.4953</b>  | <b>0.0151</b> | <b>1.5104</b> | <b>0.0000</b> | <b>6,313.3690</b> | <b>6,313.3690</b> | <b>1.9344</b> |     | <b>6,353.9915</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      | 1.3474        | 20.6264        | 16.9960        | 0.0582        | 4.9098        | 0.3158        | 5.2255        | 1.2443         | 0.2905        | 1.5348        |          | 5,777.2137        | 5,777.2137        | 0.0415        |     | 5,778.0859        |
| 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       | 0.0765        | 0.1035         | 1.0796         | 2.6500e-003   | 0.2236        | 1.8000e-003   | 0.2254        | 0.0593         | 1.6600e-003   | 0.0610        |          | 214.5722          | 214.5722          | 0.0113        |     | 214.8087          |
| <b>Total</b> | <b>1.4239</b> | <b>20.7299</b> | <b>18.0756</b> | <b>0.0609</b> | <b>5.1333</b> | <b>0.3176</b> | <b>5.4509</b> | <b>1.3036</b>  | <b>0.2921</b> | <b>1.5958</b> |          | <b>5,991.7859</b> | <b>5,991.7859</b> | <b>0.0528</b> |     | <b>5,992.8946</b> |

### 3.4 Phase One: Building Construction - 2016

#### 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     | 3.4062        | 28.5063        | 18.5066        | 0.0268        |               | 1.9674        | 1.9674        |                | 1.8485        | 1.8485        |          | 2,669.2864        | 2,669.2864        | 0.6620        |     | 2,683.1890        |
| <b>Total</b> | <b>3.4062</b> | <b>28.5063</b> | <b>18.5066</b> | <b>0.0268</b> |               | <b>1.9674</b> | <b>1.9674</b> |                | <b>1.8485</b> | <b>1.8485</b> |          | <b>2,669.2864</b> | <b>2,669.2864</b> | <b>0.6620</b> |     | <b>2,683.1890</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       | 3.2313        | 31.3458        | 42.3245         | 0.0764        | 2.2124         | 0.5086        | 2.7210         | 0.6301         | 0.4677        | 1.0978        |          | 7,653.4946         | 7,653.4946         | 0.0567        |     | 7,654.6859         |
| Worker       | 4.8753        | 6.5528         | 68.4557         | 0.1517        | 12.7760        | 0.1068        | 12.8828        | 3.3883         | 0.0982        | 3.4864        |          | 12,752.6253        | 12,752.6253        | 0.6976        |     | 12,767.2738        |
| <b>Total</b> | <b>8.1066</b> | <b>37.8985</b> | <b>110.7802</b> | <b>0.2282</b> | <b>14.9885</b> | <b>0.6153</b> | <b>15.6038</b> | <b>4.0183</b>  | <b>0.5658</b> | <b>4.5842</b> |          | <b>20,406.1199</b> | <b>20,406.1199</b> | <b>0.7543</b> |     | <b>20,421.9598</b> |



### 3.4 Phase One: Building Construction - 2016

#### 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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,669.2864        | 2,669.2864        | 0.6620        |     | 2,683.1890        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,669.2864</b> | <b>2,669.2864</b> | <b>0.6620</b> |     | <b>2,683.1890</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       | 3.2313        | 31.3458        | 42.3245         | 0.0764        | 2.2124         | 0.5086        | 2.7210         | 0.6301         | 0.4677        | 1.0978        |          | 7,653.4946         | 7,653.4946         | 0.0567        |     | 7,654.6859         |
| Worker       | 4.8753        | 6.5528         | 68.4557         | 0.1517        | 12.7760        | 0.1068        | 12.8828        | 3.3883         | 0.0982        | 3.4864        |          | 12,752.6253        | 12,752.6253        | 0.6976        |     | 12,767.2738        |
| <b>Total</b> | <b>8.1066</b> | <b>37.8985</b> | <b>110.7802</b> | <b>0.2282</b> | <b>14.9885</b> | <b>0.6153</b> | <b>15.6038</b> | <b>4.0183</b>  | <b>0.5658</b> | <b>4.5842</b> |          | <b>20,406.1199</b> | <b>20,406.1199</b> | <b>0.7543</b> |     | <b>20,421.9598</b> |

**3.4 Phase One: Building Construction - 2017**

**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     | 3.1024        | 26.4057        | 18.1291        | 0.0268        |               | 1.7812        | 1.7812        |                | 1.6730        | 1.6730        |          | 2,639.8053        | 2,639.8053        | 0.6497        |     | 2,653.4490        |
| <b>Total</b> | <b>3.1024</b> | <b>26.4057</b> | <b>18.1291</b> | <b>0.0268</b> |               | <b>1.7812</b> | <b>1.7812</b> |                | <b>1.6730</b> | <b>1.6730</b> |          | <b>2,639.8053</b> | <b>2,639.8053</b> | <b>0.6497</b> |     | <b>2,653.4490</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       | 2.9506        | 28.5049        | 40.1784         | 0.0764        | 2.2131         | 0.4534        | 2.6665         | 0.6304         | 0.4170        | 1.0473        |          | 7,529.3734         | 7,529.3734         | 0.0549        |     | 7,530.5264         |
| Worker       | 4.3711        | 5.9145         | 61.6991         | 0.1516        | 12.7760        | 0.1027        | 12.8788        | 3.3883         | 0.0948        | 3.4830        |          | 12,262.7995        | 12,262.7995        | 0.6437        |     | 12,276.3161        |
| <b>Total</b> | <b>7.3218</b> | <b>34.4194</b> | <b>101.8775</b> | <b>0.2280</b> | <b>14.9892</b> | <b>0.5561</b> | <b>15.5453</b> | <b>4.0186</b>  | <b>0.5117</b> | <b>4.5303</b> |          | <b>19,792.1728</b> | <b>19,792.1728</b> | <b>0.6986</b> |     | <b>19,806.8426</b> |

**3.4 Phase One: Building Construction - 2017**

**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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,639.8053        | 2,639.8053        | 0.6497        |     | 2,653.4490        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,639.8053</b> | <b>2,639.8053</b> | <b>0.6497</b> |     | <b>2,653.4490</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       | 2.9506        | 28.5049        | 40.1784         | 0.0764        | 2.2131         | 0.4534        | 2.6665         | 0.6304         | 0.4170        | 1.0473        |          | 7,529.3734         | 7,529.3734         | 0.0549        |     | 7,530.5264         |
| Worker       | 4.3711        | 5.9145         | 61.6991         | 0.1516        | 12.7760        | 0.1027        | 12.8788        | 3.3883         | 0.0948        | 3.4830        |          | 12,262.7995        | 12,262.7995        | 0.6437        |     | 12,276.3161        |
| <b>Total</b> | <b>7.3218</b> | <b>34.4194</b> | <b>101.8775</b> | <b>0.2280</b> | <b>14.9892</b> | <b>0.5561</b> | <b>15.5453</b> | <b>4.0186</b>  | <b>0.5117</b> | <b>4.5303</b> |          | <b>19,792.1728</b> | <b>19,792.1728</b> | <b>0.6986</b> |     | <b>19,806.8426</b> |

### 3.4 Phase One: Building Construction - 2018

#### 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     | 2.6687        | 23.2608        | 17.5327        | 0.0268        |               | 1.4943        | 1.4943        |                | 1.4048        | 1.4048        |          | 2,609.9390        | 2,609.9390        | 0.6387        |     | 2,623.3517        |
| <b>Total</b> | <b>2.6687</b> | <b>23.2608</b> | <b>17.5327</b> | <b>0.0268</b> |               | <b>1.4943</b> | <b>1.4943</b> |                | <b>1.4048</b> | <b>1.4048</b> |          | <b>2,609.9390</b> | <b>2,609.9390</b> | <b>0.6387</b> |     | <b>2,623.3517</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       | 2.7576        | 26.1476        | 38.5536        | 0.0762        | 2.2132         | 0.4272        | 2.6404         | 0.6304         | 0.3929        | 1.0233        |          | 7,402.8932         | 7,402.8932         | 0.0546        |     | 7,404.0400         |
| Worker       | 3.9309        | 5.3636         | 55.8281        | 0.1515        | 12.7760        | 0.1000        | 12.8760        | 3.3883         | 0.0925        | 3.4808        |          | 11,804.9092        | 11,804.9092        | 0.5974        |     | 11,817.4538        |
| <b>Total</b> | <b>6.6885</b> | <b>31.5112</b> | <b>94.3816</b> | <b>0.2278</b> | <b>14.9892</b> | <b>0.5272</b> | <b>15.5164</b> | <b>4.0186</b>  | <b>0.4855</b> | <b>4.5041</b> |          | <b>19,207.8024</b> | <b>19,207.8024</b> | <b>0.6520</b> |     | <b>19,221.4937</b> |

### 3.4 Phase One: Building Construction - 2018

#### 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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,609.9389        | 2,609.9389        | 0.6387        |     | 2,623.3517        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,609.9389</b> | <b>2,609.9389</b> | <b>0.6387</b> |     | <b>2,623.3517</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       | 2.7576        | 26.1476        | 38.5536        | 0.0762        | 2.2132         | 0.4272        | 2.6404         | 0.6304         | 0.3929        | 1.0233        |          | 7,402.8932         | 7,402.8932         | 0.0546        |     | 7,404.0400         |
| Worker       | 3.9309        | 5.3636         | 55.8281        | 0.1515        | 12.7760        | 0.1000        | 12.8760        | 3.3883         | 0.0925        | 3.4808        |          | 11,804.9092        | 11,804.9092        | 0.5974        |     | 11,817.4538        |
| <b>Total</b> | <b>6.6885</b> | <b>31.5112</b> | <b>94.3816</b> | <b>0.2278</b> | <b>14.9892</b> | <b>0.5272</b> | <b>15.5164</b> | <b>4.0186</b>  | <b>0.4855</b> | <b>4.5041</b> |          | <b>19,207.8024</b> | <b>19,207.8024</b> | <b>0.6520</b> |     | <b>19,221.4937</b> |

### 3.4 Phase One: Building Construction - 2019

#### 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     | 2.3516        | 20.9650        | 17.1204        | 0.0268        |               | 1.2850        | 1.2850        |                | 1.2083        | 1.2083        |          | 2,580.7618        | 2,580.7618        | 0.6279        |     | 2,593.9479        |
| <b>Total</b> | <b>2.3516</b> | <b>20.9650</b> | <b>17.1204</b> | <b>0.0268</b> |               | <b>1.2850</b> | <b>1.2850</b> |                | <b>1.2083</b> | <b>1.2083</b> |          | <b>2,580.7618</b> | <b>2,580.7618</b> | <b>0.6279</b> |     | <b>2,593.9479</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       | 2.6064        | 24.1004        | 37.2869        | 0.0760        | 2.2134         | 0.4052        | 2.6186         | 0.6304         | 0.3728        | 1.0032        |          | 7,258.7979         | 7,258.7979         | 0.0536        |     | 7,259.9237         |
| Worker       | 3.6148        | 4.9183         | 51.1678        | 0.1512        | 12.7760        | 0.0982        | 12.8743        | 3.3883         | 0.0911        | 3.4793        |          | 11,355.5241        | 11,355.5241        | 0.5592        |     | 11,367.2669        |
| <b>Total</b> | <b>6.2212</b> | <b>29.0187</b> | <b>88.4547</b> | <b>0.2272</b> | <b>14.9894</b> | <b>0.5034</b> | <b>15.4928</b> | <b>4.0187</b>  | <b>0.4638</b> | <b>4.4825</b> |          | <b>18,614.3220</b> | <b>18,614.3220</b> | <b>0.6128</b> |     | <b>18,627.1907</b> |

### 3.4 Phase One: Building Construction - 2019

#### 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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,580.7618        | 2,580.7618        | 0.6279        |     | 2,593.9479        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,580.7618</b> | <b>2,580.7618</b> | <b>0.6279</b> |     | <b>2,593.9479</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       | 2.6064        | 24.1004        | 37.2869        | 0.0760        | 2.2134         | 0.4052        | 2.6186         | 0.6304         | 0.3728        | 1.0032        |          | 7,258.7979         | 7,258.7979         | 0.0536        |     | 7,259.9237         |
| Worker       | 3.6148        | 4.9183         | 51.1678        | 0.1512        | 12.7760        | 0.0982        | 12.8743        | 3.3883         | 0.0911        | 3.4793        |          | 11,355.5241        | 11,355.5241        | 0.5592        |     | 11,367.2669        |
| <b>Total</b> | <b>6.2212</b> | <b>29.0187</b> | <b>88.4547</b> | <b>0.2272</b> | <b>14.9894</b> | <b>0.5034</b> | <b>15.4928</b> | <b>4.0187</b>  | <b>0.4638</b> | <b>4.4825</b> |          | <b>18,614.3220</b> | <b>18,614.3220</b> | <b>0.6128</b> |     | <b>18,627.1907</b> |

**3.5 Phase Two: Paving - 2017**

**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     | 1.9074        | 20.2964        | 14.7270        | 0.0223        |               | 1.1384        | 1.1384        |                | 1.0473        | 1.0473        |          | 2,281.0588        | 2,281.0588        | 0.6989        |     | 2,295.7360        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.9074</b> | <b>20.2964</b> | <b>14.7270</b> | <b>0.0223</b> |               | <b>1.1384</b> | <b>1.1384</b> |                | <b>1.0473</b> | <b>1.0473</b> |          | <b>2,281.0588</b> | <b>2,281.0588</b> | <b>0.6989</b> |     | <b>2,295.7360</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       | 0.0574        | 0.0776        | 0.8097        | 1.9900e-003        | 0.1677        | 1.3500e-003        | 0.1690        | 0.0445         | 1.2400e-003        | 0.0457        |          | 160.9291        | 160.9291        | 8.4500e-003        |     | 161.1065        |
| <b>Total</b> | <b>0.0574</b> | <b>0.0776</b> | <b>0.8097</b> | <b>1.9900e-003</b> | <b>0.1677</b> | <b>1.3500e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.2400e-003</b> | <b>0.0457</b> |          | <b>160.9291</b> | <b>160.9291</b> | <b>8.4500e-003</b> |     | <b>161.1065</b> |



### 3.5 Phase Two: Paving - 2017

#### 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     | 0.2745        | 1.1895        | 16.9276        | 0.0223        |               | 5.4900e-003        | 5.4900e-003        |                | 5.4900e-003        | 5.4900e-003        | 0.0000        | 2,281.0588        | 2,281.0588        | 0.6989        |     | 2,295.7360        |
| Paving       | 0.0000        |               |                |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.2745</b> | <b>1.1895</b> | <b>16.9276</b> | <b>0.0223</b> |               | <b>5.4900e-003</b> | <b>5.4900e-003</b> |                | <b>5.4900e-003</b> | <b>5.4900e-003</b> | <b>0.0000</b> | <b>2,281.0588</b> | <b>2,281.0588</b> | <b>0.6989</b> |     | <b>2,295.7360</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       | 0.0574        | 0.0776        | 0.8097        | 1.9900e-003        | 0.1677        | 1.3500e-003        | 0.1690        | 0.0445         | 1.2400e-003        | 0.0457        |          | 160.9291        | 160.9291        | 8.4500e-003        |     | 161.1065        |
| <b>Total</b> | <b>0.0574</b> | <b>0.0776</b> | <b>0.8097</b> | <b>1.9900e-003</b> | <b>0.1677</b> | <b>1.3500e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.2400e-003</b> | <b>0.0457</b> |          | <b>160.9291</b> | <b>160.9291</b> | <b>8.4500e-003</b> |     | <b>161.1065</b> |

### 3.6 Phase Two: Architectural Coating - 2017

#### 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 | 24.4588        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.3323         | 2.1850        | 1.8681        | 2.9700e-003        |               | 0.1733        | 0.1733        |                | 0.1733        | 0.1733        |          | 281.4481        | 281.4481        | 0.0297        |     | 282.0721        |
| <b>Total</b>    | <b>24.7912</b> | <b>2.1850</b> | <b>1.8681</b> | <b>2.9700e-003</b> |               | <b>0.1733</b> | <b>0.1733</b> |                | <b>0.1733</b> | <b>0.1733</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0297</b> |     | <b>282.0721</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       | 0.8758        | 1.1850        | 12.3614        | 0.0304        | 2.5597        | 0.0206        | 2.5803        | 0.6788         | 0.0190        | 0.6978        |          | 2,456.8513        | 2,456.8513        | 0.1290        |     | 2,459.5594        |
| <b>Total</b> | <b>0.8758</b> | <b>1.1850</b> | <b>12.3614</b> | <b>0.0304</b> | <b>2.5597</b> | <b>0.0206</b> | <b>2.5803</b> | <b>0.6788</b>  | <b>0.0190</b> | <b>0.6978</b> |          | <b>2,456.8513</b> | <b>2,456.8513</b> | <b>0.1290</b> |     | <b>2,459.5594</b> |

### 3.6 Phase Two: Architectural Coating - 2017

#### 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 | 24.4588        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     |      | 0.0000          |
| Off-Road        | 0.0297         | 0.1288        | 1.8324        | 2.9700e-003        |               | 5.9000e-004        | 5.9000e-004        |                | 5.9000e-004        | 5.9000e-004        | 0.0000        | 281.4481        | 281.4481        | 0.0297        |     |      | 282.0721        |
| <b>Total</b>    | <b>24.4886</b> | <b>0.1288</b> | <b>1.8324</b> | <b>2.9700e-003</b> |               | <b>5.9000e-004</b> | <b>5.9000e-004</b> |                | <b>5.9000e-004</b> | <b>5.9000e-004</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0297</b> |     |      | <b>282.0721</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       | 0.8758        | 1.1850        | 12.3614        | 0.0304        | 2.5597        | 0.0206        | 2.5803        | 0.6788         | 0.0190        | 0.6978        |          | 2,456.8513        | 2,456.8513        | 0.1290        |     |      | 2,459.5594        |
| <b>Total</b> | <b>0.8758</b> | <b>1.1850</b> | <b>12.3614</b> | <b>0.0304</b> | <b>2.5597</b> | <b>0.0206</b> | <b>2.5803</b> | <b>0.6788</b>  | <b>0.0190</b> | <b>0.6978</b> |          | <b>2,456.8513</b> | <b>2,456.8513</b> | <b>0.1290</b> |     |      | <b>2,459.5594</b> |

### 3.7 Phase One:Architectural Coating - 2018

#### 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 | 34.7184        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2986         | 2.0058        | 1.8542        | 2.9700e-003        |               | 0.1506        | 0.1506        |                | 0.1506        | 0.1506        |          | 281.4485        | 281.4485        | 0.0267        |     | 282.0102        |
| <b>Total</b>    | <b>35.0170</b> | <b>2.0058</b> | <b>1.8542</b> | <b>2.9700e-003</b> |               | <b>0.1506</b> | <b>0.1506</b> |                | <b>0.1506</b> | <b>0.1506</b> |          | <b>281.4485</b> | <b>281.4485</b> | <b>0.0267</b> |     | <b>282.0102</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       | 0.7876        | 1.0746        | 11.1852        | 0.0304        | 2.5597        | 0.0200        | 2.5797        | 0.6788         | 0.0185        | 0.6974        |          | 2,365.1131        | 2,365.1131        | 0.1197        |     | 2,367.6264        |
| <b>Total</b> | <b>0.7876</b> | <b>1.0746</b> | <b>11.1852</b> | <b>0.0304</b> | <b>2.5597</b> | <b>0.0200</b> | <b>2.5797</b> | <b>0.6788</b>  | <b>0.0185</b> | <b>0.6974</b> |          | <b>2,365.1131</b> | <b>2,365.1131</b> | <b>0.1197</b> |     | <b>2,367.6264</b> |

### 3.7 Phase One:Architectural Coating - 2018

#### 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 | 34.7184        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.0297         | 0.1288        | 1.8324        | 2.9700e-003        |               | 5.9000e-004        | 5.9000e-004        |                | 5.9000e-004        | 5.9000e-004        | 0.0000        | 281.4485        | 281.4485        | 0.0267        |     | 282.0102        |
| <b>Total</b>    | <b>34.7481</b> | <b>0.1288</b> | <b>1.8324</b> | <b>2.9700e-003</b> |               | <b>5.9000e-004</b> | <b>5.9000e-004</b> |                | <b>5.9000e-004</b> | <b>5.9000e-004</b> | <b>0.0000</b> | <b>281.4485</b> | <b>281.4485</b> | <b>0.0267</b> |     | <b>282.0102</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       | 0.7876        | 1.0746        | 11.1852        | 0.0304        | 2.5597        | 0.0200        | 2.5797        | 0.6788         | 0.0185        | 0.6974        |          | 2,365.1131        | 2,365.1131        | 0.1197        |     | 2,367.6264        |
| <b>Total</b> | <b>0.7876</b> | <b>1.0746</b> | <b>11.1852</b> | <b>0.0304</b> | <b>2.5597</b> | <b>0.0200</b> | <b>2.5797</b> | <b>0.6788</b>  | <b>0.0185</b> | <b>0.6974</b> |          | <b>2,365.1131</b> | <b>2,365.1131</b> | <b>0.1197</b> |     | <b>2,367.6264</b> |

### 3.7 Phase One:Architectural Coating - 2019

#### 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 | 34.7184        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2664         | 1.8354        | 1.8413        | 2.9700e-003        |               | 0.1288        | 0.1288        |                | 0.1288        | 0.1288        |          | 281.4481        | 281.4481        | 0.0238        |     | 281.9473        |
| <b>Total</b>    | <b>34.9849</b> | <b>1.8354</b> | <b>1.8413</b> | <b>2.9700e-003</b> |               | <b>0.1288</b> | <b>0.1288</b> |                | <b>0.1288</b> | <b>0.1288</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0238</b> |     | <b>281.9473</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       | 0.7242        | 0.9854        | 10.2515        | 0.0303        | 2.5597        | 0.0197        | 2.5794        | 0.6788         | 0.0182        | 0.6971        |          | 2,275.0788        | 2,275.0788        | 0.1120        |     | 2,277.4314        |
| <b>Total</b> | <b>0.7242</b> | <b>0.9854</b> | <b>10.2515</b> | <b>0.0303</b> | <b>2.5597</b> | <b>0.0197</b> | <b>2.5794</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6971</b> |          | <b>2,275.0788</b> | <b>2,275.0788</b> | <b>0.1120</b> |     | <b>2,277.4314</b> |

### 3.7 Phase One:Architectural Coating - 2019

#### 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 | 34.7184        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.0297         | 0.1288        | 1.8324        | 2.9700e-003        |               | 5.9000e-004        | 5.9000e-004        |                | 5.9000e-004        | 5.9000e-004        | 0.0000        | 281.4481        | 281.4481        | 0.0238        |     | 281.9473        |
| <b>Total</b>    | <b>34.7481</b> | <b>0.1288</b> | <b>1.8324</b> | <b>2.9700e-003</b> |               | <b>5.9000e-004</b> | <b>5.9000e-004</b> |                | <b>5.9000e-004</b> | <b>5.9000e-004</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0238</b> |     | <b>281.9473</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       | 0.7242        | 0.9854        | 10.2515        | 0.0303        | 2.5597        | 0.0197        | 2.5794        | 0.6788         | 0.0182        | 0.6971        |          | 2,275.0788        | 2,275.0788        | 0.1120        |     | 2,277.4314        |
| <b>Total</b> | <b>0.7242</b> | <b>0.9854</b> | <b>10.2515</b> | <b>0.0303</b> | <b>2.5597</b> | <b>0.0197</b> | <b>2.5794</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6971</b> |          | <b>2,275.0788</b> | <b>2,275.0788</b> | <b>0.1120</b> |     | <b>2,277.4314</b> |

**3.8 Phase One:Paving - 2018**

**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     | 1.6114        | 17.1628        | 14.4944        | 0.0223        |               | 0.9386        | 0.9386        |                | 0.8635        | 0.8635        |          | 2,245.2695        | 2,245.2695        | 0.6990        |     | 2,259.9481        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.6114</b> | <b>17.1628</b> | <b>14.4944</b> | <b>0.0223</b> |               | <b>0.9386</b> | <b>0.9386</b> |                | <b>0.8635</b> | <b>0.8635</b> |          | <b>2,245.2695</b> | <b>2,245.2695</b> | <b>0.6990</b> |     | <b>2,259.9481</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       | 0.0516        | 0.0704        | 0.7327        | 1.9900e-003        | 0.1677        | 1.3100e-003        | 0.1690        | 0.0445         | 1.2100e-003        | 0.0457        |          | 154.9201        | 154.9201        | 7.8400e-003        |     | 155.0847        |
| <b>Total</b> | <b>0.0516</b> | <b>0.0704</b> | <b>0.7327</b> | <b>1.9900e-003</b> | <b>0.1677</b> | <b>1.3100e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.2100e-003</b> | <b>0.0457</b> |          | <b>154.9201</b> | <b>154.9201</b> | <b>7.8400e-003</b> |     | <b>155.0847</b> |



**3.8 Phase One:Paving - 2018**

**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     | 0.2745        | 1.1895        | 16.9276        | 0.0223        |               | 5.4900e-003        | 5.4900e-003        |                | 5.4900e-003        | 5.4900e-003        | 0.0000        | 2,245.2695        | 2,245.2695        | 0.6990        |     | 2,259.9481        |
| Paving       | 0.0000        |               |                |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.2745</b> | <b>1.1895</b> | <b>16.9276</b> | <b>0.0223</b> |               | <b>5.4900e-003</b> | <b>5.4900e-003</b> |                | <b>5.4900e-003</b> | <b>5.4900e-003</b> | <b>0.0000</b> | <b>2,245.2695</b> | <b>2,245.2695</b> | <b>0.6990</b> |     | <b>2,259.9481</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       | 0.0516        | 0.0704        | 0.7327        | 1.9900e-003        | 0.1677        | 1.3100e-003        | 0.1690        | 0.0445         | 1.2100e-003        | 0.0457        |          | 154.9201        | 154.9201        | 7.8400e-003        |     | 155.0847        |
| <b>Total</b> | <b>0.0516</b> | <b>0.0704</b> | <b>0.7327</b> | <b>1.9900e-003</b> | <b>0.1677</b> | <b>1.3100e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.2100e-003</b> | <b>0.0457</b> |          | <b>154.9201</b> | <b>154.9201</b> | <b>7.8400e-003</b> |     | <b>155.0847</b> |

**3.8 Phase One:Paving - 2019**

**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     | 1.4259        | 14.9353        | 14.3652        | 0.0223        |               | 0.8094        | 0.8094        |                | 0.7447        | 0.7447        |          | 2,208.9731        | 2,208.9731        | 0.6989        |     | 2,223.6499        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.4259</b> | <b>14.9353</b> | <b>14.3652</b> | <b>0.0223</b> |               | <b>0.8094</b> | <b>0.8094</b> |                | <b>0.7447</b> | <b>0.7447</b> |          | <b>2,208.9731</b> | <b>2,208.9731</b> | <b>0.6989</b> |     | <b>2,223.6499</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       | 0.0474        | 0.0645        | 0.6715        | 1.9800e-003        | 0.1677        | 1.2900e-003        | 0.1690        | 0.0445         | 1.1900e-003        | 0.0457        |          | 149.0226        | 149.0226        | 7.3400e-003        |     | 149.1767        |
| <b>Total</b> | <b>0.0474</b> | <b>0.0645</b> | <b>0.6715</b> | <b>1.9800e-003</b> | <b>0.1677</b> | <b>1.2900e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.1900e-003</b> | <b>0.0457</b> |          | <b>149.0226</b> | <b>149.0226</b> | <b>7.3400e-003</b> |     | <b>149.1767</b> |

### 3.8 Phase One:Paving - 2019

#### 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     | 0.2745        | 1.1895        | 16.9276        | 0.0223        |               | 5.4900e-003        | 5.4900e-003        |                | 5.4900e-003        | 5.4900e-003        | 0.0000        | 2,208.9731        | 2,208.9731        | 0.6989        |     | 2,223.6499        |
| Paving       | 0.0000        |               |                |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.2745</b> | <b>1.1895</b> | <b>16.9276</b> | <b>0.0223</b> |               | <b>5.4900e-003</b> | <b>5.4900e-003</b> |                | <b>5.4900e-003</b> | <b>5.4900e-003</b> | <b>0.0000</b> | <b>2,208.9731</b> | <b>2,208.9731</b> | <b>0.6989</b> |     | <b>2,223.6499</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       | 0.0474        | 0.0645        | 0.6715        | 1.9800e-003        | 0.1677        | 1.2900e-003        | 0.1690        | 0.0445         | 1.1900e-003        | 0.0457        |          | 149.0226        | 149.0226        | 7.3400e-003        |     | 149.1767        |
| <b>Total</b> | <b>0.0474</b> | <b>0.0645</b> | <b>0.6715</b> | <b>1.9800e-003</b> | <b>0.1677</b> | <b>1.2900e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.1900e-003</b> | <b>0.0457</b> |          | <b>149.0226</b> | <b>149.0226</b> | <b>7.3400e-003</b> |     | <b>149.1767</b> |

**3.9 Phase Three: Demolition - 2019**

**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 |               |                |                |               | 1.2349        | 0.0000        | 1.2349        | 0.1870         | 0.0000        | 0.1870        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.3224        | 33.9413        | 30.8050        | 0.0399        |               | 1.6448        | 1.6448        |                | 1.5316        | 1.5316        |          | 3,929.2327        | 3,929.2327        | 1.0974        |     | 3,952.2774        |
| <b>Total</b>  | <b>3.3224</b> | <b>33.9413</b> | <b>30.8050</b> | <b>0.0399</b> | <b>1.2349</b> | <b>1.6448</b> | <b>2.8797</b> | <b>0.1870</b>  | <b>1.5316</b> | <b>1.7185</b> |          | <b>3,929.2327</b> | <b>3,929.2327</b> | <b>1.0974</b> |     | <b>3,952.2774</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      | 0.0919        | 1.2880        | 1.1804        | 4.1800e-003        | 0.0995        | 0.0227        | 0.1222        | 0.0273         | 0.0209        | 0.0482        |          | 401.4527        | 401.4527        | 3.0100e-003   |     | 401.5160        |
| 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       | 0.0474        | 0.0645        | 0.6715        | 1.9800e-003        | 0.1677        | 1.2900e-003   | 0.1690        | 0.0445         | 1.1900e-003   | 0.0457        |          | 149.0226        | 149.0226        | 7.3400e-003   |     | 149.1767        |
| <b>Total</b> | <b>0.1393</b> | <b>1.3525</b> | <b>1.8519</b> | <b>6.1600e-003</b> | <b>0.2672</b> | <b>0.0240</b> | <b>0.2912</b> | <b>0.0717</b>  | <b>0.0221</b> | <b>0.0938</b> |          | <b>550.4753</b> | <b>550.4753</b> | <b>0.0104</b> |     | <b>550.6927</b> |

**3.9 Phase Three: Demolition - 2019**

**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 |               |               |                |               | 0.5557        | 0.0000             | 0.5557        | 0.0841         | 0.0000             | 0.0841        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.4739        | 2.0535        | 23.8257        | 0.0399        |               | 9.4800e-003        | 9.4800e-003   |                | 9.4800e-003        | 9.4800e-003   | 0.0000        | 3,929.2327        | 3,929.2327        | 1.0974        |     | 3,952.2774        |
| <b>Total</b>  | <b>0.4739</b> | <b>2.0535</b> | <b>23.8257</b> | <b>0.0399</b> | <b>0.5557</b> | <b>9.4800e-003</b> | <b>0.5652</b> | <b>0.0841</b>  | <b>9.4800e-003</b> | <b>0.0936</b> | <b>0.0000</b> | <b>3,929.2327</b> | <b>3,929.2327</b> | <b>1.0974</b> |     | <b>3,952.2774</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      | 0.0919        | 1.2880        | 1.1804        | 4.1800e-003        | 0.0995        | 0.0227        | 0.1222        | 0.0273         | 0.0209        | 0.0482        |          | 401.4527        | 401.4527        | 3.0100e-003   |     | 401.5160        |
| 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       | 0.0474        | 0.0645        | 0.6715        | 1.9800e-003        | 0.1677        | 1.2900e-003   | 0.1690        | 0.0445         | 1.1900e-003   | 0.0457        |          | 149.0226        | 149.0226        | 7.3400e-003   |     | 149.1767        |
| <b>Total</b> | <b>0.1393</b> | <b>1.3525</b> | <b>1.8519</b> | <b>6.1600e-003</b> | <b>0.2672</b> | <b>0.0240</b> | <b>0.2912</b> | <b>0.0717</b>  | <b>0.0221</b> | <b>0.0938</b> |          | <b>550.4753</b> | <b>550.4753</b> | <b>0.0104</b> |     | <b>550.6927</b> |

**3.10 Phase Three: Grading - 2019**

**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 |               |                |                |               | 6.1888        | 0.0000        | 6.1888        | 3.3333         | 0.0000        | 3.3333        |          |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 4.8912        | 54.1978        | 40.2888        | 0.0617        |               | 2.5049        | 2.5049        |                | 2.3045        | 2.3045        |          | 6,111.312<br>1         | 6,111.312<br>1         | 1.9336        |     | 6,151.916<br>7         |
| <b>Total</b>  | <b>4.8912</b> | <b>54.1978</b> | <b>40.2888</b> | <b>0.0617</b> | <b>6.1888</b> | <b>2.5049</b> | <b>8.6937</b> | <b>3.3333</b>  | <b>2.3045</b> | <b>5.6378</b> |          | <b>6,111.312<br/>1</b> | <b>6,111.312<br/>1</b> | <b>1.9336</b> |     | <b>6,151.916<br/>7</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      | 2.0782        | 29.1403        | 26.7055        | 0.0945        | 2.2516        | 0.5138        | 2.7654        | 0.6166         | 0.4727        | 1.0893        |          | 9,082.760<br>8         | 9,082.760<br>8         | 0.0682        |     | 9,084.192<br>4         |
| 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       | 0.0633        | 0.0861         | 0.8953         | 2.6500e-003   | 0.2236        | 1.7200e-003   | 0.2253        | 0.0593         | 1.5900e-003   | 0.0609        |          | 198.6968               | 198.6968               | 9.7800e-003   |     | 198.9023               |
| <b>Total</b> | <b>2.1415</b> | <b>29.2264</b> | <b>27.6008</b> | <b>0.0972</b> | <b>2.4751</b> | <b>0.5156</b> | <b>2.9907</b> | <b>0.6759</b>  | <b>0.4743</b> | <b>1.1502</b> |          | <b>9,281.457<br/>6</b> | <b>9,281.457<br/>6</b> | <b>0.0780</b> |     | <b>9,283.094<br/>7</b> |

**3.10 Phase Three: Grading - 2019**

**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 |               |               |                |               | 2.7849        | 0.0000        | 2.7849        | 1.5000         | 0.0000        | 1.5000        |               |                        | 0.0000                 |               |     | 0.0000                 |
| Off-Road      | 0.7564        | 3.2778        | 34.7787        | 0.0617        |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        | 0.0000        | 6,111.312<br>1         | 6,111.312<br>1         | 1.9336        |     | 6,151.916<br>7         |
| <b>Total</b>  | <b>0.7564</b> | <b>3.2778</b> | <b>34.7787</b> | <b>0.0617</b> | <b>2.7849</b> | <b>0.0151</b> | <b>2.8001</b> | <b>1.5000</b>  | <b>0.0151</b> | <b>1.5151</b> | <b>0.0000</b> | <b>6,111.312<br/>1</b> | <b>6,111.312<br/>1</b> | <b>1.9336</b> |     | <b>6,151.916<br/>7</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      | 2.0782        | 29.1403        | 26.7055        | 0.0945        | 2.2516        | 0.5138        | 2.7654        | 0.6166         | 0.4727        | 1.0893        |          | 9,082.760<br>8         | 9,082.760<br>8         | 0.0682        |     | 9,084.192<br>4         |
| 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       | 0.0633        | 0.0861         | 0.8953         | 2.6500e-003   | 0.2236        | 1.7200e-003   | 0.2253        | 0.0593         | 1.5900e-003   | 0.0609        |          | 198.6968               | 198.6968               | 9.7800e-003   |     | 198.9023               |
| <b>Total</b> | <b>2.1415</b> | <b>29.2264</b> | <b>27.6008</b> | <b>0.0972</b> | <b>2.4751</b> | <b>0.5156</b> | <b>2.9907</b> | <b>0.6759</b>  | <b>0.4743</b> | <b>1.1502</b> |          | <b>9,281.457<br/>6</b> | <b>9,281.457<br/>6</b> | <b>0.0780</b> |     | <b>9,283.094<br/>7</b> |

**3.11 Phase Three: Construction - 2019**

**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     | 2.3516        | 20.9650        | 17.1204        | 0.0268        |               | 1.2850        | 1.2850        |                | 1.2083        | 1.2083        |          | 2,580.7618        | 2,580.7618        | 0.6279        |     | 2,593.9479        |
| <b>Total</b> | <b>2.3516</b> | <b>20.9650</b> | <b>17.1204</b> | <b>0.0268</b> |               | <b>1.2850</b> | <b>1.2850</b> |                | <b>1.2083</b> | <b>1.2083</b> |          | <b>2,580.7618</b> | <b>2,580.7618</b> | <b>0.6279</b> |     | <b>2,593.9479</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       | 2.6064        | 24.1004        | 37.2869        | 0.0760        | 2.2134         | 0.4052        | 2.6186         | 0.6304         | 0.3728        | 1.0032        |          | 7,258.7979         | 7,258.7979         | 0.0536        |     | 7,259.9237         |
| Worker       | 3.6148        | 4.9183         | 51.1678        | 0.1512        | 12.7760        | 0.0982        | 12.8743        | 3.3883         | 0.0911        | 3.4793        |          | 11,355.5241        | 11,355.5241        | 0.5592        |     | 11,367.2669        |
| <b>Total</b> | <b>6.2212</b> | <b>29.0187</b> | <b>88.4547</b> | <b>0.2272</b> | <b>14.9894</b> | <b>0.5034</b> | <b>15.4928</b> | <b>4.0187</b>  | <b>0.4638</b> | <b>4.4825</b> |          | <b>18,614.3220</b> | <b>18,614.3220</b> | <b>0.6128</b> |     | <b>18,627.1907</b> |



**3.11 Phase Three: Construction - 2019**

**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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,580.7618        | 2,580.7618        | 0.6279        |     | 2,593.9479        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,580.7618</b> | <b>2,580.7618</b> | <b>0.6279</b> |     | <b>2,593.9479</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       | 2.6064        | 24.1004        | 37.2869        | 0.0760        | 2.2134         | 0.4052        | 2.6186         | 0.6304         | 0.3728        | 1.0032        |          | 7,258.7979         | 7,258.7979         | 0.0536        |     | 7,259.9237         |
| Worker       | 3.6148        | 4.9183         | 51.1678        | 0.1512        | 12.7760        | 0.0982        | 12.8743        | 3.3883         | 0.0911        | 3.4793        |          | 11,355.5241        | 11,355.5241        | 0.5592        |     | 11,367.2669        |
| <b>Total</b> | <b>6.2212</b> | <b>29.0187</b> | <b>88.4547</b> | <b>0.2272</b> | <b>14.9894</b> | <b>0.5034</b> | <b>15.4928</b> | <b>4.0187</b>  | <b>0.4638</b> | <b>4.4825</b> |          | <b>18,614.3220</b> | <b>18,614.3220</b> | <b>0.6128</b> |     | <b>18,627.1907</b> |

**3.11 Phase Three: Construction - 2020**

**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     | 2.1113        | 19.0839        | 16.8084        | 0.0268        |               | 1.1128        | 1.1128        |                | 1.0465        | 1.0465        |          | 2,542.4799        | 2,542.4799        | 0.6194        |     | 2,555.4880        |
| <b>Total</b> | <b>2.1113</b> | <b>19.0839</b> | <b>16.8084</b> | <b>0.0268</b> |               | <b>1.1128</b> | <b>1.1128</b> |                | <b>1.0465</b> | <b>1.0465</b> |          | <b>2,542.4799</b> | <b>2,542.4799</b> | <b>0.6194</b> |     | <b>2,555.4880</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       | 2.4711        | 21.0238        | 36.2044        | 0.0759        | 2.2136         | 0.3707        | 2.5843         | 0.6305         | 0.3411        | 0.9716        |          | 7,095.2018         | 7,095.2018         | 0.0526        |     | 7,096.3052         |
| Worker       | 3.3871        | 4.5574         | 47.5953        | 0.1512        | 12.7760        | 0.0976        | 12.8737        | 3.3883         | 0.0905        | 3.4788        |          | 10,894.1068        | 10,894.1068        | 0.5296        |     | 10,905.2280        |
| <b>Total</b> | <b>5.8582</b> | <b>25.5811</b> | <b>83.7997</b> | <b>0.2270</b> | <b>14.9896</b> | <b>0.4684</b> | <b>15.4580</b> | <b>4.0188</b>  | <b>0.4316</b> | <b>4.4504</b> |          | <b>17,989.3085</b> | <b>17,989.3085</b> | <b>0.5821</b> |     | <b>18,001.5333</b> |

**3.11 Phase Three: Construction - 2020**

**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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,542.4799        | 2,542.4799        | 0.6194        |     | 2,555.4880        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,542.4799</b> | <b>2,542.4799</b> | <b>0.6194</b> |     | <b>2,555.4880</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       | 2.4711        | 21.0238        | 36.2044        | 0.0759        | 2.2136         | 0.3707        | 2.5843         | 0.6305         | 0.3411        | 0.9716        |          | 7,095.2018         | 7,095.2018         | 0.0526        |     | 7,096.3052         |
| Worker       | 3.3871        | 4.5574         | 47.5953        | 0.1512        | 12.7760        | 0.0976        | 12.8737        | 3.3883         | 0.0905        | 3.4788        |          | 10,894.1068        | 10,894.1068        | 0.5296        |     | 10,905.2280        |
| <b>Total</b> | <b>5.8582</b> | <b>25.5811</b> | <b>83.7997</b> | <b>0.2270</b> | <b>14.9896</b> | <b>0.4684</b> | <b>15.4580</b> | <b>4.0188</b>  | <b>0.4316</b> | <b>4.4504</b> |          | <b>17,989.3085</b> | <b>17,989.3085</b> | <b>0.5821</b> |     | <b>18,001.5333</b> |

**3.12 Phase Four:Demolition - 2020**

**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 |               |                |                |               | 2.1429        | 0.0000        | 2.1429        | 0.3245         | 0.0000        | 0.3245        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 3.0964        | 31.0154        | 29.6099        | 0.0400        |               | 1.4899        | 1.4899        |                | 1.3865        | 1.3865        |          | 3,857.1420        | 3,857.1420        | 1.0933        |     | 3,880.1021        |
| <b>Total</b>  | <b>3.0964</b> | <b>31.0154</b> | <b>29.6099</b> | <b>0.0400</b> | <b>2.1429</b> | <b>1.4899</b> | <b>3.6327</b> | <b>0.3245</b>  | <b>1.3865</b> | <b>1.7110</b> |          | <b>3,857.1420</b> | <b>3,857.1420</b> | <b>1.0933</b> |     | <b>3,880.1021</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      | 0.1559        | 1.9913        | 2.0213        | 7.2400e-003        | 0.1726        | 0.0391        | 0.2116        | 0.0473         | 0.0359        | 0.0832        |          | 680.4683        | 680.4683        | 5.2300e-003   |     | 680.5781        |
| 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       | 0.0445        | 0.0598        | 0.6246        | 1.9800e-003        | 0.1677        | 1.2800e-003   | 0.1690        | 0.0445         | 1.1900e-003   | 0.0457        |          | 142.9673        | 142.9673        | 6.9500e-003   |     | 143.1132        |
| <b>Total</b> | <b>0.2004</b> | <b>2.0511</b> | <b>2.6459</b> | <b>9.2200e-003</b> | <b>0.3403</b> | <b>0.0403</b> | <b>0.3806</b> | <b>0.0917</b>  | <b>0.0371</b> | <b>0.1288</b> |          | <b>823.4356</b> | <b>823.4356</b> | <b>0.0122</b> |     | <b>823.6914</b> |

**3.12 Phase Four:Demolition - 2020****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 |               |               |                |               | 0.9643        | 0.0000             | 0.9643        | 0.1460         | 0.0000             | 0.1460        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.4739        | 2.0535        | 23.8257        | 0.0400        |               | 9.4800e-003        | 9.4800e-003   |                | 9.4800e-003        | 9.4800e-003   | 0.0000        | 3,857.1420        | 3,857.1420        | 1.0933        |     | 3,880.1021        |
| <b>Total</b>  | <b>0.4739</b> | <b>2.0535</b> | <b>23.8257</b> | <b>0.0400</b> | <b>0.9643</b> | <b>9.4800e-003</b> | <b>0.9738</b> | <b>0.1460</b>  | <b>9.4800e-003</b> | <b>0.1555</b> | <b>0.0000</b> | <b>3,857.1420</b> | <b>3,857.1420</b> | <b>1.0933</b> |     | <b>3,880.1021</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      | 0.1559        | 1.9913        | 2.0213        | 7.2400e-003        | 0.1726        | 0.0391        | 0.2116        | 0.0473         | 0.0359        | 0.0832        |          | 680.4683        | 680.4683        | 5.2300e-003   |     | 680.5781        |
| 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       | 0.0445        | 0.0598        | 0.6246        | 1.9800e-003        | 0.1677        | 1.2800e-003   | 0.1690        | 0.0445         | 1.1900e-003   | 0.0457        |          | 142.9673        | 142.9673        | 6.9500e-003   |     | 143.1132        |
| <b>Total</b> | <b>0.2004</b> | <b>2.0511</b> | <b>2.6459</b> | <b>9.2200e-003</b> | <b>0.3403</b> | <b>0.0403</b> | <b>0.3806</b> | <b>0.0917</b>  | <b>0.0371</b> | <b>0.1288</b> |          | <b>823.4356</b> | <b>823.4356</b> | <b>0.0122</b> |     | <b>823.6914</b> |

**3.13 Phase Four: Grading - 2020**

**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 |               |                |                |               | 6.1827        | 0.0000        | 6.1827        | 3.3340         | 0.0000        | 3.3340        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 4.5501        | 49.3839        | 38.4257        | 0.0617        |               | 2.2619        | 2.2619        |                | 2.0810        | 2.0810        |          | 5,977.7088        | 5,977.7088        | 1.9333        |     | 6,018.3084        |
| <b>Total</b>  | <b>4.5501</b> | <b>49.3839</b> | <b>38.4257</b> | <b>0.0617</b> | <b>6.1827</b> | <b>2.2619</b> | <b>8.4447</b> | <b>3.3340</b>  | <b>2.0810</b> | <b>5.4149</b> |          | <b>5,977.7088</b> | <b>5,977.7088</b> | <b>1.9333</b> |     | <b>6,018.3084</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      | 2.5564        | 32.6529        | 33.1448        | 0.1187        | 2.8300        | 0.6403        | 3.4703        | 0.7751         | 0.5890        | 1.3641        |          | 11,158.1446        | 11,158.1446        | 0.0858        |     | 11,159.9455        |
| 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       | 0.0593        | 0.0797         | 0.8328         | 2.6400e-003   | 0.2236        | 1.7100e-003   | 0.2253        | 0.0593         | 1.5800e-003   | 0.0609        |          | 190.6230           | 190.6230           | 9.2700e-003   |     | 190.8176           |
| <b>Total</b> | <b>2.6157</b> | <b>32.7327</b> | <b>33.9776</b> | <b>0.1213</b> | <b>3.0536</b> | <b>0.6420</b> | <b>3.6955</b> | <b>0.8344</b>  | <b>0.5906</b> | <b>1.4250</b> |          | <b>11,348.7676</b> | <b>11,348.7676</b> | <b>0.0950</b> |     | <b>11,350.7631</b> |

**3.13 Phase Four: Grading - 2020**

**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 |               |               |                |               | 2.7822        | 0.0000        | 2.7822        | 1.5003         | 0.0000        | 1.5003        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.7564        | 3.2778        | 34.7787        | 0.0617        |               | 0.0151        | 0.0151        |                | 0.0151        | 0.0151        | 0.0000        | 5,977.7088        | 5,977.7088        | 1.9333        |     | 6,018.3084        |
| <b>Total</b>  | <b>0.7564</b> | <b>3.2778</b> | <b>34.7787</b> | <b>0.0617</b> | <b>2.7822</b> | <b>0.0151</b> | <b>2.7974</b> | <b>1.5003</b>  | <b>0.0151</b> | <b>1.5154</b> | <b>0.0000</b> | <b>5,977.7088</b> | <b>5,977.7088</b> | <b>1.9333</b> |     | <b>6,018.3084</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      | 2.5564        | 32.6529        | 33.1448        | 0.1187        | 2.8300        | 0.6403        | 3.4703        | 0.7751         | 0.5890        | 1.3641        |          | 11,158.1446        | 11,158.1446        | 0.0858        |     | 11,159.9455        |
| 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       | 0.0593        | 0.0797         | 0.8328         | 2.6400e-003   | 0.2236        | 1.7100e-003   | 0.2253        | 0.0593         | 1.5800e-003   | 0.0609        |          | 190.6230           | 190.6230           | 9.2700e-003   |     | 190.8176           |
| <b>Total</b> | <b>2.6157</b> | <b>32.7327</b> | <b>33.9776</b> | <b>0.1213</b> | <b>3.0536</b> | <b>0.6420</b> | <b>3.6955</b> | <b>0.8344</b>  | <b>0.5906</b> | <b>1.4250</b> |          | <b>11,348.7676</b> | <b>11,348.7676</b> | <b>0.0950</b> |     | <b>11,350.7631</b> |

**3.14 Phase Four: Construction - 2020**

**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     | 2.1113        | 19.0839        | 16.8084        | 0.0268        |               | 1.1128        | 1.1128        |                | 1.0465        | 1.0465        |          | 2,542.4799        | 2,542.4799        | 0.6194        |     | 2,555.4880        |
| <b>Total</b> | <b>2.1113</b> | <b>19.0839</b> | <b>16.8084</b> | <b>0.0268</b> |               | <b>1.1128</b> | <b>1.1128</b> |                | <b>1.0465</b> | <b>1.0465</b> |          | <b>2,542.4799</b> | <b>2,542.4799</b> | <b>0.6194</b> |     | <b>2,555.4880</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       | 2.4711        | 21.0238        | 36.2044        | 0.0759        | 2.2136         | 0.3707        | 2.5843         | 0.6305         | 0.3411        | 0.9716        |          | 7,095.2018         | 7,095.2018         | 0.0526        |     | 7,096.3052         |
| Worker       | 3.3871        | 4.5574         | 47.5953        | 0.1512        | 12.7760        | 0.0976        | 12.8737        | 3.3883         | 0.0905        | 3.4788        |          | 10,894.1068        | 10,894.1068        | 0.5296        |     | 10,905.2280        |
| <b>Total</b> | <b>5.8582</b> | <b>25.5811</b> | <b>83.7997</b> | <b>0.2270</b> | <b>14.9896</b> | <b>0.4684</b> | <b>15.4580</b> | <b>4.0188</b>  | <b>0.4316</b> | <b>4.4504</b> |          | <b>17,989.3085</b> | <b>17,989.3085</b> | <b>0.5821</b> |     | <b>18,001.5333</b> |



**3.14 Phase Four: Construction - 2020**

**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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,542.4799        | 2,542.4799        | 0.6194        |     | 2,555.4880        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,542.4799</b> | <b>2,542.4799</b> | <b>0.6194</b> |     | <b>2,555.4880</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       | 2.4711        | 21.0238        | 36.2044        | 0.0759        | 2.2136         | 0.3707        | 2.5843         | 0.6305         | 0.3411        | 0.9716        |          | 7,095.2018         | 7,095.2018         | 0.0526        |     | 7,096.3052         |
| Worker       | 3.3871        | 4.5574         | 47.5953        | 0.1512        | 12.7760        | 0.0976        | 12.8737        | 3.3883         | 0.0905        | 3.4788        |          | 10,894.1068        | 10,894.1068        | 0.5296        |     | 10,905.2280        |
| <b>Total</b> | <b>5.8582</b> | <b>25.5811</b> | <b>83.7997</b> | <b>0.2270</b> | <b>14.9896</b> | <b>0.4684</b> | <b>15.4580</b> | <b>4.0188</b>  | <b>0.4316</b> | <b>4.4504</b> |          | <b>17,989.3085</b> | <b>17,989.3085</b> | <b>0.5821</b> |     | <b>18,001.5333</b> |

**3.14 Phase Four: 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     | 1.8931        | 17.3403        | 16.5376        | 0.0268        |               | 0.9549        | 0.9549        |                | 0.8979        | 0.8979        |          | 2,542.7817        | 2,542.7817        | 0.6126        |     | 2,555.6462        |
| <b>Total</b> | <b>1.8931</b> | <b>17.3403</b> | <b>16.5376</b> | <b>0.0268</b> |               | <b>0.9549</b> | <b>0.9549</b> |                | <b>0.8979</b> | <b>0.8979</b> |          | <b>2,542.7817</b> | <b>2,542.7817</b> | <b>0.6126</b> |     | <b>2,555.6462</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       | 2.3842        | 17.8517        | 35.3378        | 0.0758        | 2.2136         | 0.3377        | 2.5513         | 0.6305         | 0.3107        | 0.9412        |          | 7,092.0130         | 7,092.0130         | 0.0530        |     | 7,093.1258         |
| Worker       | 3.2044        | 4.2598         | 44.6876        | 0.1515        | 12.7760        | 0.0977        | 12.8738        | 3.3883         | 0.0906        | 3.4789        |          | 10,724.6567        | 10,724.6567        | 0.5069        |     | 10,735.3020        |
| <b>Total</b> | <b>5.5886</b> | <b>22.1115</b> | <b>80.0254</b> | <b>0.2273</b> | <b>14.9896</b> | <b>0.4355</b> | <b>15.4251</b> | <b>4.0188</b>  | <b>0.4014</b> | <b>4.4201</b> |          | <b>17,816.6696</b> | <b>17,816.6696</b> | <b>0.5599</b> |     | <b>17,828.4278</b> |

**3.14 Phase Four: Construction - 2021**

**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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,542.7817        | 2,542.7817        | 0.6126        |     | 2,555.6462        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,542.7817</b> | <b>2,542.7817</b> | <b>0.6126</b> |     | <b>2,555.6462</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       | 2.3842        | 17.8517        | 35.3378        | 0.0758        | 2.2136         | 0.3377        | 2.5513         | 0.6305         | 0.3107        | 0.9412        |          | 7,092.0130         | 7,092.0130         | 0.0530        |     | 7,093.1258         |
| Worker       | 3.2044        | 4.2598         | 44.6876        | 0.1515        | 12.7760        | 0.0977        | 12.8738        | 3.3883         | 0.0906        | 3.4789        |          | 10,724.6567        | 10,724.6567        | 0.5069        |     | 10,735.3020        |
| <b>Total</b> | <b>5.5886</b> | <b>22.1115</b> | <b>80.0254</b> | <b>0.2273</b> | <b>14.9896</b> | <b>0.4355</b> | <b>15.4251</b> | <b>4.0188</b>  | <b>0.4014</b> | <b>4.4201</b> |          | <b>17,816.6696</b> | <b>17,816.6696</b> | <b>0.5599</b> |     | <b>17,828.4278</b> |

**3.14 Phase Four: Construction - 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     | 1.6992        | 15.5364        | 16.3276        | 0.0268        |               | 0.8057        | 0.8057        |                | 0.7581        | 0.7581        |          | 2,543.7497        | 2,543.7497        | 0.6085        |     | 2,556.5286        |
| <b>Total</b> | <b>1.6992</b> | <b>15.5364</b> | <b>16.3276</b> | <b>0.0268</b> |               | <b>0.8057</b> | <b>0.8057</b> |                | <b>0.7581</b> | <b>0.7581</b> |          | <b>2,543.7497</b> | <b>2,543.7497</b> | <b>0.6085</b> |     | <b>2,556.5286</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       | 2.3306        | 16.2058        | 34.5106        | 0.0757        | 2.2136         | 0.3340        | 2.5476         | 0.6305         | 0.3073        | 0.9378        |          | 7,085.6561         | 7,085.6561         | 0.0542        |     | 7,086.7937         |
| Worker       | 3.0346        | 3.9943         | 42.0012        | 0.1514        | 12.7760        | 0.0977        | 12.8737        | 3.3883         | 0.0906        | 3.4788        |          | 10,546.3434        | 10,546.3434        | 0.4854        |     | 10,556.5364        |
| <b>Total</b> | <b>5.3652</b> | <b>20.2001</b> | <b>76.5118</b> | <b>0.2272</b> | <b>14.9897</b> | <b>0.4317</b> | <b>15.4213</b> | <b>4.0188</b>  | <b>0.3979</b> | <b>4.4166</b> |          | <b>17,631.9996</b> | <b>17,631.9996</b> | <b>0.5396</b> |     | <b>17,643.3301</b> |

**3.14 Phase Four: Construction - 2022**

**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     | 0.3265        | 2.2289        | 17.4110        | 0.0268        |               | 6.0900e-003        | 6.0900e-003        |                | 6.0900e-003        | 6.0900e-003        | 0.0000        | 2,543.7497        | 2,543.7497        | 0.6085        |     | 2,556.5286        |
| <b>Total</b> | <b>0.3265</b> | <b>2.2289</b> | <b>17.4110</b> | <b>0.0268</b> |               | <b>6.0900e-003</b> | <b>6.0900e-003</b> |                | <b>6.0900e-003</b> | <b>6.0900e-003</b> | <b>0.0000</b> | <b>2,543.7497</b> | <b>2,543.7497</b> | <b>0.6085</b> |     | <b>2,556.5286</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       | 2.3306        | 16.2058        | 34.5106        | 0.0757        | 2.2136         | 0.3340        | 2.5476         | 0.6305         | 0.3073        | 0.9378        |          | 7,085.6561         | 7,085.6561         | 0.0542        |     | 7,086.7937         |
| Worker       | 3.0346        | 3.9943         | 42.0012        | 0.1514        | 12.7760        | 0.0977        | 12.8737        | 3.3883         | 0.0906        | 3.4788        |          | 10,546.3434        | 10,546.3434        | 0.4854        |     | 10,556.5364        |
| <b>Total</b> | <b>5.3652</b> | <b>20.2001</b> | <b>76.5118</b> | <b>0.2272</b> | <b>14.9897</b> | <b>0.4317</b> | <b>15.4213</b> | <b>4.0188</b>  | <b>0.3979</b> | <b>4.4166</b> |          | <b>17,631.9996</b> | <b>17,631.9996</b> | <b>0.5396</b> |     | <b>17,643.3301</b> |

**3.15 Phase Four: 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 | 57.6079        |               |               |                    |               | 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        |     | 281.8537        |
| <b>Total</b>    | <b>57.8268</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>281.8537</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       | 0.6420        | 0.8535        | 8.9532        | 0.0303        | 2.5597        | 0.0196        | 2.5793        | 0.6788         | 0.0182        | 0.6970        |          | 2,148.6845        | 2,148.6845        | 0.1016        |     | 2,150.8173        |
| <b>Total</b> | <b>0.6420</b> | <b>0.8535</b> | <b>8.9532</b> | <b>0.0303</b> | <b>2.5597</b> | <b>0.0196</b> | <b>2.5793</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6970</b> |          | <b>2,148.6845</b> | <b>2,148.6845</b> | <b>0.1016</b> |     | <b>2,150.8173</b> |

**3.15 Phase Four: Architectural Coating - 2021**

**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 | 57.6079        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.0297         | 0.1288        | 1.8324        | 2.9700e-003        |               | 5.9000e-004        | 5.9000e-004        |                | 5.9000e-004        | 5.9000e-004        | 0.0000        | 281.4481        | 281.4481        | 0.0193        |     | 281.8537        |
| <b>Total</b>    | <b>57.6376</b> | <b>0.1288</b> | <b>1.8324</b> | <b>2.9700e-003</b> |               | <b>5.9000e-004</b> | <b>5.9000e-004</b> |                | <b>5.9000e-004</b> | <b>5.9000e-004</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0193</b> |     | <b>281.8537</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       | 0.6420        | 0.8535        | 8.9532        | 0.0303        | 2.5597        | 0.0196        | 2.5793        | 0.6788         | 0.0182        | 0.6970        |          | 2,148.6845        | 2,148.6845        | 0.1016        |     | 2,150.8173        |
| <b>Total</b> | <b>0.6420</b> | <b>0.8535</b> | <b>8.9532</b> | <b>0.0303</b> | <b>2.5597</b> | <b>0.0196</b> | <b>2.5793</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6970</b> |          | <b>2,148.6845</b> | <b>2,148.6845</b> | <b>0.1016</b> |     | <b>2,150.8173</b> |

**3.15 Phase Four: 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        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 57.6079        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045         | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        |          | 281.4481        | 281.4481        | 0.0183        |     | 281.8329        |
| <b>Total</b>    | <b>57.8124</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.8329</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       | 0.6080        | 0.8003        | 8.4149        | 0.0303        | 2.5597        | 0.0196        | 2.5792        | 0.6788         | 0.0182        | 0.6970        |          | 2,112.9595        | 2,112.9595        | 0.0973        |     | 2,115.0016        |
| <b>Total</b> | <b>0.6080</b> | <b>0.8003</b> | <b>8.4149</b> | <b>0.0303</b> | <b>2.5597</b> | <b>0.0196</b> | <b>2.5792</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6970</b> |          | <b>2,112.9595</b> | <b>2,112.9595</b> | <b>0.0973</b> |     | <b>2,115.0016</b> |



**3.15 Phase Four: Architectural Coating - 2022**

**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 | 57.6079        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.0297         | 0.1288        | 1.8324        | 2.9700e-003        |               | 5.9000e-004        | 5.9000e-004        |                | 5.9000e-004        | 5.9000e-004        | 0.0000        | 281.4481        | 281.4481        | 0.0183        |     | 281.8329        |
| <b>Total</b>    | <b>57.6376</b> | <b>0.1288</b> | <b>1.8324</b> | <b>2.9700e-003</b> |               | <b>5.9000e-004</b> | <b>5.9000e-004</b> |                | <b>5.9000e-004</b> | <b>5.9000e-004</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.8329</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       | 0.6080        | 0.8003        | 8.4149        | 0.0303        | 2.5597        | 0.0196        | 2.5792        | 0.6788         | 0.0182        | 0.6970        |          | 2,112.9595        | 2,112.9595        | 0.0973        |     | 2,115.0016        |
| <b>Total</b> | <b>0.6080</b> | <b>0.8003</b> | <b>8.4149</b> | <b>0.0303</b> | <b>2.5597</b> | <b>0.0196</b> | <b>2.5792</b> | <b>0.6788</b>  | <b>0.0182</b> | <b>0.6970</b> |          | <b>2,112.9595</b> | <b>2,112.9595</b> | <b>0.0973</b> |     | <b>2,115.0016</b> |

**3.16 Phase Four: 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     | 1.0815        | 10.9108        | 14.2815        | 0.0223        |               | 0.5577        | 0.5577        |                | 0.5131        | 0.5131        |          | 2,160.6869        | 2,160.6869        | 0.6988        |     | 2,175.3619        |
| Paving       | 0.0000        |                |                |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>1.0815</b> | <b>10.9108</b> | <b>14.2815</b> | <b>0.0223</b> |               | <b>0.5577</b> | <b>0.5577</b> |                | <b>0.5131</b> | <b>0.5131</b> |          | <b>2,160.6869</b> | <b>2,160.6869</b> | <b>0.6988</b> |     | <b>2,175.3619</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       | 0.0398        | 0.0524        | 0.5512        | 1.9900e-003        | 0.1677        | 1.2800e-003        | 0.1690        | 0.0445         | 1.1900e-003        | 0.0457        |          | 138.4035        | 138.4035        | 6.3700e-003        |     | 138.5372        |
| <b>Total</b> | <b>0.0398</b> | <b>0.0524</b> | <b>0.5512</b> | <b>1.9900e-003</b> | <b>0.1677</b> | <b>1.2800e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.1900e-003</b> | <b>0.0457</b> |          | <b>138.4035</b> | <b>138.4035</b> | <b>6.3700e-003</b> |     | <b>138.5372</b> |

**3.16 Phase Four: Paving - 2022**

**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     | 0.2745        | 1.1895        | 16.9276        | 0.0223        |               | 5.4900e-003        | 5.4900e-003        |                | 5.4900e-003        | 5.4900e-003        | 0.0000        | 2,160.6869        | 2,160.6869        | 0.6988        |     | 2,175.3619        |
| Paving       | 0.0000        |               |                |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.2745</b> | <b>1.1895</b> | <b>16.9276</b> | <b>0.0223</b> |               | <b>5.4900e-003</b> | <b>5.4900e-003</b> |                | <b>5.4900e-003</b> | <b>5.4900e-003</b> | <b>0.0000</b> | <b>2,160.6869</b> | <b>2,160.6869</b> | <b>0.6988</b> |     | <b>2,175.3619</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       | 0.0398        | 0.0524        | 0.5512        | 1.9900e-003        | 0.1677        | 1.2800e-003        | 0.1690        | 0.0445         | 1.1900e-003        | 0.0457        |          | 138.4035        | 138.4035        | 6.3700e-003        |     | 138.5372        |
| <b>Total</b> | <b>0.0398</b> | <b>0.0524</b> | <b>0.5512</b> | <b>1.9900e-003</b> | <b>0.1677</b> | <b>1.2800e-003</b> | <b>0.1690</b> | <b>0.0445</b>  | <b>1.1900e-003</b> | <b>0.0457</b> |          | <b>138.4035</b> | <b>138.4035</b> | <b>6.3700e-003</b> |     | <b>138.5372</b> |

**4.0 Operational Detail - Mobile**

### 4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

Provide Riade Sharing Program

|             | 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   | 53.1204 | 99.4005  | 459.8599 | 1.2697 | 86.8310       | 1.7747       | 88.6057    | 23.2043        | 1.6375        | 24.8418     |          | 96,203.04<br>37  | 96,203.04<br>37  | 3.3728 |     | 96,273.87<br>24  |
| Unmitigated | 58.5172 | 137.4439 | 589.8664 | 1.8868 | 131.0810      | 2.5774       | 133.6584   | 35.0295        | 2.3777        | 37.4072     |          | 143,001.9<br>016 | 143,001.9<br>016 | 4.8759 |     | 143,104.2<br>958 |

### 4.2 Trip Summary Information

| Land Use                            | Average Daily Trip Rate |                  |                  | Unmitigated       | Mitigated         |
|-------------------------------------|-------------------------|------------------|------------------|-------------------|-------------------|
|                                     | Weekday                 | Saturday         | Sunday           | Annual VMT        | Annual VMT        |
| City Park                           | 110.95                  | 110.95           | 110.95           | 319,263           | 209,450           |
| Condo/Townhouse High Rise           | 1,176.00                | 1,432.00         | 1214.00          | 4,162,091         | 2,881,466         |
| Condo/Townhouse High Rise           | 3,410.40                | 4,152.80         | 3520.60          | 12,070,064        | 8,356,252         |
| Enclosed Parking with Elevator      | 0.00                    | 0.00             | 0.00             |                   |                   |
| Enclosed Parking with Elevator      | 0.00                    | 0.00             | 0.00             |                   |                   |
| Enclosed Parking with Elevator      | 0.00                    | 0.00             | 0.00             |                   |                   |
| Government (Civic Center)           | 6,126.41                | 0.00             | 0.00             | 13,513,671        | 8,716,444         |
| High Turnover (Sit Down Restaurant) | 1,017.20                | 1,266.96         | 1054.72          | 1,442,202         | 950,727           |
| Hotel                               | 1,634.00                | 1,638.00         | 1190.00          | 3,749,016         | 2,465,413         |
| Library                             | 3,533.72                | 4,282.60         | 2345.08          | 8,762,925         | 5,655,704         |
| Regional Shopping Center            | 3,238.08                | 1,599.04         | 807.68           | 5,746,096         | 3,781,132         |
| <b>Total</b>                        | <b>20,246.76</b>        | <b>14,482.35</b> | <b>10,243.03</b> | <b>49,765,327</b> | <b>33,016,588</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-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| City Park                      | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 66             | 28       | 6       |
| Condo/Townhouse High Rise      | 14.70      | 5.90       | 8.70        | 40.20      | 19.20      | 40.60       | 86             | 11       | 3       |
| Condo/Townhouse High Rise      | 14.70      | 5.90       | 8.70        | 40.20      | 19.20      | 40.60       | 86             | 11       | 3       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Government (Civic Center)      | 16.60      | 8.40       | 6.90        | 75.00      | 20.00      | 5.00        | 50             | 34       | 16      |
| High Turnover (Sit Down)       | 16.60      | 8.40       | 6.90        | 8.50       | 72.50      | 19.00       | 37             | 20       | 43      |
| Hotel                          | 16.60      | 8.40       | 6.90        | 19.40      | 61.60      | 19.00       | 58             | 38       | 4       |
| Library                        | 16.60      | 8.40       | 6.90        | 52.00      | 43.00      | 5.00        | 44             | 44       | 12      |
| Regional Shopping Center       | 16.60      | 8.40       | 6.90        | 16.30      | 64.70      | 19.00       | 54             | 35       | 11      |

| LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.504606 | 0.059848 | 0.182048 | 0.140509 | 0.043346 | 0.006835 | 0.016277 | 0.034901 | 0.001966 | 0.002503 | 0.004308 | 0.000568 | 0.002288 |

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable 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               | lb/day |        |        |        |               |              |            |                |               |             | lb/day   |            |            |        |        |            |
| NaturalGas Mitigated   | 0.7056 | 6.2626 | 4.2717 | 0.0385 |               | 0.4875       | 0.4875     |                | 0.4875        | 0.4875      |          | 7,697.8178 | 7,697.8178 | 0.1475 | 0.1411 | 7,744.6655 |
| NaturalGas Unmitigated | 0.8404 | 7.4592 | 5.0899 | 0.0458 |               | 0.5807       | 0.5807     |                | 0.5807        | 0.5807      |          | 9,168.3897 | 9,168.3897 | 0.1757 | 0.1681 | 9,224.1869 |

### 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   |                   |                   |               |               |                   |
| Condo/Townhouse High Rise           | 22891.8        | 0.2469        | 2.1096        | 0.8977        | 0.0135        |               | 0.1706        | 0.1706        |                | 0.1706        | 0.1706        |          | 2,693.1499        | 2,693.1499        | 0.0516        | 0.0494        | 2,709.5399        |
| Condo/Townhouse High Rise           | 7893.72        | 0.0851        | 0.7275        | 0.3096        | 4.6400e-003   |               | 0.0588        | 0.0588        |                | 0.0588        | 0.0588        |          | 928.6724          | 928.6724          | 0.0178        | 0.0170        | 934.3241          |
| Enclosed Parking with Elevator      | 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            |
| Government (Civic Center)           | 17242.2        | 0.1860        | 1.6904        | 1.4200        | 0.0101        |               | 0.1285        | 0.1285        |                | 0.1285        | 0.1285        |          | 2,028.4988        | 2,028.4988        | 0.0389        | 0.0372        | 2,040.8439        |
| High Turnover (Sit Down Restaurant) | 5107.07        | 0.0551        | 0.5007        | 0.4206        | 3.0000e-003   |               | 0.0381        | 0.0381        |                | 0.0381        | 0.0381        |          | 600.8316          | 600.8316          | 0.0115        | 0.0110        | 604.4882          |
| Hotel                               | 19906.3        | 0.2147        | 1.9516        | 1.6393        | 0.0117        |               | 0.1483        | 0.1483        |                | 0.1483        | 0.1483        |          | 2,341.9204        | 2,341.9204        | 0.0449        | 0.0429        | 2,356.1729        |
| Library                             | 4741.15        | 0.0511        | 0.4648        | 0.3905        | 2.7900e-003   |               | 0.0353        | 0.0353        |                | 0.0353        | 0.0353        |          | 557.7824          | 557.7824          | 0.0107        | 0.0102        | 561.1770          |
| Regional Shopping Center            | 149.041        | 1.6100e-003   | 0.0146        | 0.0123        | 9.0000e-005   |               | 1.1100e-003   | 1.1100e-003   |                | 1.1100e-003   | 1.1100e-003   |          | 17.5343           | 17.5343           | 3.4000e-004   | 3.2000e-004   | 17.6410           |
| City Park                           | 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>0.8405</b> | <b>7.4592</b> | <b>5.0899</b> | <b>0.0458</b> |               | <b>0.5807</b> | <b>0.5807</b> |                | <b>0.5807</b> | <b>0.5807</b> |          | <b>9,168.3897</b> | <b>9,168.3897</b> | <b>0.1757</b> | <b>0.1681</b> | <b>9,224.1869</b> |

### 5.2 Energy by Land Use - NaturalGas

#### 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   |                   |                   |               |               |                   |
| Condo/Townhouse High Rise           | 19.2513        | 0.2076        | 1.7741        | 0.7550        | 0.0113        |               | 0.1434        | 0.1434        |                | 0.1434        | 0.1434        |          | 2,264.8554        | 2,264.8554        | 0.0434        | 0.0415        | 2,278.6390        |
| Condo/Townhouse High Rise           | 6.63837        | 0.0716        | 0.6118        | 0.2603        | 3.9000e-003   |               | 0.0495        | 0.0495        |                | 0.0495        | 0.0495        |          | 780.9846          | 780.9846          | 0.0150        | 0.0143        | 785.7376          |
| Enclosed Parking with Elevator      | 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            |
| Government (Civic Center)           | 13.9168        | 0.1501        | 1.3644        | 1.1461        | 8.1900e-003   |               | 0.1037        | 0.1037        |                | 0.1037        | 0.1037        |          | 1,637.2751        | 1,637.2751        | 0.0314        | 0.0300        | 1,647.2392        |
| High Turnover (Sit Down Restaurant) | 4.9088         | 0.0529        | 0.4813        | 0.4043        | 2.8900e-003   |               | 0.0366        | 0.0366        |                | 0.0366        | 0.0366        |          | 577.5059          | 577.5059          | 0.0111        | 0.0106        | 581.0205          |
| Hotel                               | 16.5711        | 0.1787        | 1.6246        | 1.3647        | 9.7500e-003   |               | 0.1235        | 0.1235        |                | 0.1235        | 0.1235        |          | 1,949.5411        | 1,949.5411        | 0.0374        | 0.0357        | 1,961.4057        |
| Library                             | 4.01725        | 0.0433        | 0.3939        | 0.3308        | 2.3600e-003   |               | 0.0299        | 0.0299        |                | 0.0299        | 0.0299        |          | 472.6176          | 472.6176          | 9.0600e-003   | 8.6600e-003   | 475.4938          |
| Regional Shopping Center            | 0.127825       | 1.3800e-003   | 0.0125        | 0.0105        | 8.0000e-005   |               | 9.5000e-004   | 9.5000e-004   |                | 9.5000e-004   | 9.5000e-004   |          | 15.0382           | 15.0382           | 2.9000e-004   | 2.8000e-004   | 15.1297           |
| City Park                           | 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>0.7056</b> | <b>6.2626</b> | <b>4.2717</b> | <b>0.0385</b> |               | <b>0.4875</b> | <b>0.4875</b> |                | <b>0.4875</b> | <b>0.4875</b> |          | <b>7,697.8178</b> | <b>7,697.8178</b> | <b>0.1476</b> | <b>0.1411</b> | <b>7,744.6655</b> |

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area



Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

|             | 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   | 56.8760 | 0.6697 | 56.9957 | 2.8200e-003 |               | 0.3101       | 0.3101     |                | 0.3101        | 0.3101      | 0.0000   | 98.8792   | 98.8792   | 0.0869 | 0.0000 | 100.7050 |
| Unmitigated | 64.8879 | 0.7490 | 64.8110 | 3.4200e-003 |               | 0.3559       | 0.3559     |                | 0.3559        | 0.3559      | 0.0000   | 116.3950  | 116.3950  | 0.1144 | 0.0000 | 118.7972 |

### 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 | 11.1241        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |               | 0.0000          |
| Consumer Products     | 51.7746        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |               | 0.0000          |
| Hearth                | 0.0000         | 0.0000        | 0.0000         | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Landscaping           | 1.9892         | 0.7490        | 64.8110        | 3.4200e-003        |               | 0.3559        | 0.3559        |                | 0.3559        | 0.3559        |               | 116.3950        | 116.3950        | 0.1144        |               | 118.7972        |
| <b>Total</b>          | <b>64.8879</b> | <b>0.7490</b> | <b>64.8110</b> | <b>3.4200e-003</b> |               | <b>0.3559</b> | <b>0.3559</b> |                | <b>0.3559</b> | <b>0.3559</b> | <b>0.0000</b> | <b>116.3950</b> | <b>116.3950</b> | <b>0.1144</b> | <b>0.0000</b> | <b>118.7972</b> |

## 6.2 Area by SubCategory

### 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 | 3.5824         |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |               | 0.0000          |
| Consumer Products     | 51.7746        |               |                |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                | 0.0000         |               |               | 0.0000          |
| Hearth                | 0.0000         | 0.0000        | 0.0000         | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000          |
| Landscaping           | 1.5190         | 0.6697        | 56.9957        | 2.8200e-003        |               | 0.3101        | 0.3101        |                | 0.3101        | 0.3101        |               | 98.8792        | 98.8792        | 0.0869        |               | 100.7050        |
| <b>Total</b>          | <b>56.8760</b> | <b>0.6697</b> | <b>56.9957</b> | <b>2.8200e-003</b> |               | <b>0.3101</b> | <b>0.3101</b> |                | <b>0.3101</b> | <b>0.3101</b> | <b>0.0000</b> | <b>98.8792</b> | <b>98.8792</b> | <b>0.0869</b> | <b>0.0000</b> | <b>100.7050</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

## 9.0 Operational Offroad

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

## 10.0 Vegetation

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**Reduced Density Alternative  
Long Beach Civic Center  
South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

| Land Uses                           | Size   | Metric        | Lot Acreage | Floor Surface Area | Population |
|-------------------------------------|--------|---------------|-------------|--------------------|------------|
| Government (Civic Center)           | 547.00 | 1000sqft      | 3.78        | 547,003.00         | 0          |
| Library                             | 87.40  | 1000sqft      | 1.73        | 87,400.00          | 0          |
| Enclosed Parking with Elevator      | 509.00 | Space         | 0.00        | 203,600.00         | 0          |
| Enclosed Parking with Elevator      | 250.00 | Space         | 0.00        | 100,000.00         | 0          |
| Enclosed Parking with Elevator      | 725.00 | Space         | 0.00        | 290,000.00         | 0          |
| City Park                           | 3.17   | Acre          | 3.17        | 138,085.20         | 0          |
| High Turnover (Sit Down Restaurant) | 7.60   | 1000sqft      | 0.00        | 7,600.00           | 0          |
| Hotel                               | 190.00 | Room          | 0.00        | 275,880.00         | 0          |
| Condo/Townhouse High Rise           | 190.00 | Dwelling Unit | 0.90        | 223,250.00         | 543        |
| Condo/Townhouse High Rise           | 551.00 | Dwelling Unit | 6.29        | 617,500.00         | 1576       |
| Regional Shopping Center            | 30.40  | 1000sqft      | 0.00        | 30,400.00          | 0          |

**1.2 Other Project Characteristics**

|                                 |                            |                                 |       |                                  |       |
|---------------------------------|----------------------------|---------------------------------|-------|----------------------------------|-------|
| <b>Urbanization</b>             | Urban                      | <b>Wind Speed (m/s)</b>         | 2.2   | <b>Precipitation Freq (Days)</b> | 31    |
| <b>Climate Zone</b>             | 9                          |                                 |       | <b>Operational Year</b>          | 2020  |
| <b>Utility Company</b>          | Southern California Edison |                                 |       |                                  |       |
| <b>CO2 Intensity (lb/MW hr)</b> | 630.89                     | <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 - Civic Center includes City Hall, Port Bldg, and plaza. Total lot acreage divided by uses (estimated from site plan). SF from PD. Reduced by 5%.

Construction Phase - Construction Schedule from applicant provided material. Courthouse Demolition assumed to occur before grading begins.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Demolition - Demolition includes City Hall, Library, and Old Courthouse.

Grading - Grading area estimated from export study.

Architectural Coating - Use of low-VOC paint (150 g/L for nonflat coatings) as required by SCAQMD Rule 1113. SF updated based on phasing. Reduced by 5% for Alt.

Vehicle Trips - Trip rates from LLG Traffic Study (Appendix E).

Woodstoves - Assumed compliance with SCAQMD's Healthy Hearths Initiative Rule 445 - wood burning devices cannot be installed in new developments.

Area Coating - Use of low-VOC paint (150 g/L for nonflat coatings) as required by SCAQMD Rule 1113. Non-residential SF does not include park.

Construction Off-road Equipment Mitigation - Assumed compliance with SCAQMD Fugitive Dust Rule 403 and Downtown Plan EIR Mitigation Measure AQ-1(c).

Mobile Land Use Mitigation - Approx. 107 du/acre (Center Block and Third and Pacific Block). Project site in Downtown.

Mobile Commute Mitigation - Assumed compliance with Downtown Plan EIR Mitigation Measure AQ-2.

Area Mitigation - Use of low-VOC paint (150 g/L for nonflat coatings) SCAQMD Rule 1113. Assumed compliance with MM AQ-3.

Energy Mitigation - Assumed compliance with DP EIR MM AQ-2 and MM GHG-2(b). Light energy reduction [https://www.energystar.gov/index.cfm?c=ssl.pr\\_why\\_es\\_com](https://www.energystar.gov/index.cfm?c=ssl.pr_why_es_com)

Water Mitigation - Assumed compliance with DP EIR MM GHG-2(b)

Waste Mitigation -

| Table Name              | Column Name                       | Default Value | New Value    |
|-------------------------|-----------------------------------|---------------|--------------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 839,984.00    | 413,911.70   |
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 839,984.00    | 47,500.00    |
| tblArchitecturalCoating | ConstArea_Nonresidential_Exterior | 839,984.00    | 294,690.00   |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 2,519,952.00  | 1,241,735.00 |
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior | 2,519,952.00  | 142,500.00   |

|                         |   |              |              |
|-------------------------|---|--------------|--------------|
| tblArchitecturalCoating | ConstArea_Nonresidential_Interior         | 2,519,952.00 | 884,070.00   |
| tblArchitecturalCoating | ConstArea_Residential_Exterior            | 567,506.00   | 0.00         |
| tblArchitecturalCoating | ConstArea_Residential_Exterior            | 567,506.00   | 150,693.80   |
| tblArchitecturalCoating | ConstArea_Residential_Exterior            | 567,506.00   | 416,812.50   |
| tblArchitecturalCoating | ConstArea_Residential_Interior            | 1,702,519.00 | 0.00         |
| tblArchitecturalCoating | ConstArea_Residential_Interior            | 1,702,519.00 | 452,081.30   |
| tblArchitecturalCoating | ConstArea_Residential_Interior            | 1,702,519.00 | 1,250,438.00 |
| tblArchitecturalCoating | EF_Nonresidential_Exterior                | 250.00       | 150.00       |
| tblArchitecturalCoating | EF_Nonresidential_Exterior                | 250.00       | 150.00       |
| tblArchitecturalCoating | EF_Nonresidential_Exterior                | 250.00       | 150.00       |
| tblArchitecturalCoating | EF_Nonresidential_Interior                | 250.00       | 150.00       |
| tblArchitecturalCoating | EF_Nonresidential_Interior                | 250.00       | 150.00       |
| tblArchitecturalCoating | EF_Nonresidential_Interior                | 250.00       | 150.00       |
| tblAreaCoating          | Area_EF_Nonresidential_Exterior           | 250          | 150          |
| tblAreaCoating          | Area_Nonresidential_Interior              | 2519952      | 2268305      |
| tblAreaMitigation       | UseLowVOCPaintNonresidentialExteriorValue | 150          | 50           |
| tblAreaMitigation       | UseLowVOCPaintNonresidentialInteriorValue | 250          | 50           |
| tblAreaMitigation       | UseLowVOCPaintResidentialExteriorValue    | 100          | 50           |
| tblConstructionPhase    | NumDays                                   | 20.00        | 238.00       |
| tblConstructionPhase    | NumDays                                   | 20.00        | 132.00       |
| tblConstructionPhase    | NumDays                                   | 20.00        | 349.00       |
| tblConstructionPhase    | NumDays                                   | 300.00       | 87.00        |
| tblConstructionPhase    | NumDays                                   | 300.00       | 346.00       |
| tblConstructionPhase    | NumDays                                   | 300.00       | 694.00       |
| tblConstructionPhase    | NumDays                                   | 20.00        | 86.00        |
| tblConstructionPhase    | NumDays                                   | 20.00        | 130.00       |
| tblConstructionPhase    | NumDays                                   | 20.00        | 110.00       |

|                      |                |            |            |
|----------------------|----------------|------------|------------|
| tblConstructionPhase | NumDays        | 30.00      | 154.00     |
| tblConstructionPhase | NumDays        | 30.00      | 284.00     |
| tblConstructionPhase | NumDays        | 30.00      | 66.00      |
| tblConstructionPhase | NumDays        | 20.00      | 86.00      |
| tblConstructionPhase | NumDays        | 20.00      | 195.00     |
| tblConstructionPhase | NumDays        | 20.00      | 282.00     |
| tblConstructionPhase | PhaseEndDate   | 1/26/2023  | 7/29/2022  |
| tblConstructionPhase | PhaseEndDate   | 7/3/2018   | 10/31/2017 |
| tblConstructionPhase | PhaseEndDate   | 3/4/2019   | 10/31/2019 |
| tblConstructionPhase | PhaseEndDate   | 4/30/2020  | 3/31/2020  |
| tblConstructionPhase | PhaseEndDate   | 4/29/2022  | 2/28/2022  |
| tblConstructionPhase | PhaseEndDate   | 11/28/2019 | 4/30/2019  |
| tblConstructionPhase | PhaseEndDate   | 9/29/2020  | 6/30/2020  |
| tblConstructionPhase | PhaseEndDate   | 5/1/2020   | 11/29/2019 |
| tblConstructionPhase | PhaseEndDate   | 2/1/2021   | 12/31/2020 |
| tblConstructionPhase | PhaseEndDate   | 6/1/2017   | 3/31/2017  |
| tblConstructionPhase | PhaseEndDate   | 3/2/2020   | 12/31/2019 |
| tblConstructionPhase | PhaseEndDate   | 11/28/2022 | 7/29/2022  |
| tblConstructionPhase | PhaseEndDate   | 1/28/2020  | 12/29/2017 |
| tblConstructionPhase | PhaseEndDate   | 11/30/2020 | 11/29/2019 |
| tblConstructionPhase | PhaseStartDate | 3/1/2022   | 9/1/2021   |
| tblConstructionPhase | PhaseStartDate | 12/30/2017 | 5/1/2017   |
| tblConstructionPhase | PhaseStartDate | 11/1/2017  | 7/2/2018   |
| tblConstructionPhase | PhaseStartDate | 1/1/2020   | 12/2/2019  |
| tblConstructionPhase | PhaseStartDate | 1/1/2021   | 11/2/2020  |
| tblConstructionPhase | PhaseStartDate | 4/1/2017   | 9/1/2016   |
| tblConstructionPhase | PhaseStartDate | 4/1/2020   | 1/1/2020   |
| tblConstructionPhase | PhaseStartDate | 11/30/2019 | 7/1/2019   |



|                      |                   |            |            |
|----------------------|-------------------|------------|------------|
| tblConstructionPhase | PhaseStartDate    | 7/1/2020   | 6/1/2020   |
| tblConstructionPhase | PhaseStartDate    | 4/30/2016  | 3/1/2016   |
| tblConstructionPhase | PhaseStartDate    | 11/30/2019 | 10/1/2019  |
| tblConstructionPhase | PhaseStartDate    | 7/30/2022  | 4/1/2022   |
| tblConstructionPhase | PhaseStartDate    | 5/1/2019   | 4/3/2017   |
| tblConstructionPhase | PhaseStartDate    | 11/1/2019  | 11/1/2018  |
| tblFireplaces        | FireplaceDayYear  | 25.00      | 0.00       |
| tblFireplaces        | FireplaceHourDay  | 3.00       | 0.00       |
| tblFireplaces        | FireplaceWoodMass | 1,019.20   | 0.00       |
| tblFireplaces        | NumberGas         | 629.85     | 0.00       |
| tblFireplaces        | NumberNoFireplace | 74.10      | 0.00       |
| tblFireplaces        | NumberWood        | 37.05      | 0.00       |
| tblGrading           | AcresOfGrading    | 385.00     | 2.00       |
| tblGrading           | AcresOfGrading    | 710.00     | 4.20       |
| tblGrading           | AcresOfGrading    | 165.00     | 3.10       |
| tblGrading           | MaterialExported  | 0.00       | 200,000.00 |
| tblGrading           | MaterialExported  | 0.00       | 180,000.00 |
| tblGrading           | MaterialImported  | 0.00       | 68,200.00  |
| tblLandUse           | LandUseSquareFeet | 547,000.00 | 547,003.00 |
| tblLandUse           | LandUseSquareFeet | 190,000.00 | 223,250.00 |
| tblLandUse           | LandUseSquareFeet | 551,000.00 | 617,500.00 |
| tblLandUse           | LotAcreage        | 12.56      | 3.78       |
| tblLandUse           | LotAcreage        | 2.01       | 1.73       |
| tblLandUse           | LotAcreage        | 2.25       | 0.00       |
| tblLandUse           | LotAcreage        | 4.58       | 0.00       |
| tblLandUse           | LotAcreage        | 6.52       | 0.00       |
| tblLandUse           | LotAcreage        | 0.17       | 0.00       |
| tblLandUse           | LotAcreage        | 6.33       | 0.00       |

|                           |                  |             |             |
|---------------------------|------------------|-------------|-------------|
| tblLandUse                | LotAcreage       | 2.97        | 0.90        |
| tblLandUse                | LotAcreage       | 8.61        | 6.29        |
| tblLandUse                | LotAcreage       | 0.70        | 0.00        |
| tblProjectCharacteristics | OperationalYear  | 2014        | 2020        |
| tblTripsAndVMT            | VendorTripNumber | 355.00      | 354.00      |
| tblTripsAndVMT            | VendorTripNumber | 355.00      | 354.00      |
| tblTripsAndVMT            | VendorTripNumber | 355.00      | 354.00      |
| tblTripsAndVMT            | WorkerTripNumber | 1,181.00    | 1,143.00    |
| tblTripsAndVMT            | WorkerTripNumber | 1,181.00    | 1,143.00    |
| tblTripsAndVMT            | WorkerTripNumber | 236.00      | 229.00      |
| tblTripsAndVMT            | WorkerTripNumber | 1,181.00    | 1,143.00    |
| tblTripsAndVMT            | WorkerTripNumber | 236.00      | 229.00      |
| tblTripsAndVMT            | WorkerTripNumber | 236.00      | 229.00      |
| tblVehicleEF              | HHD              | 0.03        | 0.03        |
| tblVehicleEF              | HHD              | 0.01        | 0.01        |
| tblVehicleEF              | HHD              | 3.16        | 3.42        |
| tblVehicleEF              | HHD              | 1.68        | 1.69        |
| tblVehicleEF              | HHD              | 53.80       | 51.65       |
| tblVehicleEF              | HHD              | 528.22      | 527.54      |
| tblVehicleEF              | HHD              | 1,524.51    | 1,522.69    |
| tblVehicleEF              | HHD              | 49.77       | 49.32       |
| tblVehicleEF              | HHD              | 0.03        | 0.03        |
| tblVehicleEF              | HHD              | 3.93        | 3.33        |
| tblVehicleEF              | HHD              | 4.25        | 3.36        |
| tblVehicleEF              | HHD              | 3.53        | 3.38        |
| tblVehicleEF              | HHD              | 9.7330e-003 | 9.3010e-003 |
| tblVehicleEF              | HHD              | 0.06        | 0.06        |
| tblVehicleEF              | HHD              | 0.03        | 0.03        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 0.09        | 0.09        |
| tblVehicleEF | HHD | 9.6100e-004 | 6.9000e-004 |
| tblVehicleEF | HHD | 8.9550e-003 | 8.5570e-003 |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 8.7160e-003 | 8.7220e-003 |
| tblVehicleEF | HHD | 0.08        | 0.08        |
| tblVehicleEF | HHD | 8.6600e-004 | 6.4000e-004 |
| tblVehicleEF | HHD | 1.4370e-003 | 1.3690e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.56        | 0.61        |
| tblVehicleEF | HHD | 1.0510e-003 | 1.0190e-003 |
| tblVehicleEF | HHD | 0.24        | 0.24        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.42        | 1.22        |
| tblVehicleEF | HHD | 5.5990e-003 | 5.5920e-003 |
| tblVehicleEF | HHD | 0.02        | 0.02        |
| tblVehicleEF | HHD | 1.4410e-003 | 1.3960e-003 |
| tblVehicleEF | HHD | 1.4370e-003 | 1.3690e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.64        | 0.69        |
| tblVehicleEF | HHD | 1.0510e-003 | 1.0190e-003 |
| tblVehicleEF | HHD | 0.27        | 0.28        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.52        | 1.30        |
| tblVehicleEF | HHD | 0.02        | 0.03        |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 2.30        | 2.49        |
| tblVehicleEF | HHD | 1.69        | 1.70        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 43.34       | 41.60       |
| tblVehicleEF | HHD | 559.60      | 558.89      |
| tblVehicleEF | HHD | 1,524.51    | 1,522.69    |
| tblVehicleEF | HHD | 49.77       | 49.32       |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 4.06        | 3.43        |
| tblVehicleEF | HHD | 4.01        | 3.17        |
| tblVehicleEF | HHD | 3.38        | 3.24        |
| tblVehicleEF | HHD | 8.2050e-003 | 7.8410e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 0.09        | 0.09        |
| tblVehicleEF | HHD | 9.6100e-004 | 6.9000e-004 |
| tblVehicleEF | HHD | 7.5490e-003 | 7.2140e-003 |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 8.7160e-003 | 8.7220e-003 |
| tblVehicleEF | HHD | 0.08        | 0.08        |
| tblVehicleEF | HHD | 8.6600e-004 | 6.4000e-004 |
| tblVehicleEF | HHD | 2.3200e-003 | 2.1960e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.53        | 0.57        |
| tblVehicleEF | HHD | 1.6920e-003 | 1.6070e-003 |
| tblVehicleEF | HHD | 0.24        | 0.24        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.24        | 1.06        |
| tblVehicleEF | HHD | 5.9320e-003 | 5.9240e-003 |
| tblVehicleEF | HHD | 0.02        | 0.02        |
| tblVehicleEF | HHD | 1.2710e-003 | 1.2330e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 2.3200e-003 | 2.1960e-003 |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.60        | 0.65        |
| tblVehicleEF | HHD | 1.6920e-003 | 1.6070e-003 |
| tblVehicleEF | HHD | 0.27        | 0.28        |
| tblVehicleEF | HHD | 0.28        | 0.26        |
| tblVehicleEF | HHD | 1.32        | 1.14        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 4.35        | 4.71        |
| tblVehicleEF | HHD | 1.68        | 1.69        |
| tblVehicleEF | HHD | 54.58       | 52.38       |
| tblVehicleEF | HHD | 484.88      | 484.26      |
| tblVehicleEF | HHD | 1,524.51    | 1,522.69    |
| tblVehicleEF | HHD | 49.77       | 49.32       |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 3.76        | 3.18        |
| tblVehicleEF | HHD | 4.18        | 3.31        |
| tblVehicleEF | HHD | 3.54        | 3.40        |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 0.06        | 0.06        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 0.09        | 0.09        |
| tblVehicleEF | HHD | 9.6100e-004 | 6.9000e-004 |
| tblVehicleEF | HHD | 0.01        | 0.01        |
| tblVehicleEF | HHD | 0.03        | 0.03        |
| tblVehicleEF | HHD | 8.7160e-003 | 8.7220e-003 |
| tblVehicleEF | HHD | 0.08        | 0.08        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | HHD | 8.6600e-004 | 6.4000e-004 |
| tblVehicleEF | HHD | 1.4620e-003 | 1.3640e-003 |
| tblVehicleEF | HHD | 0.07        | 0.06        |
| tblVehicleEF | HHD | 0.61        | 0.66        |
| tblVehicleEF | HHD | 1.0540e-003 | 1.0120e-003 |
| tblVehicleEF | HHD | 0.24        | 0.24        |
| tblVehicleEF | HHD | 0.30        | 0.28        |
| tblVehicleEF | HHD | 1.44        | 1.23        |
| tblVehicleEF | HHD | 5.1400e-003 | 5.1330e-003 |
| tblVehicleEF | HHD | 0.02        | 0.02        |
| tblVehicleEF | HHD | 1.4540e-003 | 1.4080e-003 |
| tblVehicleEF | HHD | 1.4620e-003 | 1.3640e-003 |
| tblVehicleEF | HHD | 0.07        | 0.06        |
| tblVehicleEF | HHD | 0.69        | 0.75        |
| tblVehicleEF | HHD | 1.0540e-003 | 1.0120e-003 |
| tblVehicleEF | HHD | 0.27        | 0.28        |
| tblVehicleEF | HHD | 0.30        | 0.28        |
| tblVehicleEF | HHD | 1.54        | 1.31        |
| tblVehicleEF | LDA | 9.9910e-003 | 9.4500e-003 |
| tblVehicleEF | LDA | 5.4270e-003 | 4.6120e-003 |
| tblVehicleEF | LDA | 0.77        | 0.71        |
| tblVehicleEF | LDA | 1.39        | 1.21        |
| tblVehicleEF | LDA | 248.70      | 239.34      |
| tblVehicleEF | LDA | 52.85       | 50.62       |
| tblVehicleEF | LDA | 0.51        | 0.50        |
| tblVehicleEF | LDA | 0.07        | 0.07        |
| tblVehicleEF | LDA | 0.09        | 0.07        |
| tblVehicleEF | LDA | 1.9290e-003 | 2.0080e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 3.3720e-003 | 3.7590e-003 |
| tblVehicleEF | LDA | 1.7880e-003 | 1.8620e-003 |
| tblVehicleEF | LDA | 3.1270e-003 | 3.4870e-003 |
| tblVehicleEF | LDA | 0.04        | 0.04        |
| tblVehicleEF | LDA | 0.10        | 0.08        |
| tblVehicleEF | LDA | 0.04        | 0.03        |
| tblVehicleEF | LDA | 0.02        | 0.01        |
| tblVehicleEF | LDA | 0.22        | 0.21        |
| tblVehicleEF | LDA | 0.10        | 0.08        |
| tblVehicleEF | LDA | 3.5970e-003 | 3.6040e-003 |
| tblVehicleEF | LDA | 7.6100e-004 | 7.5900e-004 |
| tblVehicleEF | LDA | 0.04        | 0.04        |
| tblVehicleEF | LDA | 0.10        | 0.08        |
| tblVehicleEF | LDA | 0.04        | 0.03        |
| tblVehicleEF | LDA | 0.03        | 0.02        |
| tblVehicleEF | LDA | 0.22        | 0.21        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 9.9910e-003 | 9.4500e-003 |
| tblVehicleEF | LDA | 5.4270e-003 | 4.6120e-003 |
| tblVehicleEF | LDA | 0.86        | 0.79        |
| tblVehicleEF | LDA | 1.09        | 0.95        |
| tblVehicleEF | LDA | 261.60      | 251.82      |
| tblVehicleEF | LDA | 52.85       | 50.62       |
| tblVehicleEF | LDA | 0.51        | 0.50        |
| tblVehicleEF | LDA | 0.06        | 0.06        |
| tblVehicleEF | LDA | 0.08        | 0.07        |
| tblVehicleEF | LDA | 1.9290e-003 | 2.0080e-003 |
| tblVehicleEF | LDA | 3.3720e-003 | 3.7590e-003 |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | LDA | 1.7880e-003 | 1.8620e-003 |
| tblVehicleEF | LDA | 3.1270e-003 | 3.4870e-003 |
| tblVehicleEF | LDA | 0.07        | 0.06        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.06        | 0.05        |
| tblVehicleEF | LDA | 0.02        | 0.01        |
| tblVehicleEF | LDA | 0.21        | 0.19        |
| tblVehicleEF | LDA | 0.08        | 0.07        |
| tblVehicleEF | LDA | 3.7860e-003 | 3.7940e-003 |
| tblVehicleEF | LDA | 7.5600e-004 | 7.5400e-004 |
| tblVehicleEF | LDA | 0.07        | 0.06        |
| tblVehicleEF | LDA | 0.10        | 0.09        |
| tblVehicleEF | LDA | 0.06        | 0.05        |
| tblVehicleEF | LDA | 0.03        | 0.03        |
| tblVehicleEF | LDA | 0.21        | 0.19        |
| tblVehicleEF | LDA | 0.09        | 0.07        |
| tblVehicleEF | LDA | 9.9910e-003 | 9.4500e-003 |
| tblVehicleEF | LDA | 5.4270e-003 | 4.6120e-003 |
| tblVehicleEF | LDA | 0.74        | 0.68        |
| tblVehicleEF | LDA | 1.44        | 1.25        |
| tblVehicleEF | LDA | 244.71      | 235.50      |
| tblVehicleEF | LDA | 52.85       | 50.62       |
| tblVehicleEF | LDA | 0.51        | 0.50        |
| tblVehicleEF | LDA | 0.07        | 0.06        |
| tblVehicleEF | LDA | 0.09        | 0.07        |
| tblVehicleEF | LDA | 1.9290e-003 | 2.0080e-003 |
| tblVehicleEF | LDA | 3.3720e-003 | 3.7590e-003 |
| tblVehicleEF | LDA | 1.7880e-003 | 1.8620e-003 |



|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDA  | 3.1270e-003 | 3.4870e-003 |
| tblVehicleEF | LDA  | 0.04        | 0.04        |
| tblVehicleEF | LDA  | 0.10        | 0.09        |
| tblVehicleEF | LDA  | 0.04        | 0.03        |
| tblVehicleEF | LDA  | 0.02        | 0.01        |
| tblVehicleEF | LDA  | 0.25        | 0.23        |
| tblVehicleEF | LDA  | 0.10        | 0.08        |
| tblVehicleEF | LDA  | 3.5390e-003 | 3.5450e-003 |
| tblVehicleEF | LDA  | 7.6200e-004 | 7.5900e-004 |
| tblVehicleEF | LDA  | 0.04        | 0.04        |
| tblVehicleEF | LDA  | 0.10        | 0.09        |
| tblVehicleEF | LDA  | 0.04        | 0.03        |
| tblVehicleEF | LDA  | 0.03        | 0.02        |
| tblVehicleEF | LDA  | 0.25        | 0.23        |
| tblVehicleEF | LDA  | 0.10        | 0.09        |
| tblVehicleEF | LDT1 | 0.02        | 0.02        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 2.05        | 1.76        |
| tblVehicleEF | LDT1 | 3.77        | 3.19        |
| tblVehicleEF | LDT1 | 303.51      | 294.33      |
| tblVehicleEF | LDT1 | 63.81       | 61.80       |
| tblVehicleEF | LDT1 | 0.06        | 0.06        |
| tblVehicleEF | LDT1 | 0.21        | 0.18        |
| tblVehicleEF | LDT1 | 0.22        | 0.19        |
| tblVehicleEF | LDT1 | 3.6870e-003 | 3.3980e-003 |
| tblVehicleEF | LDT1 | 4.7320e-003 | 4.6830e-003 |
| tblVehicleEF | LDT1 | 3.4190e-003 | 3.1520e-003 |
| tblVehicleEF | LDT1 | 4.3890e-003 | 4.3440e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 0.15        | 0.14        |
| tblVehicleEF | LDT1 | 0.28        | 0.26        |
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.05        | 0.04        |
| tblVehicleEF | LDT1 | 0.93        | 0.85        |
| tblVehicleEF | LDT1 | 0.28        | 0.23        |
| tblVehicleEF | LDT1 | 4.1550e-003 | 4.1640e-003 |
| tblVehicleEF | LDT1 | 9.1300e-004 | 9.0500e-004 |
| tblVehicleEF | LDT1 | 0.15        | 0.14        |
| tblVehicleEF | LDT1 | 0.28        | 0.26        |
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.07        | 0.06        |
| tblVehicleEF | LDT1 | 0.93        | 0.85        |
| tblVehicleEF | LDT1 | 0.30        | 0.25        |
| tblVehicleEF | LDT1 | 0.02        | 0.02        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 2.24        | 1.94        |
| tblVehicleEF | LDT1 | 2.97        | 2.52        |
| tblVehicleEF | LDT1 | 318.71      | 309.20      |
| tblVehicleEF | LDT1 | 63.81       | 61.80       |
| tblVehicleEF | LDT1 | 0.06        | 0.06        |
| tblVehicleEF | LDT1 | 0.18        | 0.15        |
| tblVehicleEF | LDT1 | 0.20        | 0.17        |
| tblVehicleEF | LDT1 | 3.6870e-003 | 3.3980e-003 |
| tblVehicleEF | LDT1 | 4.7320e-003 | 4.6830e-003 |
| tblVehicleEF | LDT1 | 3.4190e-003 | 3.1520e-003 |
| tblVehicleEF | LDT1 | 4.3890e-003 | 4.3440e-003 |
| tblVehicleEF | LDT1 | 0.25        | 0.23        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 0.30        | 0.28        |
| tblVehicleEF | LDT1 | 0.18        | 0.17        |
| tblVehicleEF | LDT1 | 0.05        | 0.04        |
| tblVehicleEF | LDT1 | 0.87        | 0.80        |
| tblVehicleEF | LDT1 | 0.24        | 0.20        |
| tblVehicleEF | LDT1 | 4.3690e-003 | 4.3790e-003 |
| tblVehicleEF | LDT1 | 8.9900e-004 | 8.9400e-004 |
| tblVehicleEF | LDT1 | 0.25        | 0.23        |
| tblVehicleEF | LDT1 | 0.30        | 0.28        |
| tblVehicleEF | LDT1 | 0.18        | 0.17        |
| tblVehicleEF | LDT1 | 0.07        | 0.06        |
| tblVehicleEF | LDT1 | 0.87        | 0.80        |
| tblVehicleEF | LDT1 | 0.25        | 0.21        |
| tblVehicleEF | LDT1 | 0.02        | 0.02        |
| tblVehicleEF | LDT1 | 0.02        | 0.01        |
| tblVehicleEF | LDT1 | 1.98        | 1.71        |
| tblVehicleEF | LDT1 | 3.88        | 3.29        |
| tblVehicleEF | LDT1 | 299.01      | 289.93      |
| tblVehicleEF | LDT1 | 63.81       | 61.80       |
| tblVehicleEF | LDT1 | 0.06        | 0.06        |
| tblVehicleEF | LDT1 | 0.20        | 0.17        |
| tblVehicleEF | LDT1 | 0.22        | 0.19        |
| tblVehicleEF | LDT1 | 3.6870e-003 | 3.3980e-003 |
| tblVehicleEF | LDT1 | 4.7320e-003 | 4.6830e-003 |
| tblVehicleEF | LDT1 | 3.4190e-003 | 3.1520e-003 |
| tblVehicleEF | LDT1 | 4.3890e-003 | 4.3440e-003 |
| tblVehicleEF | LDT1 | 0.16        | 0.14        |
| tblVehicleEF | LDT1 | 0.31        | 0.29        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.05        | 0.04        |
| tblVehicleEF | LDT1 | 1.10        | 1.00        |
| tblVehicleEF | LDT1 | 0.28        | 0.24        |
| tblVehicleEF | LDT1 | 4.0920e-003 | 4.1010e-003 |
| tblVehicleEF | LDT1 | 9.1500e-004 | 9.0700e-004 |
| tblVehicleEF | LDT1 | 0.16        | 0.14        |
| tblVehicleEF | LDT1 | 0.31        | 0.29        |
| tblVehicleEF | LDT1 | 0.12        | 0.11        |
| tblVehicleEF | LDT1 | 0.07        | 0.06        |
| tblVehicleEF | LDT1 | 1.10        | 1.00        |
| tblVehicleEF | LDT1 | 0.30        | 0.26        |
| tblVehicleEF | LDT2 | 0.01        | 0.01        |
| tblVehicleEF | LDT2 | 7.9760e-003 | 6.6260e-003 |
| tblVehicleEF | LDT2 | 1.07        | 0.95        |
| tblVehicleEF | LDT2 | 2.03        | 1.71        |
| tblVehicleEF | LDT2 | 369.06      | 359.70      |
| tblVehicleEF | LDT2 | 77.44       | 75.28       |
| tblVehicleEF | LDT2 | 0.18        | 0.18        |
| tblVehicleEF | LDT2 | 0.12        | 0.10        |
| tblVehicleEF | LDT2 | 0.18        | 0.14        |
| tblVehicleEF | LDT2 | 1.9220e-003 | 1.9830e-003 |
| tblVehicleEF | LDT2 | 3.3610e-003 | 3.7230e-003 |
| tblVehicleEF | LDT2 | 1.7830e-003 | 1.8400e-003 |
| tblVehicleEF | LDT2 | 3.1180e-003 | 3.4540e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.13        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 0.41        | 0.39        |
| tblVehicleEF | LDT2 | 0.14        | 0.12        |
| tblVehicleEF | LDT2 | 4.8850e-003 | 4.8920e-003 |
| tblVehicleEF | LDT2 | 1.0390e-003 | 1.0350e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.13        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.04        | 0.03        |
| tblVehicleEF | LDT2 | 0.41        | 0.39        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LDT2 | 0.01        | 0.01        |
| tblVehicleEF | LDT2 | 7.9760e-003 | 6.6260e-003 |
| tblVehicleEF | LDT2 | 1.19        | 1.06        |
| tblVehicleEF | LDT2 | 1.60        | 1.35        |
| tblVehicleEF | LDT2 | 387.84      | 378.07      |
| tblVehicleEF | LDT2 | 77.44       | 75.28       |
| tblVehicleEF | LDT2 | 0.18        | 0.18        |
| tblVehicleEF | LDT2 | 0.10        | 0.09        |
| tblVehicleEF | LDT2 | 0.16        | 0.13        |
| tblVehicleEF | LDT2 | 1.9220e-003 | 1.9830e-003 |
| tblVehicleEF | LDT2 | 3.3610e-003 | 3.7230e-003 |
| tblVehicleEF | LDT2 | 1.7830e-003 | 1.8400e-003 |
| tblVehicleEF | LDT2 | 3.1180e-003 | 3.4540e-003 |
| tblVehicleEF | LDT2 | 0.10        | 0.09        |
| tblVehicleEF | LDT2 | 0.14        | 0.13        |
| tblVehicleEF | LDT2 | 0.09        | 0.09        |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.39        | 0.36        |
| tblVehicleEF | LDT2 | 0.12        | 0.10        |
| tblVehicleEF | LDT2 | 5.1360e-003 | 5.1440e-003 |
| tblVehicleEF | LDT2 | 1.0320e-003 | 1.0290e-003 |
| tblVehicleEF | LDT2 | 0.10        | 0.09        |
| tblVehicleEF | LDT2 | 0.14        | 0.13        |
| tblVehicleEF | LDT2 | 0.09        | 0.09        |
| tblVehicleEF | LDT2 | 0.04        | 0.03        |
| tblVehicleEF | LDT2 | 0.39        | 0.36        |
| tblVehicleEF | LDT2 | 0.13        | 0.11        |
| tblVehicleEF | LDT2 | 0.01        | 0.01        |
| tblVehicleEF | LDT2 | 7.9760e-003 | 6.6260e-003 |
| tblVehicleEF | LDT2 | 1.03        | 0.92        |
| tblVehicleEF | LDT2 | 2.10        | 1.77        |
| tblVehicleEF | LDT2 | 363.33      | 354.11      |
| tblVehicleEF | LDT2 | 77.44       | 75.28       |
| tblVehicleEF | LDT2 | 0.18        | 0.18        |
| tblVehicleEF | LDT2 | 0.11        | 0.10        |
| tblVehicleEF | LDT2 | 0.18        | 0.14        |
| tblVehicleEF | LDT2 | 1.9220e-003 | 1.9830e-003 |
| tblVehicleEF | LDT2 | 3.3610e-003 | 3.7230e-003 |
| tblVehicleEF | LDT2 | 1.7830e-003 | 1.8400e-003 |
| tblVehicleEF | LDT2 | 3.1180e-003 | 3.4540e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.02        | 0.02        |
| tblVehicleEF | LDT2 | 0.48        | 0.45        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LDT2 | 0.14        | 0.12        |
| tblVehicleEF | LDT2 | 4.8080e-003 | 4.8150e-003 |
| tblVehicleEF | LDT2 | 1.0410e-003 | 1.0360e-003 |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LDT2 | 0.06        | 0.06        |
| tblVehicleEF | LDT2 | 0.03        | 0.03        |
| tblVehicleEF | LDT2 | 0.48        | 0.45        |
| tblVehicleEF | LDT2 | 0.15        | 0.13        |
| tblVehicleEF | LHD1 | 1.2780e-003 | 1.2420e-003 |
| tblVehicleEF | LHD1 | 0.01        | 9.7370e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 0.19        | 0.18        |
| tblVehicleEF | LHD1 | 0.99        | 0.81        |
| tblVehicleEF | LHD1 | 4.05        | 3.65        |
| tblVehicleEF | LHD1 | 7.70        | 7.70        |
| tblVehicleEF | LHD1 | 528.12      | 529.38      |
| tblVehicleEF | LHD1 | 41.54       | 41.72       |
| tblVehicleEF | LHD1 | 0.04        | 0.04        |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 0.98        | 0.85        |
| tblVehicleEF | LHD1 | 1.30        | 1.23        |
| tblVehicleEF | LHD1 | 4.7900e-004 | 4.7700e-004 |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 8.9560e-003 | 8.9540e-003 |
| tblVehicleEF | LHD1 | 6.6480e-003 | 6.0830e-003 |
| tblVehicleEF | LHD1 | 9.0800e-004 | 7.6100e-004 |
| tblVehicleEF | LHD1 | 4.4100e-004 | 4.3800e-004 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 6.1210e-003 | 5.6000e-003 |
| tblVehicleEF | LHD1 | 8.4000e-004 | 7.0600e-004 |
| tblVehicleEF | LHD1 | 2.6250e-003 | 2.4700e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.07        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 1.6290e-003 | 1.5850e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.06        |
| tblVehicleEF | LHD1 | 0.42        | 0.40        |
| tblVehicleEF | LHD1 | 0.37        | 0.32        |
| tblVehicleEF | LHD1 | 5.8180e-003 | 5.8290e-003 |
| tblVehicleEF | LHD1 | 5.3600e-004 | 5.3000e-004 |
| tblVehicleEF | LHD1 | 2.6250e-003 | 2.4700e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.07        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 1.6290e-003 | 1.5850e-003 |
| tblVehicleEF | LHD1 | 0.09        | 0.07        |
| tblVehicleEF | LHD1 | 0.42        | 0.40        |
| tblVehicleEF | LHD1 | 0.39        | 0.34        |
| tblVehicleEF | LHD1 | 1.2780e-003 | 1.2420e-003 |
| tblVehicleEF | LHD1 | 0.01        | 9.7370e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 0.19        | 0.18        |
| tblVehicleEF | LHD1 | 1.01        | 0.82        |
| tblVehicleEF | LHD1 | 3.28        | 2.96        |
| tblVehicleEF | LHD1 | 7.70        | 7.70        |
| tblVehicleEF | LHD1 | 528.12      | 529.38      |
| tblVehicleEF | LHD1 | 41.54       | 41.72       |



|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.04        | 0.04        |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 0.91        | 0.79        |
| tblVehicleEF | LHD1 | 1.25        | 1.19        |
| tblVehicleEF | LHD1 | 4.7900e-004 | 4.7700e-004 |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 8.9560e-003 | 8.9540e-003 |
| tblVehicleEF | LHD1 | 6.6480e-003 | 6.0830e-003 |
| tblVehicleEF | LHD1 | 9.0800e-004 | 7.6100e-004 |
| tblVehicleEF | LHD1 | 4.4100e-004 | 4.3800e-004 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 6.1210e-003 | 5.6000e-003 |
| tblVehicleEF | LHD1 | 8.4000e-004 | 7.0600e-004 |
| tblVehicleEF | LHD1 | 4.1230e-003 | 3.8730e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.07        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5230e-003 | 2.4310e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.06        |
| tblVehicleEF | LHD1 | 0.41        | 0.39        |
| tblVehicleEF | LHD1 | 0.32        | 0.28        |
| tblVehicleEF | LHD1 | 5.8180e-003 | 5.8290e-003 |
| tblVehicleEF | LHD1 | 5.2300e-004 | 5.1800e-004 |
| tblVehicleEF | LHD1 | 4.1230e-003 | 3.8730e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.07        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 2.5230e-003 | 2.4310e-003 |
| tblVehicleEF | LHD1 | 0.09        | 0.07        |
| tblVehicleEF | LHD1 | 0.41        | 0.39        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.35        | 0.30        |
| tblVehicleEF | LHD1 | 1.2780e-003 | 1.2420e-003 |
| tblVehicleEF | LHD1 | 0.01        | 9.7370e-003 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 0.19        | 0.18        |
| tblVehicleEF | LHD1 | 0.99        | 0.81        |
| tblVehicleEF | LHD1 | 4.08        | 3.68        |
| tblVehicleEF | LHD1 | 7.70        | 7.70        |
| tblVehicleEF | LHD1 | 528.12      | 529.38      |
| tblVehicleEF | LHD1 | 41.54       | 41.72       |
| tblVehicleEF | LHD1 | 0.04        | 0.04        |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 0.96        | 0.83        |
| tblVehicleEF | LHD1 | 1.31        | 1.24        |
| tblVehicleEF | LHD1 | 4.7900e-004 | 4.7700e-004 |
| tblVehicleEF | LHD1 | 0.05        | 0.05        |
| tblVehicleEF | LHD1 | 8.9560e-003 | 8.9540e-003 |
| tblVehicleEF | LHD1 | 6.6480e-003 | 6.0830e-003 |
| tblVehicleEF | LHD1 | 9.0800e-004 | 7.6100e-004 |
| tblVehicleEF | LHD1 | 4.4100e-004 | 4.3800e-004 |
| tblVehicleEF | LHD1 | 0.02        | 0.02        |
| tblVehicleEF | LHD1 | 6.1210e-003 | 5.6000e-003 |
| tblVehicleEF | LHD1 | 8.4000e-004 | 7.0600e-004 |
| tblVehicleEF | LHD1 | 2.7730e-003 | 2.5660e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 1.6400e-003 | 1.5860e-003 |
| tblVehicleEF | LHD1 | 0.07        | 0.06        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD1 | 0.45        | 0.44        |
| tblVehicleEF | LHD1 | 0.37        | 0.32        |
| tblVehicleEF | LHD1 | 5.8180e-003 | 5.8290e-003 |
| tblVehicleEF | LHD1 | 5.3600e-004 | 5.3100e-004 |
| tblVehicleEF | LHD1 | 2.7730e-003 | 2.5660e-003 |
| tblVehicleEF | LHD1 | 0.08        | 0.08        |
| tblVehicleEF | LHD1 | 0.03        | 0.03        |
| tblVehicleEF | LHD1 | 1.6400e-003 | 1.5860e-003 |
| tblVehicleEF | LHD1 | 0.09        | 0.07        |
| tblVehicleEF | LHD1 | 0.45        | 0.44        |
| tblVehicleEF | LHD1 | 0.39        | 0.34        |
| tblVehicleEF | LHD2 | 1.0000e-003 | 9.7700e-004 |
| tblVehicleEF | LHD2 | 7.6760e-003 | 6.5600e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 0.15        | 0.15        |
| tblVehicleEF | LHD2 | 0.65        | 0.55        |
| tblVehicleEF | LHD2 | 2.34        | 2.09        |
| tblVehicleEF | LHD2 | 8.48        | 8.48        |
| tblVehicleEF | LHD2 | 509.57      | 510.07      |
| tblVehicleEF | LHD2 | 28.34       | 28.48       |
| tblVehicleEF | LHD2 | 6.7260e-003 | 6.8350e-003 |
| tblVehicleEF | LHD2 | 0.10        | 0.10        |
| tblVehicleEF | LHD2 | 1.56        | 1.33        |
| tblVehicleEF | LHD2 | 0.86        | 0.80        |
| tblVehicleEF | LHD2 | 1.0450e-003 | 1.0370e-003 |
| tblVehicleEF | LHD2 | 0.06        | 0.06        |
| tblVehicleEF | LHD2 | 9.9790e-003 | 9.9800e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 4.7300e-004 | 3.7700e-004 |
| tblVehicleEF | LHD2 | 9.6200e-004 | 9.5400e-004 |
| tblVehicleEF | LHD2 | 0.03        | 0.03        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.3800e-004 | 3.5000e-004 |
| tblVehicleEF | LHD2 | 1.4630e-003 | 1.3330e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 9.5100e-004 | 9.0900e-004 |
| tblVehicleEF | LHD2 | 0.07        | 0.06        |
| tblVehicleEF | LHD2 | 0.24        | 0.22        |
| tblVehicleEF | LHD2 | 0.22        | 0.18        |
| tblVehicleEF | LHD2 | 5.5450e-003 | 5.5490e-003 |
| tblVehicleEF | LHD2 | 3.5800e-004 | 3.5500e-004 |
| tblVehicleEF | LHD2 | 1.4630e-003 | 1.3330e-003 |
| tblVehicleEF | LHD2 | 0.04        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 9.5100e-004 | 9.0900e-004 |
| tblVehicleEF | LHD2 | 0.08        | 0.07        |
| tblVehicleEF | LHD2 | 0.24        | 0.22        |
| tblVehicleEF | LHD2 | 0.23        | 0.20        |
| tblVehicleEF | LHD2 | 1.0000e-003 | 9.7700e-004 |
| tblVehicleEF | LHD2 | 7.6760e-003 | 6.5600e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 0.15        | 0.15        |
| tblVehicleEF | LHD2 | 0.66        | 0.56        |
| tblVehicleEF | LHD2 | 1.90        | 1.70        |
| tblVehicleEF | LHD2 | 8.48        | 8.48        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 509.57      | 510.07      |
| tblVehicleEF | LHD2 | 28.34       | 28.48       |
| tblVehicleEF | LHD2 | 6.7260e-003 | 6.8350e-003 |
| tblVehicleEF | LHD2 | 0.10        | 0.10        |
| tblVehicleEF | LHD2 | 1.47        | 1.25        |
| tblVehicleEF | LHD2 | 0.82        | 0.77        |
| tblVehicleEF | LHD2 | 1.0450e-003 | 1.0370e-003 |
| tblVehicleEF | LHD2 | 0.06        | 0.06        |
| tblVehicleEF | LHD2 | 9.9790e-003 | 9.9800e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.7300e-004 | 3.7700e-004 |
| tblVehicleEF | LHD2 | 9.6200e-004 | 9.5400e-004 |
| tblVehicleEF | LHD2 | 0.03        | 0.03        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.3800e-004 | 3.5000e-004 |
| tblVehicleEF | LHD2 | 2.2700e-003 | 2.0650e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 1.4440e-003 | 1.3650e-003 |
| tblVehicleEF | LHD2 | 0.07        | 0.06        |
| tblVehicleEF | LHD2 | 0.23        | 0.21        |
| tblVehicleEF | LHD2 | 0.19        | 0.16        |
| tblVehicleEF | LHD2 | 5.5450e-003 | 5.5490e-003 |
| tblVehicleEF | LHD2 | 3.5000e-004 | 3.4800e-004 |
| tblVehicleEF | LHD2 | 2.2700e-003 | 2.0650e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 1.4440e-003 | 1.3650e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 0.08        | 0.07        |
| tblVehicleEF | LHD2 | 0.23        | 0.21        |
| tblVehicleEF | LHD2 | 0.21        | 0.18        |
| tblVehicleEF | LHD2 | 1.0000e-003 | 9.7700e-004 |
| tblVehicleEF | LHD2 | 7.6760e-003 | 6.5600e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 0.15        | 0.15        |
| tblVehicleEF | LHD2 | 0.65        | 0.55        |
| tblVehicleEF | LHD2 | 2.37        | 2.12        |
| tblVehicleEF | LHD2 | 8.48        | 8.48        |
| tblVehicleEF | LHD2 | 509.57      | 510.07      |
| tblVehicleEF | LHD2 | 28.34       | 28.48       |
| tblVehicleEF | LHD2 | 6.7260e-003 | 6.8350e-003 |
| tblVehicleEF | LHD2 | 0.10        | 0.10        |
| tblVehicleEF | LHD2 | 1.53        | 1.30        |
| tblVehicleEF | LHD2 | 0.86        | 0.81        |
| tblVehicleEF | LHD2 | 1.0450e-003 | 1.0370e-003 |
| tblVehicleEF | LHD2 | 0.06        | 0.06        |
| tblVehicleEF | LHD2 | 9.9790e-003 | 9.9800e-003 |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.7300e-004 | 3.7700e-004 |
| tblVehicleEF | LHD2 | 9.6200e-004 | 9.5400e-004 |
| tblVehicleEF | LHD2 | 0.03        | 0.03        |
| tblVehicleEF | LHD2 | 0.01        | 0.01        |
| tblVehicleEF | LHD2 | 4.3800e-004 | 3.5000e-004 |
| tblVehicleEF | LHD2 | 1.5110e-003 | 1.3460e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | LHD2 | 9.4300e-004 | 8.9500e-004 |
| tblVehicleEF | LHD2 | 0.07        | 0.06        |
| tblVehicleEF | LHD2 | 0.26        | 0.24        |
| tblVehicleEF | LHD2 | 0.22        | 0.19        |
| tblVehicleEF | LHD2 | 5.5450e-003 | 5.5490e-003 |
| tblVehicleEF | LHD2 | 3.5800e-004 | 3.5500e-004 |
| tblVehicleEF | LHD2 | 1.5110e-003 | 1.3460e-003 |
| tblVehicleEF | LHD2 | 0.05        | 0.04        |
| tblVehicleEF | LHD2 | 0.02        | 0.02        |
| tblVehicleEF | LHD2 | 9.4300e-004 | 8.9500e-004 |
| tblVehicleEF | LHD2 | 0.08        | 0.07        |
| tblVehicleEF | LHD2 | 0.26        | 0.24        |
| tblVehicleEF | LHD2 | 0.23        | 0.20        |
| tblVehicleEF | MCY  | 20.61       | 20.09       |
| tblVehicleEF | MCY  | 10.01       | 10.06       |
| tblVehicleEF | MCY  | 141.43      | 142.62      |
| tblVehicleEF | MCY  | 38.50       | 37.84       |
| tblVehicleEF | MCY  | 4.4000e-003 | 4.3080e-003 |
| tblVehicleEF | MCY  | 1.16        | 1.15        |
| tblVehicleEF | MCY  | 0.31        | 0.31        |
| tblVehicleEF | MCY  | 3.1500e-004 | 2.7700e-004 |
| tblVehicleEF | MCY  | 9.6300e-004 | 8.3500e-004 |
| tblVehicleEF | MCY  | 2.6400e-004 | 2.3600e-004 |
| tblVehicleEF | MCY  | 8.0000e-004 | 7.0500e-004 |
| tblVehicleEF | MCY  | 0.98        | 0.98        |
| tblVehicleEF | MCY  | 0.41        | 0.41        |
| tblVehicleEF | MCY  | 0.55        | 0.55        |
| tblVehicleEF | MCY  | 2.39        | 2.37        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 1.24        | 1.19        |
| tblVehicleEF | MCY | 2.06        | 2.05        |
| tblVehicleEF | MCY | 1.9700e-003 | 1.9740e-003 |
| tblVehicleEF | MCY | 6.5000e-004 | 6.4300e-004 |
| tblVehicleEF | MCY | 0.98        | 0.98        |
| tblVehicleEF | MCY | 0.41        | 0.41        |
| tblVehicleEF | MCY | 0.55        | 0.55        |
| tblVehicleEF | MCY | 2.62        | 2.60        |
| tblVehicleEF | MCY | 1.24        | 1.19        |
| tblVehicleEF | MCY | 2.21        | 2.20        |
| tblVehicleEF | MCY | 19.99       | 19.50       |
| tblVehicleEF | MCY | 8.80        | 8.82        |
| tblVehicleEF | MCY | 141.43      | 142.62      |
| tblVehicleEF | MCY | 38.50       | 37.84       |
| tblVehicleEF | MCY | 4.4000e-003 | 4.3080e-003 |
| tblVehicleEF | MCY | 1.01        | 1.01        |
| tblVehicleEF | MCY | 0.29        | 0.29        |
| tblVehicleEF | MCY | 3.1500e-004 | 2.7700e-004 |
| tblVehicleEF | MCY | 9.6300e-004 | 8.3500e-004 |
| tblVehicleEF | MCY | 2.6400e-004 | 2.3600e-004 |
| tblVehicleEF | MCY | 8.0000e-004 | 7.0500e-004 |
| tblVehicleEF | MCY | 1.66        | 1.67        |
| tblVehicleEF | MCY | 0.51        | 0.51        |
| tblVehicleEF | MCY | 1.05        | 1.05        |
| tblVehicleEF | MCY | 2.33        | 2.31        |
| tblVehicleEF | MCY | 1.16        | 1.11        |
| tblVehicleEF | MCY | 1.81        | 1.80        |
| tblVehicleEF | MCY | 1.9590e-003 | 1.9640e-003 |



|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 6.2300e-004 | 6.1600e-004 |
| tblVehicleEF | MCY | 1.66        | 1.67        |
| tblVehicleEF | MCY | 0.51        | 0.51        |
| tblVehicleEF | MCY | 1.05        | 1.05        |
| tblVehicleEF | MCY | 2.56        | 2.55        |
| tblVehicleEF | MCY | 1.16        | 1.11        |
| tblVehicleEF | MCY | 1.95        | 1.93        |
| tblVehicleEF | MCY | 20.49       | 19.97       |
| tblVehicleEF | MCY | 10.06       | 10.12       |
| tblVehicleEF | MCY | 141.43      | 142.62      |
| tblVehicleEF | MCY | 38.50       | 37.84       |
| tblVehicleEF | MCY | 4.4000e-003 | 4.3080e-003 |
| tblVehicleEF | MCY | 1.13        | 1.12        |
| tblVehicleEF | MCY | 0.31        | 0.31        |
| tblVehicleEF | MCY | 3.1500e-004 | 2.7700e-004 |
| tblVehicleEF | MCY | 9.6300e-004 | 8.3500e-004 |
| tblVehicleEF | MCY | 2.6400e-004 | 2.3600e-004 |
| tblVehicleEF | MCY | 8.0000e-004 | 7.0500e-004 |
| tblVehicleEF | MCY | 1.10        | 1.10        |
| tblVehicleEF | MCY | 0.54        | 0.54        |
| tblVehicleEF | MCY | 0.54        | 0.54        |
| tblVehicleEF | MCY | 2.39        | 2.37        |
| tblVehicleEF | MCY | 1.48        | 1.43        |
| tblVehicleEF | MCY | 2.08        | 2.06        |
| tblVehicleEF | MCY | 1.9680e-003 | 1.9730e-003 |
| tblVehicleEF | MCY | 6.5100e-004 | 6.4400e-004 |
| tblVehicleEF | MCY | 1.10        | 1.10        |
| tblVehicleEF | MCY | 0.54        | 0.54        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MCY | 0.54        | 0.54        |
| tblVehicleEF | MCY | 2.62        | 2.60        |
| tblVehicleEF | MCY | 1.48        | 1.43        |
| tblVehicleEF | MCY | 2.23        | 2.21        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 1.78        | 1.52        |
| tblVehicleEF | MDV | 3.77        | 3.26        |
| tblVehicleEF | MDV | 488.73      | 477.62      |
| tblVehicleEF | MDV | 102.89      | 100.49      |
| tblVehicleEF | MDV | 0.14        | 0.14        |
| tblVehicleEF | MDV | 0.22        | 0.18        |
| tblVehicleEF | MDV | 0.35        | 0.30        |
| tblVehicleEF | MDV | 2.1720e-003 | 2.1510e-003 |
| tblVehicleEF | MDV | 3.5290e-003 | 3.7110e-003 |
| tblVehicleEF | MDV | 2.0090e-003 | 1.9940e-003 |
| tblVehicleEF | MDV | 3.2670e-003 | 3.4420e-003 |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.20        | 0.20        |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.60        | 0.59        |
| tblVehicleEF | MDV | 0.32        | 0.27        |
| tblVehicleEF | MDV | 6.2060e-003 | 6.2200e-003 |
| tblVehicleEF | MDV | 1.3410e-003 | 1.3350e-003 |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.20        | 0.20        |
| tblVehicleEF | MDV | 0.09        | 0.09        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.07        | 0.06        |
| tblVehicleEF | MDV | 0.60        | 0.59        |
| tblVehicleEF | MDV | 0.34        | 0.29        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 1.96        | 1.69        |
| tblVehicleEF | MDV | 2.97        | 2.56        |
| tblVehicleEF | MDV | 514.18      | 502.64      |
| tblVehicleEF | MDV | 102.89      | 100.49      |
| tblVehicleEF | MDV | 0.14        | 0.14        |
| tblVehicleEF | MDV | 0.19        | 0.16        |
| tblVehicleEF | MDV | 0.33        | 0.28        |
| tblVehicleEF | MDV | 2.1720e-003 | 2.1510e-003 |
| tblVehicleEF | MDV | 3.5290e-003 | 3.7110e-003 |
| tblVehicleEF | MDV | 2.0090e-003 | 1.9940e-003 |
| tblVehicleEF | MDV | 3.2670e-003 | 3.4420e-003 |
| tblVehicleEF | MDV | 0.15        | 0.14        |
| tblVehicleEF | MDV | 0.21        | 0.21        |
| tblVehicleEF | MDV | 0.13        | 0.13        |
| tblVehicleEF | MDV | 0.05        | 0.04        |
| tblVehicleEF | MDV | 0.57        | 0.56        |
| tblVehicleEF | MDV | 0.27        | 0.23        |
| tblVehicleEF | MDV | 6.5340e-003 | 6.5500e-003 |
| tblVehicleEF | MDV | 1.3270e-003 | 1.3220e-003 |
| tblVehicleEF | MDV | 0.15        | 0.14        |
| tblVehicleEF | MDV | 0.21        | 0.21        |
| tblVehicleEF | MDV | 0.13        | 0.13        |
| tblVehicleEF | MDV | 0.07        | 0.06        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.57        | 0.56        |
| tblVehicleEF | MDV | 0.29        | 0.24        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 0.02        | 0.02        |
| tblVehicleEF | MDV | 1.72        | 1.46        |
| tblVehicleEF | MDV | 3.88        | 3.37        |
| tblVehicleEF | MDV | 481.27      | 470.30      |
| tblVehicleEF | MDV | 102.89      | 100.49      |
| tblVehicleEF | MDV | 0.14        | 0.14        |
| tblVehicleEF | MDV | 0.21        | 0.18        |
| tblVehicleEF | MDV | 0.36        | 0.30        |
| tblVehicleEF | MDV | 2.1720e-003 | 2.1510e-003 |
| tblVehicleEF | MDV | 3.5290e-003 | 3.7110e-003 |
| tblVehicleEF | MDV | 2.0090e-003 | 1.9940e-003 |
| tblVehicleEF | MDV | 3.2670e-003 | 3.4420e-003 |
| tblVehicleEF | MDV | 0.09        | 0.08        |
| tblVehicleEF | MDV | 0.22        | 0.21        |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.04        | 0.04        |
| tblVehicleEF | MDV | 0.70        | 0.68        |
| tblVehicleEF | MDV | 0.32        | 0.27        |
| tblVehicleEF | MDV | 6.1110e-003 | 6.1240e-003 |
| tblVehicleEF | MDV | 1.3430e-003 | 1.3360e-003 |
| tblVehicleEF | MDV | 0.09        | 0.08        |
| tblVehicleEF | MDV | 0.22        | 0.21        |
| tblVehicleEF | MDV | 0.09        | 0.09        |
| tblVehicleEF | MDV | 0.07        | 0.06        |
| tblVehicleEF | MDV | 0.70        | 0.68        |

|              |     |             |             |
|--------------|-----|-------------|-------------|
| tblVehicleEF | MDV | 0.34        | 0.29        |
| tblVehicleEF | MH  | 1.60        | 1.00        |
| tblVehicleEF | MH  | 6.03        | 5.23        |
| tblVehicleEF | MH  | 602.71      | 604.56      |
| tblVehicleEF | MH  | 27.93       | 27.82       |
| tblVehicleEF | MH  | 2.1590e-003 | 2.2880e-003 |
| tblVehicleEF | MH  | 1.25        | 1.08        |
| tblVehicleEF | MH  | 0.68        | 0.62        |
| tblVehicleEF | MH  | 0.05        | 0.05        |
| tblVehicleEF | MH  | 8.5800e-003 | 8.5810e-003 |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 6.4900e-004 | 4.6700e-004 |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 0.02        | 0.02        |
| tblVehicleEF | MH  | 5.9600e-004 | 4.3400e-004 |
| tblVehicleEF | MH  | 0.95        | 0.79        |
| tblVehicleEF | MH  | 0.06        | 0.05        |
| tblVehicleEF | MH  | 0.39        | 0.34        |
| tblVehicleEF | MH  | 0.06        | 0.05        |
| tblVehicleEF | MH  | 1.59        | 1.32        |
| tblVehicleEF | MH  | 0.34        | 0.29        |
| tblVehicleEF | MH  | 6.6390e-003 | 6.6500e-003 |
| tblVehicleEF | MH  | 4.1500e-004 | 4.0000e-004 |
| tblVehicleEF | MH  | 0.95        | 0.79        |
| tblVehicleEF | MH  | 0.06        | 0.05        |
| tblVehicleEF | MH  | 0.39        | 0.34        |
| tblVehicleEF | MH  | 0.08        | 0.06        |
| tblVehicleEF | MH  | 1.59        | 1.32        |

|              |    |             |             |
|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.36        | 0.30        |
| tblVehicleEF | MH | 1.64        | 1.03        |
| tblVehicleEF | MH | 4.81        | 4.19        |
| tblVehicleEF | MH | 602.71      | 604.56      |
| tblVehicleEF | MH | 27.93       | 27.82       |
| tblVehicleEF | MH | 2.1590e-003 | 2.2880e-003 |
| tblVehicleEF | MH | 1.15        | 1.00        |
| tblVehicleEF | MH | 0.66        | 0.60        |
| tblVehicleEF | MH | 0.05        | 0.05        |
| tblVehicleEF | MH | 8.5800e-003 | 8.5810e-003 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 6.4900e-004 | 4.6700e-004 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 5.9600e-004 | 4.3400e-004 |
| tblVehicleEF | MH | 1.47        | 1.22        |
| tblVehicleEF | MH | 0.07        | 0.05        |
| tblVehicleEF | MH | 0.61        | 0.53        |
| tblVehicleEF | MH | 0.06        | 0.05        |
| tblVehicleEF | MH | 1.56        | 1.29        |
| tblVehicleEF | MH | 0.29        | 0.25        |
| tblVehicleEF | MH | 6.6400e-003 | 6.6500e-003 |
| tblVehicleEF | MH | 3.9500e-004 | 3.8200e-004 |
| tblVehicleEF | MH | 1.47        | 1.22        |
| tblVehicleEF | MH | 0.07        | 0.05        |
| tblVehicleEF | MH | 0.61        | 0.53        |
| tblVehicleEF | MH | 0.08        | 0.06        |
| tblVehicleEF | MH | 1.56        | 1.29        |

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|--------------|----|-------------|-------------|
| tblVehicleEF | MH | 0.31        | 0.27        |
| tblVehicleEF | MH | 1.59        | 1.00        |
| tblVehicleEF | MH | 6.06        | 5.25        |
| tblVehicleEF | MH | 602.71      | 604.56      |
| tblVehicleEF | MH | 27.93       | 27.82       |
| tblVehicleEF | MH | 2.1590e-003 | 2.2880e-003 |
| tblVehicleEF | MH | 1.22        | 1.06        |
| tblVehicleEF | MH | 0.69        | 0.62        |
| tblVehicleEF | MH | 0.05        | 0.05        |
| tblVehicleEF | MH | 8.5800e-003 | 8.5810e-003 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 6.4900e-004 | 4.6700e-004 |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 0.02        | 0.02        |
| tblVehicleEF | MH | 5.9600e-004 | 4.3400e-004 |
| tblVehicleEF | MH | 1.07        | 0.87        |
| tblVehicleEF | MH | 0.08        | 0.06        |
| tblVehicleEF | MH | 0.41        | 0.35        |
| tblVehicleEF | MH | 0.06        | 0.05        |
| tblVehicleEF | MH | 1.68        | 1.40        |
| tblVehicleEF | MH | 0.34        | 0.29        |
| tblVehicleEF | MH | 6.6390e-003 | 6.6500e-003 |
| tblVehicleEF | MH | 4.1600e-004 | 4.0000e-004 |
| tblVehicleEF | MH | 1.07        | 0.87        |
| tblVehicleEF | MH | 0.08        | 0.06        |
| tblVehicleEF | MH | 0.41        | 0.35        |
| tblVehicleEF | MH | 0.08        | 0.06        |
| tblVehicleEF | MH | 1.68        | 1.40        |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MH  | 0.36        | 0.31        |
| tblVehicleEF | MHD | 7.4570e-003 | 8.1650e-003 |
| tblVehicleEF | MHD | 3.5450e-003 | 3.3250e-003 |
| tblVehicleEF | MHD | 1.89        | 2.07        |
| tblVehicleEF | MHD | 0.68        | 0.56        |
| tblVehicleEF | MHD | 14.44       | 12.47       |
| tblVehicleEF | MHD | 572.02      | 572.08      |
| tblVehicleEF | MHD | 914.53      | 913.05      |
| tblVehicleEF | MHD | 49.60       | 49.32       |
| tblVehicleEF | MHD | 0.02        | 0.02        |
| tblVehicleEF | MHD | 4.69        | 3.42        |
| tblVehicleEF | MHD | 1.64        | 1.04        |
| tblVehicleEF | MHD | 1.62        | 1.43        |
| tblVehicleEF | MHD | 0.01        | 7.9640e-003 |
| tblVehicleEF | MHD | 0.11        | 0.11        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.3970e-003 | 1.0860e-003 |
| tblVehicleEF | MHD | 0.01        | 7.3270e-003 |
| tblVehicleEF | MHD | 0.05        | 0.05        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.2800e-003 | 1.0070e-003 |
| tblVehicleEF | MHD | 2.3690e-003 | 2.1250e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.16        | 0.18        |
| tblVehicleEF | MHD | 1.5020e-003 | 1.4000e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.42        | 0.40        |



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|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.86        | 0.73        |
| tblVehicleEF | MHD | 9.7500e-003 | 9.7330e-003 |
| tblVehicleEF | MHD | 8.0400e-004 | 7.6600e-004 |
| tblVehicleEF | MHD | 2.3690e-003 | 2.1250e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.18        | 0.20        |
| tblVehicleEF | MHD | 1.5020e-003 | 1.4000e-003 |
| tblVehicleEF | MHD | 0.11        | 0.10        |
| tblVehicleEF | MHD | 0.42        | 0.40        |
| tblVehicleEF | MHD | 0.92        | 0.78        |
| tblVehicleEF | MHD | 7.0270e-003 | 7.6940e-003 |
| tblVehicleEF | MHD | 3.5450e-003 | 3.3250e-003 |
| tblVehicleEF | MHD | 1.37        | 1.51        |
| tblVehicleEF | MHD | 0.69        | 0.57        |
| tblVehicleEF | MHD | 11.64       | 10.06       |
| tblVehicleEF | MHD | 606.00      | 606.07      |
| tblVehicleEF | MHD | 914.53      | 913.05      |
| tblVehicleEF | MHD | 49.60       | 49.32       |
| tblVehicleEF | MHD | 0.02        | 0.02        |
| tblVehicleEF | MHD | 4.84        | 3.53        |
| tblVehicleEF | MHD | 1.54        | 0.97        |
| tblVehicleEF | MHD | 1.56        | 1.37        |
| tblVehicleEF | MHD | 9.3480e-003 | 6.7140e-003 |
| tblVehicleEF | MHD | 0.11        | 0.11        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.3970e-003 | 1.0860e-003 |
| tblVehicleEF | MHD | 8.6000e-003 | 6.1770e-003 |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.05        | 0.05        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.2800e-003 | 1.0070e-003 |
| tblVehicleEF | MHD | 3.6600e-003 | 3.2710e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.15        | 0.17        |
| tblVehicleEF | MHD | 2.2910e-003 | 2.1040e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.41        | 0.39        |
| tblVehicleEF | MHD | 0.76        | 0.65        |
| tblVehicleEF | MHD | 6.4240e-003 | 6.4250e-003 |
| tblVehicleEF | MHD | 9.7500e-003 | 9.7330e-003 |
| tblVehicleEF | MHD | 7.5700e-004 | 7.2500e-004 |
| tblVehicleEF | MHD | 3.6600e-003 | 3.2710e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.17        | 0.19        |
| tblVehicleEF | MHD | 2.2910e-003 | 2.1040e-003 |
| tblVehicleEF | MHD | 0.11        | 0.10        |
| tblVehicleEF | MHD | 0.41        | 0.39        |
| tblVehicleEF | MHD | 0.81        | 0.69        |
| tblVehicleEF | MHD | 8.0500e-003 | 8.8140e-003 |
| tblVehicleEF | MHD | 3.5450e-003 | 3.3250e-003 |
| tblVehicleEF | MHD | 2.60        | 2.85        |
| tblVehicleEF | MHD | 0.68        | 0.56        |
| tblVehicleEF | MHD | 14.78       | 12.76       |
| tblVehicleEF | MHD | 525.09      | 525.15      |
| tblVehicleEF | MHD | 914.53      | 913.05      |
| tblVehicleEF | MHD | 49.60       | 49.32       |

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|--------------|-----|-------------|-------------|
| tblVehicleEF | MHD | 0.02        | 0.02        |
| tblVehicleEF | MHD | 4.48        | 3.27        |
| tblVehicleEF | MHD | 1.60        | 1.02        |
| tblVehicleEF | MHD | 1.63        | 1.44        |
| tblVehicleEF | MHD | 0.01        | 9.6910e-003 |
| tblVehicleEF | MHD | 0.11        | 0.11        |
| tblVehicleEF | MHD | 0.01        | 0.01        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.3970e-003 | 1.0860e-003 |
| tblVehicleEF | MHD | 0.01        | 8.9150e-003 |
| tblVehicleEF | MHD | 0.05        | 0.05        |
| tblVehicleEF | MHD | 0.04        | 0.03        |
| tblVehicleEF | MHD | 1.2800e-003 | 1.0070e-003 |
| tblVehicleEF | MHD | 2.5250e-003 | 2.2210e-003 |
| tblVehicleEF | MHD | 0.10        | 0.09        |
| tblVehicleEF | MHD | 0.17        | 0.19        |
| tblVehicleEF | MHD | 1.5230e-003 | 1.4060e-003 |
| tblVehicleEF | MHD | 0.09        | 0.08        |
| tblVehicleEF | MHD | 0.46        | 0.44        |
| tblVehicleEF | MHD | 0.88        | 0.74        |
| tblVehicleEF | MHD | 5.5660e-003 | 5.5670e-003 |
| tblVehicleEF | MHD | 9.7500e-003 | 9.7330e-003 |
| tblVehicleEF | MHD | 8.1000e-004 | 7.7100e-004 |
| tblVehicleEF | MHD | 2.5250e-003 | 2.2210e-003 |
| tblVehicleEF | MHD | 0.10        | 0.09        |
| tblVehicleEF | MHD | 0.20        | 0.22        |
| tblVehicleEF | MHD | 1.5230e-003 | 1.4060e-003 |
| tblVehicleEF | MHD | 0.11        | 0.10        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | MHD  | 0.46        | 0.44        |
| tblVehicleEF | MHD  | 0.94        | 0.79        |
| tblVehicleEF | OBUS | 0.02        | 0.03        |
| tblVehicleEF | OBUS | 2.7960e-003 | 2.9670e-003 |
| tblVehicleEF | OBUS | 2.74        | 3.30        |
| tblVehicleEF | OBUS | 0.97        | 0.86        |
| tblVehicleEF | OBUS | 8.80        | 7.92        |
| tblVehicleEF | OBUS | 534.88      | 533.47      |
| tblVehicleEF | OBUS | 1,017.03    | 1,018.77    |
| tblVehicleEF | OBUS | 32.78       | 32.73       |
| tblVehicleEF | OBUS | 1.9410e-003 | 1.9660e-003 |
| tblVehicleEF | OBUS | 4.65        | 3.20        |
| tblVehicleEF | OBUS | 2.28        | 1.27        |
| tblVehicleEF | OBUS | 1.24        | 1.12        |
| tblVehicleEF | OBUS | 9.5470e-003 | 8.7920e-003 |
| tblVehicleEF | OBUS | 0.10        | 0.10        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.7800e-004 | 4.9700e-004 |
| tblVehicleEF | OBUS | 8.7830e-003 | 8.0890e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 2.6450e-003 | 2.6520e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.3400e-004 | 4.6100e-004 |
| tblVehicleEF | OBUS | 9.6600e-004 | 9.5100e-004 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.47        | 0.56        |
| tblVehicleEF | OBUS | 5.3100e-004 | 5.3300e-004 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.12        | 0.12        |
| tblVehicleEF | OBUS | 0.33        | 0.33        |
| tblVehicleEF | OBUS | 0.54        | 0.48        |
| tblVehicleEF | OBUS | 5.6700e-003 | 5.6550e-003 |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 5.1900e-004 | 5.0200e-004 |
| tblVehicleEF | OBUS | 9.6600e-004 | 9.5100e-004 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.53        | 0.64        |
| tblVehicleEF | OBUS | 5.3100e-004 | 5.3300e-004 |
| tblVehicleEF | OBUS | 0.14        | 0.13        |
| tblVehicleEF | OBUS | 0.33        | 0.33        |
| tblVehicleEF | OBUS | 0.58        | 0.51        |
| tblVehicleEF | OBUS | 0.02        | 0.02        |
| tblVehicleEF | OBUS | 2.7960e-003 | 2.9670e-003 |
| tblVehicleEF | OBUS | 1.99        | 2.40        |
| tblVehicleEF | OBUS | 0.98        | 0.86        |
| tblVehicleEF | OBUS | 7.12        | 6.40        |
| tblVehicleEF | OBUS | 566.66      | 565.16      |
| tblVehicleEF | OBUS | 1,017.03    | 1,018.77    |
| tblVehicleEF | OBUS | 32.78       | 32.73       |
| tblVehicleEF | OBUS | 1.9410e-003 | 1.9660e-003 |
| tblVehicleEF | OBUS | 4.79        | 3.30        |
| tblVehicleEF | OBUS | 2.14        | 1.19        |
| tblVehicleEF | OBUS | 1.19        | 1.08        |
| tblVehicleEF | OBUS | 8.0480e-003 | 7.4120e-003 |
| tblVehicleEF | OBUS | 0.10        | 0.10        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.7800e-004 | 4.9700e-004 |
| tblVehicleEF | OBUS | 7.4040e-003 | 6.8190e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 2.6450e-003 | 2.6520e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.3400e-004 | 4.6100e-004 |
| tblVehicleEF | OBUS | 1.4470e-003 | 1.4230e-003 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.44        | 0.53        |
| tblVehicleEF | OBUS | 7.8300e-004 | 7.8100e-004 |
| tblVehicleEF | OBUS | 0.12        | 0.12        |
| tblVehicleEF | OBUS | 0.32        | 0.32        |
| tblVehicleEF | OBUS | 0.48        | 0.42        |
| tblVehicleEF | OBUS | 6.0070e-003 | 5.9910e-003 |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 4.9000e-004 | 4.7700e-004 |
| tblVehicleEF | OBUS | 1.4470e-003 | 1.4230e-003 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.50        | 0.60        |
| tblVehicleEF | OBUS | 7.8300e-004 | 7.8100e-004 |
| tblVehicleEF | OBUS | 0.14        | 0.13        |
| tblVehicleEF | OBUS | 0.32        | 0.32        |
| tblVehicleEF | OBUS | 0.51        | 0.45        |
| tblVehicleEF | OBUS | 0.02        | 0.03        |
| tblVehicleEF | OBUS | 2.7960e-003 | 2.9670e-003 |
| tblVehicleEF | OBUS | 3.78        | 4.55        |
| tblVehicleEF | OBUS | 0.97        | 0.85        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 8.99        | 8.09        |
| tblVehicleEF | OBUS | 491.00      | 489.70      |
| tblVehicleEF | OBUS | 1,017.03    | 1,018.77    |
| tblVehicleEF | OBUS | 32.78       | 32.73       |
| tblVehicleEF | OBUS | 1.9410e-003 | 1.9660e-003 |
| tblVehicleEF | OBUS | 4.44        | 3.06        |
| tblVehicleEF | OBUS | 2.24        | 1.25        |
| tblVehicleEF | OBUS | 1.25        | 1.13        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 0.10        | 0.10        |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.7800e-004 | 4.9700e-004 |
| tblVehicleEF | OBUS | 0.01        | 9.8420e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 2.6450e-003 | 2.6520e-003 |
| tblVehicleEF | OBUS | 0.04        | 0.04        |
| tblVehicleEF | OBUS | 5.3400e-004 | 4.6100e-004 |
| tblVehicleEF | OBUS | 9.8600e-004 | 9.5600e-004 |
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.50        | 0.60        |
| tblVehicleEF | OBUS | 0.12        | 0.12        |
| tblVehicleEF | OBUS | 0.35        | 0.35        |
| tblVehicleEF | OBUS | 0.55        | 0.49        |
| tblVehicleEF | OBUS | 5.2050e-003 | 5.1910e-003 |
| tblVehicleEF | OBUS | 0.01        | 0.01        |
| tblVehicleEF | OBUS | 5.2200e-004 | 5.0500e-004 |
| tblVehicleEF | OBUS | 9.8600e-004 | 9.5600e-004 |

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|--------------|------|-------------|-------------|
| tblVehicleEF | OBUS | 0.03        | 0.03        |
| tblVehicleEF | OBUS | 0.57        | 0.69        |
| tblVehicleEF | OBUS | 0.14        | 0.13        |
| tblVehicleEF | OBUS | 0.35        | 0.35        |
| tblVehicleEF | OBUS | 0.58        | 0.52        |
| tblVehicleEF | SBUS | 4.4530e-003 | 4.6460e-003 |
| tblVehicleEF | SBUS | 5.5860e-003 | 5.8530e-003 |
| tblVehicleEF | SBUS | 1.05        | 1.12        |
| tblVehicleEF | SBUS | 2.96        | 2.66        |
| tblVehicleEF | SBUS | 27.16       | 24.72       |
| tblVehicleEF | SBUS | 547.00      | 552.46      |
| tblVehicleEF | SBUS | 1,037.25    | 1,032.35    |
| tblVehicleEF | SBUS | 115.53      | 115.30      |
| tblVehicleEF | SBUS | 5.7400e-004 | 5.6800e-004 |
| tblVehicleEF | SBUS | 7.58        | 7.35        |
| tblVehicleEF | SBUS | 7.03        | 6.65        |
| tblVehicleEF | SBUS | 2.02        | 1.89        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.56        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.05        | 0.04        |
| tblVehicleEF | SBUS | 3.6960e-003 | 3.2240e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.24        | 0.24        |
| tblVehicleEF | SBUS | 2.7470e-003 | 2.7410e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.04        |
| tblVehicleEF | SBUS | 3.4060e-003 | 2.9910e-003 |
| tblVehicleEF | SBUS | 0.03        | 0.03        |



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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.10        | 0.10        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.30        | 0.28        |
| tblVehicleEF | SBUS | 1.95        | 1.92        |
| tblVehicleEF | SBUS | 1.66        | 1.48        |
| tblVehicleEF | SBUS | 5.7980e-003 | 5.8560e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 1.7600e-003 | 1.7140e-003 |
| tblVehicleEF | SBUS | 0.03        | 0.03        |
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.11        | 0.11        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.33        | 0.31        |
| tblVehicleEF | SBUS | 1.95        | 1.92        |
| tblVehicleEF | SBUS | 1.77        | 1.59        |
| tblVehicleEF | SBUS | 4.1970e-003 | 4.3790e-003 |
| tblVehicleEF | SBUS | 5.5860e-003 | 5.8530e-003 |
| tblVehicleEF | SBUS | 0.76        | 0.82        |
| tblVehicleEF | SBUS | 3.03        | 2.73        |
| tblVehicleEF | SBUS | 23.01       | 20.96       |
| tblVehicleEF | SBUS | 579.49      | 585.28      |
| tblVehicleEF | SBUS | 1,037.25    | 1,032.35    |
| tblVehicleEF | SBUS | 115.53      | 115.30      |
| tblVehicleEF | SBUS | 5.7400e-004 | 5.6800e-004 |
| tblVehicleEF | SBUS | 7.82        | 7.58        |
| tblVehicleEF | SBUS | 6.62        | 6.25        |
| tblVehicleEF | SBUS | 1.91        | 1.78        |

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|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.56        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.05        | 0.04        |
| tblVehicleEF | SBUS | 3.6960e-003 | 3.2240e-003 |
| tblVehicleEF | SBUS | 0.01        | 9.4430e-003 |
| tblVehicleEF | SBUS | 0.24        | 0.24        |
| tblVehicleEF | SBUS | 2.7470e-003 | 2.7410e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.04        |
| tblVehicleEF | SBUS | 3.4060e-003 | 2.9910e-003 |
| tblVehicleEF | SBUS | 0.05        | 0.05        |
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.09        | 0.09        |
| tblVehicleEF | SBUS | 0.02        | 0.02        |
| tblVehicleEF | SBUS | 0.30        | 0.29        |
| tblVehicleEF | SBUS | 1.79        | 1.77        |
| tblVehicleEF | SBUS | 1.49        | 1.33        |
| tblVehicleEF | SBUS | 6.1430e-003 | 6.2040e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 1.6900e-003 | 1.6500e-003 |
| tblVehicleEF | SBUS | 0.05        | 0.05        |
| tblVehicleEF | SBUS | 0.21        | 0.20        |
| tblVehicleEF | SBUS | 0.10        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 0.02        |
| tblVehicleEF | SBUS | 0.34        | 0.32        |
| tblVehicleEF | SBUS | 1.79        | 1.77        |
| tblVehicleEF | SBUS | 1.59        | 1.42        |
| tblVehicleEF | SBUS | 4.8080e-003 | 5.0160e-003 |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 5.5860e-003 | 5.8530e-003 |
| tblVehicleEF | SBUS | 1.45        | 1.55        |
| tblVehicleEF | SBUS | 2.94        | 2.64        |
| tblVehicleEF | SBUS | 27.94       | 25.44       |
| tblVehicleEF | SBUS | 502.12      | 507.13      |
| tblVehicleEF | SBUS | 1,037.25    | 1,032.35    |
| tblVehicleEF | SBUS | 115.53      | 115.30      |
| tblVehicleEF | SBUS | 5.7400e-004 | 5.6800e-004 |
| tblVehicleEF | SBUS | 7.24        | 7.02        |
| tblVehicleEF | SBUS | 6.92        | 6.54        |
| tblVehicleEF | SBUS | 2.04        | 1.91        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.57        | 0.56        |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 0.05        | 0.04        |
| tblVehicleEF | SBUS | 3.6960e-003 | 3.2240e-003 |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.24        | 0.24        |
| tblVehicleEF | SBUS | 2.7470e-003 | 2.7410e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.04        |
| tblVehicleEF | SBUS | 3.4060e-003 | 2.9910e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.03        |
| tblVehicleEF | SBUS | 0.25        | 0.24        |
| tblVehicleEF | SBUS | 0.10        | 0.11        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.29        | 0.28        |
| tblVehicleEF | SBUS | 2.30        | 2.26        |
| tblVehicleEF | SBUS | 1.69        | 1.52        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | SBUS | 5.3230e-003 | 5.3760e-003 |
| tblVehicleEF | SBUS | 0.01        | 0.01        |
| tblVehicleEF | SBUS | 1.7730e-003 | 1.7260e-003 |
| tblVehicleEF | SBUS | 0.04        | 0.03        |
| tblVehicleEF | SBUS | 0.25        | 0.24        |
| tblVehicleEF | SBUS | 0.12        | 0.12        |
| tblVehicleEF | SBUS | 0.02        | 0.01        |
| tblVehicleEF | SBUS | 0.33        | 0.31        |
| tblVehicleEF | SBUS | 2.30        | 2.26        |
| tblVehicleEF | SBUS | 1.81        | 1.62        |
| tblVehicleEF | UBUS | 4.38        | 4.22        |
| tblVehicleEF | UBUS | 9.86        | 9.55        |
| tblVehicleEF | UBUS | 1,917.54    | 1,907.03    |
| tblVehicleEF | UBUS | 27.32       | 27.40       |
| tblVehicleEF | UBUS | 2.4830e-003 | 2.5030e-003 |
| tblVehicleEF | UBUS | 10.91       | 10.49       |
| tblVehicleEF | UBUS | 1.17        | 1.15        |
| tblVehicleEF | UBUS | 0.68        | 0.68        |
| tblVehicleEF | UBUS | 0.18        | 0.17        |
| tblVehicleEF | UBUS | 6.0900e-004 | 5.8900e-004 |
| tblVehicleEF | UBUS | 0.29        | 0.29        |
| tblVehicleEF | UBUS | 0.16        | 0.16        |
| tblVehicleEF | UBUS | 5.6400e-004 | 5.4700e-004 |
| tblVehicleEF | UBUS | 5.4570e-003 | 5.3760e-003 |
| tblVehicleEF | UBUS | 0.09        | 0.09        |
| tblVehicleEF | UBUS | 3.0100e-003 | 2.9670e-003 |
| tblVehicleEF | UBUS | 0.72        | 0.70        |
| tblVehicleEF | UBUS | 0.78        | 0.83        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 0.73        | 0.71        |
| tblVehicleEF | UBUS | 0.02        | 0.02        |
| tblVehicleEF | UBUS | 4.8100e-004 | 4.7600e-004 |
| tblVehicleEF | UBUS | 5.4570e-003 | 5.3760e-003 |
| tblVehicleEF | UBUS | 0.09        | 0.09        |
| tblVehicleEF | UBUS | 3.0100e-003 | 2.9670e-003 |
| tblVehicleEF | UBUS | 0.80        | 0.78        |
| tblVehicleEF | UBUS | 0.78        | 0.83        |
| tblVehicleEF | UBUS | 0.78        | 0.76        |
| tblVehicleEF | UBUS | 4.44        | 4.28        |
| tblVehicleEF | UBUS | 8.28        | 8.02        |
| tblVehicleEF | UBUS | 1,917.54    | 1,907.03    |
| tblVehicleEF | UBUS | 27.32       | 27.40       |
| tblVehicleEF | UBUS | 2.4830e-003 | 2.5030e-003 |
| tblVehicleEF | UBUS | 10.28       | 9.88        |
| tblVehicleEF | UBUS | 1.12        | 1.10        |
| tblVehicleEF | UBUS | 0.68        | 0.68        |
| tblVehicleEF | UBUS | 0.18        | 0.17        |
| tblVehicleEF | UBUS | 6.0900e-004 | 5.8900e-004 |
| tblVehicleEF | UBUS | 0.29        | 0.29        |
| tblVehicleEF | UBUS | 0.16        | 0.16        |
| tblVehicleEF | UBUS | 5.6400e-004 | 5.4700e-004 |
| tblVehicleEF | UBUS | 8.0610e-003 | 7.9260e-003 |
| tblVehicleEF | UBUS | 0.10        | 0.09        |
| tblVehicleEF | UBUS | 4.5490e-003 | 4.4570e-003 |
| tblVehicleEF | UBUS | 0.73        | 0.71        |
| tblVehicleEF | UBUS | 0.73        | 0.77        |
| tblVehicleEF | UBUS | 0.65        | 0.64        |

|              |      |             |             |
|--------------|------|-------------|-------------|
| tblVehicleEF | UBUS | 0.02        | 0.02        |
| tblVehicleEF | UBUS | 4.5400e-004 | 4.5000e-004 |
| tblVehicleEF | UBUS | 8.0610e-003 | 7.9260e-003 |
| tblVehicleEF | UBUS | 0.10        | 0.09        |
| tblVehicleEF | UBUS | 4.5490e-003 | 4.4570e-003 |
| tblVehicleEF | UBUS | 0.81        | 0.79        |
| tblVehicleEF | UBUS | 0.73        | 0.77        |
| tblVehicleEF | UBUS | 0.70        | 0.68        |
| tblVehicleEF | UBUS | 4.37        | 4.21        |
| tblVehicleEF | UBUS | 9.99        | 9.68        |
| tblVehicleEF | UBUS | 1,917.54    | 1,907.03    |
| tblVehicleEF | UBUS | 27.32       | 27.40       |
| tblVehicleEF | UBUS | 2.4830e-003 | 2.5030e-003 |
| tblVehicleEF | UBUS | 10.70       | 10.29       |
| tblVehicleEF | UBUS | 1.18        | 1.15        |
| tblVehicleEF | UBUS | 0.68        | 0.68        |
| tblVehicleEF | UBUS | 0.18        | 0.17        |
| tblVehicleEF | UBUS | 6.0900e-004 | 5.8900e-004 |
| tblVehicleEF | UBUS | 0.29        | 0.29        |
| tblVehicleEF | UBUS | 0.16        | 0.16        |
| tblVehicleEF | UBUS | 5.6400e-004 | 5.4700e-004 |
| tblVehicleEF | UBUS | 6.2690e-003 | 6.1660e-003 |
| tblVehicleEF | UBUS | 0.12        | 0.11        |
| tblVehicleEF | UBUS | 3.2440e-003 | 3.1950e-003 |
| tblVehicleEF | UBUS | 0.72        | 0.70        |
| tblVehicleEF | UBUS | 0.92        | 0.97        |
| tblVehicleEF | UBUS | 0.73        | 0.72        |
| tblVehicleEF | UBUS | 0.02        | 0.02        |

|                 |                    |             |             |
|-----------------|--------------------|-------------|-------------|
| tblVehicleEF    | UBUS               | 4.8300e-004 | 4.7900e-004 |
| tblVehicleEF    | UBUS               | 6.2690e-003 | 6.1660e-003 |
| tblVehicleEF    | UBUS               | 0.12        | 0.11        |
| tblVehicleEF    | UBUS               | 3.2440e-003 | 3.1950e-003 |
| tblVehicleEF    | UBUS               | 0.80        | 0.77        |
| tblVehicleEF    | UBUS               | 0.92        | 0.97        |
| tblVehicleEF    | UBUS               | 0.78        | 0.77        |
| tblVehicleTrips | ST_TR              | 1.59        | 35.00       |
| tblVehicleTrips | SU_TR              | 1.59        | 35.00       |
| tblVehicleTrips | WD_TR              | 1.59        | 35.00       |
| tblVehicleTrips | WD_TR              | 6.59        | 5.88        |
| tblVehicleTrips | WD_TR              | 27.92       | 10.64       |
| tblVehicleTrips | WD_TR              | 56.24       | 38.41       |
| tblVehicleTrips | WD_TR              | 42.94       | 101.19      |
| tblWoodstoves   | NumberCatalytic    | 37.05       | 0.00        |
| tblWoodstoves   | NumberNoncatalytic | 37.05       | 0.00        |
| tblWoodstoves   | WoodstoveDayYear   | 25.00       | 0.00        |
| tblWoodstoves   | WoodstoveWoodMass  | 999.60      | 0.00        |

## 2.0 Emissions Summary

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## 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         |                    |                    |               |               |                    |
| 2016         | 1.5611         | 15.8757        | 14.8099        | 0.0272        | 1.9419         | 0.6454        | 2.5873         | 0.7364         | 0.5966        | 1.3331        | 0.0000        | 2,393.7998         | 2,393.7998         | 0.2977        | 0.0000        | 2,400.0506         |
| 2017         | 3.3562         | 13.1616        | 20.2302        | 0.0421        | 3.1264         | 0.5456        | 3.6720         | 1.0755         | 0.5073        | 1.5828        | 0.0000        | 3,417.9267         | 3,417.9267         | 0.2895        | 0.0000        | 3,424.0070         |
| 2018         | 3.4449         | 7.8104         | 15.8436        | 0.0363        | 2.0890         | 0.2949        | 2.3838         | 0.5604         | 0.2761        | 0.8365        | 0.0000        | 2,815.3216         | 2,815.3216         | 0.1752        | 0.0000        | 2,819.0002         |
| 2019         | 4.7425         | 9.5482         | 12.8772        | 0.0282        | 1.4553         | 0.4010        | 1.8563         | 0.4375         | 0.3725        | 0.8100        | 0.0000        | 2,245.8493         | 2,245.8493         | 0.2662        | 0.0000        | 2,251.4394         |
| 2020         | 1.1824         | 10.9821        | 13.1074        | 0.0313        | 1.6706         | 0.4091        | 2.0797         | 0.5624         | 0.3787        | 0.9411        | 0.0000        | 2,513.0474         | 2,513.0474         | 0.2662        | 0.0000        | 2,518.6371         |
| 2021         | 3.3864         | 5.3166         | 13.0886        | 0.0350        | 2.0314         | 0.1863        | 2.2177         | 0.5452         | 0.1743        | 0.7195        | 0.0000        | 2,532.6288         | 2,532.6288         | 0.1435        | 0.0000        | 2,535.6425         |
| 2022         | 4.3504         | 1.3805         | 3.3252         | 8.8400e-003   | 0.4973         | 0.0570        | 0.5542         | 0.1330         | 0.0533        | 0.1862        | 0.0000        | 633.8594           | 633.8594           | 0.0567        | 0.0000        | 635.0502           |
| <b>Total</b> | <b>22.0238</b> | <b>64.0752</b> | <b>93.2821</b> | <b>0.2089</b> | <b>12.8119</b> | <b>2.5391</b> | <b>15.3510</b> | <b>4.0504</b>  | <b>2.3587</b> | <b>6.4091</b> | <b>0.0000</b> | <b>16,552.4331</b> | <b>16,552.4331</b> | <b>1.4949</b> | <b>0.0000</b> | <b>16,583.8267</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     | tons/yr        |                |                |               |                |               |                |                |               |               | MT/yr           |                    |                    |                |               |                    |
| Area         | 11.2799        | 0.0890         | 7.6973         | 4.1000e-004   |                | 0.0423        | 0.0423         |                | 0.0423        | 0.0423        | 0.0000          | 12.5409            | 12.5409            | 0.0123         | 0.0000        | 12.7998            |
| Energy       | 0.1457         | 1.2932         | 0.8825         | 7.9500e-003   |                | 0.1007        | 0.1007         |                | 0.1007        | 0.1007        | 0.0000          | 7,000.3901         | 7,000.3901         | 0.2831         | 0.0793        | 7,030.9188         |
| Mobile       | 7.7509         | 19.5403        | 82.7963        | 0.2660        | 17.9326        | 0.3581        | 18.2906        | 4.7995         | 0.3304        | 5.1298        | 0.0000          | 18,272.1635        | 18,272.1635        | 0.6152         | 0.0000        | 18,285.0834        |
| Waste        |                |                |                |               |                | 0.0000        | 0.0000         |                | 0.0000        | 0.0000        | 764.4437        | 0.0000             | 764.4437           | 45.1773        | 0.0000        | 1,713.1675         |
| Water        |                |                |                |               |                | 0.0000        | 0.0000         |                | 0.0000        | 0.0000        | 53.6346         | 970.6275           | 1,024.2621         | 5.5534         | 0.1393        | 1,184.0684         |
| <b>Total</b> | <b>19.1765</b> | <b>20.9225</b> | <b>91.3760</b> | <b>0.2743</b> | <b>17.9326</b> | <b>0.5010</b> | <b>18.4336</b> | <b>4.7995</b>  | <b>0.4733</b> | <b>5.2727</b> | <b>818.0783</b> | <b>26,255.7220</b> | <b>27,073.8002</b> | <b>51.6415</b> | <b>0.2186</b> | <b>28,226.0379</b> |

## 2.2 Overall Operational

### 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         | 9.9123         | 0.0795         | 6.7690         | 3.3000e-004   |                | 0.0368        | 0.0368         |                | 0.0368        | 0.0368        | 0.0000          | 10.6535            | 10.6535            | 9.3700e-003    | 0.0000        | 10.8503            |
| Energy       | 0.1223         | 1.0858         | 0.7406         | 6.6700e-003   |                | 0.0845        | 0.0845         |                | 0.0845        | 0.0845        | 0.0000          | 4,127.9606         | 4,127.9606         | 0.1573         | 0.0499        | 4,146.7455         |
| Mobile       | 6.9935         | 14.1410        | 64.2242        | 0.1793        | 11.8972        | 0.2467        | 12.1440        | 3.1842         | 0.2277        | 3.4118        | 0.0000          | 12,313.9820        | 12,313.9820        | 0.4260         | 0.0000        | 12,322.9288        |
| Waste        |                |                |                |               |                | 0.0000        | 0.0000         |                | 0.0000        | 0.0000        | 764.4437        | 0.0000             | 764.4437           | 45.1773        | 0.0000        | 1,713.1675         |
| Water        |                |                |                |               |                | 0.0000        | 0.0000         |                | 0.0000        | 0.0000        | 42.9077         | 823.8570           | 866.7647           | 4.4441         | 0.1117        | 994.7266           |
| <b>Total</b> | <b>17.0281</b> | <b>15.3063</b> | <b>71.7338</b> | <b>0.1863</b> | <b>11.8972</b> | <b>0.3681</b> | <b>12.2653</b> | <b>3.1842</b>  | <b>0.3490</b> | <b>3.5332</b> | <b>807.3514</b> | <b>17,276.4531</b> | <b>18,083.8045</b> | <b>50.2141</b> | <b>0.1617</b> | <b>19,188.4186</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>11.20</b> | <b>26.84</b> | <b>21.50</b> | <b>32.10</b> | <b>33.66</b>  | <b>26.53</b> | <b>33.46</b> | <b>33.66</b>   | <b>26.26</b>  | <b>32.99</b> | <b>1.31</b> | <b>34.20</b> | <b>33.21</b> | <b>2.76</b> | <b>26.05</b> | <b>32.02</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            | Phase One:Demolition              | Demolition            | 1/1/2016   | 4/29/2016  | 5             | 86       |                   |
| 2            | Phase One: Grading                | Grading               | 3/1/2016   | 3/31/2017  | 5             | 284      |                   |
| 3            | Phase One:Building Construction   | Building Construction | 9/1/2016   | 4/30/2019  | 5             | 694      |                   |
| 4            | Phase Two: Paving                 | Paving                | 4/3/2017   | 12/29/2017 | 5             | 195      |                   |
| 5            | Phase Two: Architectural Coating  | Architectural Coating | 5/1/2017   | 10/31/2017 | 5             | 132      |                   |
| 6            | Phase One:Architectural Coating   | Architectural Coating | 7/2/2018   | 10/31/2019 | 5             | 349      |                   |
| 7            | Phase One:Paving                  | Paving                | 11/1/2018  | 11/29/2019 | 5             | 282      |                   |
| 8            | Phase Three: Demolition           | Demolition            | 7/1/2019   | 11/29/2019 | 5             | 110      |                   |
| 9            | Phase Three: Grading              | Grading               | 10/1/2019  | 12/31/2019 | 5             | 66       |                   |
| 10           | Phase Three: Construction         | Building Construction | 12/2/2019  | 3/31/2020  | 5             | 87       |                   |
| 11           | Phase Four:Demolition             | Demolition            | 1/1/2020   | 6/30/2020  | 5             | 130      |                   |
| 12           | Phase Four: Grading               | Grading               | 6/1/2020   | 12/31/2020 | 5             | 154      |                   |
| 13           | Phase Four: Construction          | Building Construction | 11/2/2020  | 2/28/2022  | 5             | 346      |                   |
| 14           | Phase Four: Architectural Coating | Architectural Coating | 9/1/2021   | 7/29/2022  | 5             | 238      |                   |
| 15           | Phase Four: Paving                | Paving                | 4/1/2022   | 7/29/2022  | 5             | 86       |                   |

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

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

**Acres of Paving: 0**

**Residential Indoor: 452,081; Residential Outdoor: 150,694; Non-Residential Indoor: 142,500; Non-Residential Outdoor: 47,500 (Architectural Coating – sqft)**

**OffRoad Equipment**

| Phase Name           | Offroad Equipment Type   | Amount | Usage Hours | Horse Power | Load Factor |
|----------------------|--------------------------|--------|-------------|-------------|-------------|
| Phase One:Demolition | Concrete/Industrial Saws | 1      | 8.00        | 81          | 0.73        |
| Phase One:Demolition | Excavators               | 3      | 8.00        | 162         | 0.38        |

|                                  |                           |   |      |     |      |
|----------------------------------|---------------------------|---|------|-----|------|
| Phase One:Demolition             | Rubber Tired Dozers       | 2 | 8.00 | 255 | 0.40 |
| Phase One: Grading               | Excavators                | 2 | 8.00 | 162 | 0.38 |
| Phase One: Grading               | Graders                   | 1 | 8.00 | 174 | 0.41 |
| Phase One: Grading               | Rubber Tired Dozers       | 1 | 8.00 | 255 | 0.40 |
| Phase One: Grading               | Scrapers                  | 2 | 8.00 | 361 | 0.48 |
| Phase One: Grading               | Tractors/Loaders/Backhoes | 2 | 8.00 | 97  | 0.37 |
| Phase One:Building Construction  | Cranes                    | 1 | 7.00 | 226 | 0.29 |
| Phase One:Building Construction  | Forklifts                 | 3 | 8.00 | 89  | 0.20 |
| Phase One:Building Construction  | Generator Sets            | 1 | 8.00 | 84  | 0.74 |
| Phase One:Building Construction  | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Phase One:Building Construction  | Welders                   | 1 | 8.00 | 46  | 0.45 |
| Phase Two: Paving                | Pavers                    | 2 | 8.00 | 125 | 0.42 |
| Phase Two: Paving                | Paving Equipment          | 2 | 8.00 | 130 | 0.36 |
| Phase Two: Paving                | Rollers                   | 2 | 8.00 | 80  | 0.38 |
| Phase Two: Architectural Coating | Air Compressors           | 1 | 6.00 | 78  | 0.48 |
| Phase One:Architectural Coating  | Air Compressors           | 1 | 6.00 | 78  | 0.48 |
| Phase One:Paving                 | Pavers                    | 2 | 8.00 | 125 | 0.42 |
| Phase One:Paving                 | Paving Equipment          | 2 | 8.00 | 130 | 0.36 |
| Phase One:Paving                 | Rollers                   | 2 | 8.00 | 80  | 0.38 |
| Phase Three: Demolition          | Concrete/Industrial Saws  | 1 | 8.00 | 81  | 0.73 |
| Phase Three: Demolition          | Excavators                | 3 | 8.00 | 162 | 0.38 |
| Phase Three: Demolition          | Rubber Tired Dozers       | 2 | 8.00 | 255 | 0.40 |
| Phase Three: Grading             | Excavators                | 2 | 8.00 | 162 | 0.38 |
| Phase Three: Grading             | Graders                   | 1 | 8.00 | 174 | 0.41 |
| Phase Three: Grading             | Rubber Tired Dozers       | 1 | 8.00 | 255 | 0.40 |
| Phase Three: Grading             | Scrapers                  | 2 | 8.00 | 361 | 0.48 |
| Phase Three: Grading             | Tractors/Loaders/Backhoes | 2 | 8.00 | 97  | 0.37 |
| Phase Three: Construction        | Cranes                    | 1 | 7.00 | 226 | 0.29 |

|                                   |                           |   |      |     |      |
|-----------------------------------|---------------------------|---|------|-----|------|
| Phase Three: Construction         | Forklifts                 | 3 | 8.00 | 89  | 0.20 |
| Phase Three: Construction         | Generator Sets            | 1 | 8.00 | 84  | 0.74 |
| Phase Three: Construction         | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Phase Three: Construction         | Welders                   | 1 | 8.00 | 46  | 0.45 |
| Phase Four: Demolition            | Concrete/Industrial Saws  | 1 | 8.00 | 81  | 0.73 |
| Phase Four: Demolition            | Excavators                | 3 | 8.00 | 162 | 0.38 |
| Phase Four: Demolition            | Rubber Tired Dozers       | 2 | 8.00 | 255 | 0.40 |
| Phase Four: Grading               | Excavators                | 2 | 8.00 | 162 | 0.38 |
| Phase Four: Grading               | Graders                   | 1 | 8.00 | 174 | 0.41 |
| Phase Four: Grading               | Rubber Tired Dozers       | 1 | 8.00 | 255 | 0.40 |
| Phase Four: Grading               | Scrapers                  | 2 | 8.00 | 361 | 0.48 |
| Phase Four: Grading               | Tractors/Loaders/Backhoes | 2 | 8.00 | 97  | 0.37 |
| Phase Four: Construction          | Cranes                    | 1 | 7.00 | 226 | 0.29 |
| Phase Four: Construction          | Forklifts                 | 3 | 8.00 | 89  | 0.20 |
| Phase Four: Construction          | Generator Sets            | 1 | 8.00 | 84  | 0.74 |
| Phase Four: Construction          | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Phase Four: Construction          | Welders                   | 1 | 8.00 | 46  | 0.45 |
| Phase Four: Architectural Coating | Air Compressors           | 1 | 6.00 | 78  | 0.48 |
| Phase Four: Paving                | Pavers                    | 2 | 8.00 | 125 | 0.42 |
| Phase Four: Paving                | Paving Equipment          | 2 | 8.00 | 130 | 0.36 |
| Phase Four: Paving                | Rollers                   | 2 | 8.00 | 80  | 0.38 |

**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 |
|-----------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Phase One:Demolition              | 6                       | 15.00              | 0.00               | 1,892.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One: Grading                | 8                       | 20.00              | 0.00               | 22,500.00           | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One:Building Construction   | 9                       | 1,143.00           | 354.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Two: Paving                 | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Two: Architectural Coating  | 1                       | 229.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One: Architectural Coating  | 1                       | 229.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase One:Paving                  | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Three: Demolition           | 6                       | 15.00              | 0.00               | 628.00              | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Three: Grading              | 8                       | 20.00              | 0.00               | 8,525.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Three: Construction         | 9                       | 1,143.00           | 354.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Demolition            | 6                       | 15.00              | 0.00               | 1,287.00            | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Grading               | 8                       | 20.00              | 0.00               | 25,000.00           | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Construction          | 9                       | 1,143.00           | 354.00             | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Architectural Coating | 1                       | 229.00             | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase Four: Paving                | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

### 3.1 Mitigation Measures Construction

Water Exposed Area

Clean Paved Roads

**3.2 Phase One:Demolition - 2016**

**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 |               |               |               |                    | 0.2048        | 0.0000        | 0.2048        | 0.0310         | 0.0000        | 0.0310        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.1844        | 1.9632        | 1.5063        | 1.7200e-003        |               | 0.0986        | 0.0986        |                | 0.0919        | 0.0919        | 0.0000        | 159.5187        | 159.5187        | 0.0434        | 0.0000        | 160.4296        |
| <b>Total</b>  | <b>0.1844</b> | <b>1.9632</b> | <b>1.5063</b> | <b>1.7200e-003</b> | <b>0.2048</b> | <b>0.0986</b> | <b>0.3033</b> | <b>0.0310</b>  | <b>0.0919</b> | <b>0.1229</b> | <b>0.0000</b> | <b>159.5187</b> | <b>159.5187</b> | <b>0.0434</b> | <b>0.0000</b> | <b>160.4296</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      | 0.0168        | 0.2733        | 0.2066        | 7.0000e-004        | 0.0162        | 4.1200e-003        | 0.0203        | 4.4500e-003        | 3.7900e-003        | 8.2400e-003   | 0.0000        | 63.7134        | 63.7134        | 4.6000e-004        | 0.0000        | 63.7229        |
| 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       | 2.5900e-003   | 3.8100e-003   | 0.0396        | 9.0000e-005        | 7.0800e-003   | 6.0000e-005        | 7.1400e-003   | 1.8800e-003        | 6.0000e-005        | 1.9300e-003   | 0.0000        | 6.6298         | 6.6298         | 3.6000e-004        | 0.0000        | 6.6373         |
| <b>Total</b> | <b>0.0194</b> | <b>0.2771</b> | <b>0.2462</b> | <b>7.9000e-004</b> | <b>0.0233</b> | <b>4.1800e-003</b> | <b>0.0275</b> | <b>6.3300e-003</b> | <b>3.8500e-003</b> | <b>0.0102</b> | <b>0.0000</b> | <b>70.3431</b> | <b>70.3431</b> | <b>8.2000e-004</b> | <b>0.0000</b> | <b>70.3602</b> |



**3.2 Phase One:Demolition - 2016**

**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 |               |               |               |                    | 0.0921        | 0.0000        | 0.0921        | 0.0140         | 0.0000        | 0.0140        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.1844        | 1.9632        | 1.5063        | 1.7200e-003        |               | 0.0986        | 0.0986        |                | 0.0919        | 0.0919        | 0.0000        | 159.5185        | 159.5185        | 0.0434        | 0.0000        | 160.4295        |
| <b>Total</b>  | <b>0.1844</b> | <b>1.9632</b> | <b>1.5063</b> | <b>1.7200e-003</b> | <b>0.0921</b> | <b>0.0986</b> | <b>0.1907</b> | <b>0.0140</b>  | <b>0.0919</b> | <b>0.1058</b> | <b>0.0000</b> | <b>159.5185</b> | <b>159.5185</b> | <b>0.0434</b> | <b>0.0000</b> | <b>160.4295</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      | 0.0168        | 0.2733        | 0.2066        | 7.0000e-004        | 0.0162        | 4.1200e-003        | 0.0203        | 4.4500e-003        | 3.7900e-003        | 8.2400e-003   | 0.0000        | 63.7134        | 63.7134        | 4.6000e-004        | 0.0000        | 63.7229        |
| 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       | 2.5900e-003   | 3.8100e-003   | 0.0396        | 9.0000e-005        | 7.0800e-003   | 6.0000e-005        | 7.1400e-003   | 1.8800e-003        | 6.0000e-005        | 1.9300e-003   | 0.0000        | 6.6298         | 6.6298         | 3.6000e-004        | 0.0000        | 6.6373         |
| <b>Total</b> | <b>0.0194</b> | <b>0.2771</b> | <b>0.2462</b> | <b>7.9000e-004</b> | <b>0.0233</b> | <b>4.1800e-003</b> | <b>0.0275</b> | <b>6.3300e-003</b> | <b>3.8500e-003</b> | <b>0.0102</b> | <b>0.0000</b> | <b>70.3431</b> | <b>70.3431</b> | <b>8.2000e-004</b> | <b>0.0000</b> | <b>70.3602</b> |

**3.3 Phase One: Grading - 2016****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 |               |               |               |                    | 0.8675        | 0.0000        | 0.8675        | 0.4718         | 0.0000        | 0.4718        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.7095        | 8.1921        | 5.3806        | 6.7600e-003        |               | 0.3925        | 0.3925        |                | 0.3611        | 0.3611        | 0.0000        | 637.2432        | 637.2432        | 0.1922        | 0.0000        | 641.2797        |
| <b>Total</b>  | <b>0.7095</b> | <b>8.1921</b> | <b>5.3806</b> | <b>6.7600e-003</b> | <b>0.8675</b> | <b>0.3925</b> | <b>1.2600</b> | <b>0.4718</b>  | <b>0.3611</b> | <b>0.8329</b> | <b>0.0000</b> | <b>637.2432</b> | <b>637.2432</b> | <b>0.1922</b> | <b>0.0000</b> | <b>641.2797</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      | 0.1544        | 2.5065        | 1.8945        | 6.3900e-003        | 0.1820        | 0.0378        | 0.2198        | 0.0490         | 0.0348        | 0.0837        | 0.0000        | 584.2754        | 584.2754        | 4.1800e-003        | 0.0000        | 584.3632        |
| 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       | 8.8000e-003   | 0.0129        | 0.1344        | 3.0000e-004        | 0.0240        | 2.0000e-004   | 0.0242        | 6.3800e-003    | 1.9000e-004   | 6.5700e-003   | 0.0000        | 22.5105         | 22.5105         | 1.2100e-003        | 0.0000        | 22.5359         |
| <b>Total</b> | <b>0.1632</b> | <b>2.5194</b> | <b>2.0289</b> | <b>6.6900e-003</b> | <b>0.2061</b> | <b>0.0380</b> | <b>0.2441</b> | <b>0.0554</b>  | <b>0.0350</b> | <b>0.0903</b> | <b>0.0000</b> | <b>606.7859</b> | <b>606.7859</b> | <b>5.3900e-003</b> | <b>0.0000</b> | <b>606.8991</b> |

### 3.3 Phase One: Grading - 2016

#### 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 |               |               |               |                    | 0.3904        | 0.0000        | 0.3904        | 0.2123         | 0.0000        | 0.2123        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.7095        | 8.1921        | 5.3805        | 6.7600e-003        |               | 0.3925        | 0.3925        |                | 0.3611        | 0.3611        | 0.0000        | 637.2424        | 637.2424        | 0.1922        | 0.0000        | 641.2790        |
| <b>Total</b>  | <b>0.7095</b> | <b>8.1921</b> | <b>5.3805</b> | <b>6.7600e-003</b> | <b>0.3904</b> | <b>0.3925</b> | <b>0.7829</b> | <b>0.2123</b>  | <b>0.3611</b> | <b>0.5734</b> | <b>0.0000</b> | <b>637.2424</b> | <b>637.2424</b> | <b>0.1922</b> | <b>0.0000</b> | <b>641.2790</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      | 0.1544        | 2.5065        | 1.8945        | 6.3900e-003        | 0.1820        | 0.0378        | 0.2198        | 0.0490         | 0.0348        | 0.0837        | 0.0000        | 584.2754        | 584.2754        | 4.1800e-003        | 0.0000        | 584.3632        |
| 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       | 8.8000e-003   | 0.0129        | 0.1344        | 3.0000e-004        | 0.0240        | 2.0000e-004   | 0.0242        | 6.3800e-003    | 1.9000e-004   | 6.5700e-003   | 0.0000        | 22.5105         | 22.5105         | 1.2100e-003        | 0.0000        | 22.5359         |
| <b>Total</b> | <b>0.1632</b> | <b>2.5194</b> | <b>2.0289</b> | <b>6.6900e-003</b> | <b>0.2061</b> | <b>0.0380</b> | <b>0.2441</b> | <b>0.0554</b>  | <b>0.0350</b> | <b>0.0903</b> | <b>0.0000</b> | <b>606.7859</b> | <b>606.7859</b> | <b>5.3900e-003</b> | <b>0.0000</b> | <b>606.8991</b> |

### 3.3 Phase One: Grading - 2017

#### 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 |               |               |               |                    | 0.8675        | 0.0000        | 0.8675        | 0.4718         | 0.0000        | 0.4718        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.1982        | 2.2617        | 1.5212        | 2.0100e-003        |               | 0.1078        | 0.1078        |                | 0.0992        | 0.0992        | 0.0000        | 186.1402        | 186.1402        | 0.0570        | 0.0000        | 187.3379        |
| <b>Total</b>  | <b>0.1982</b> | <b>2.2617</b> | <b>1.5212</b> | <b>2.0100e-003</b> | <b>0.8675</b> | <b>0.1078</b> | <b>0.9754</b> | <b>0.4718</b>  | <b>0.0992</b> | <b>0.5710</b> | <b>0.0000</b> | <b>186.1402</b> | <b>186.1402</b> | <b>0.0570</b> | <b>0.0000</b> | <b>187.3379</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      | 0.0432        | 0.6818        | 0.5421        | 1.9000e-003        | 0.1564        | 0.0103        | 0.1667        | 0.0397         | 9.4300e-003        | 0.0491        | 0.0000        | 170.5682        | 170.5682        | 1.2100e-003        | 0.0000        | 170.5937        |
| 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       | 2.3400e-003   | 3.4600e-003   | 0.0360        | 9.0000e-005        | 7.1300e-003   | 6.0000e-005   | 7.1900e-003   | 1.8900e-003    | 5.0000e-005        | 1.9500e-003   | 0.0000        | 6.4247          | 6.4247          | 3.3000e-004        | 0.0000        | 6.4316          |
| <b>Total</b> | <b>0.0455</b> | <b>0.6853</b> | <b>0.5781</b> | <b>1.9900e-003</b> | <b>0.1635</b> | <b>0.0103</b> | <b>0.1739</b> | <b>0.0416</b>  | <b>9.4800e-003</b> | <b>0.0510</b> | <b>0.0000</b> | <b>176.9928</b> | <b>176.9928</b> | <b>1.5400e-003</b> | <b>0.0000</b> | <b>177.0253</b> |

### 3.3 Phase One: Grading - 2017

#### 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 |               |               |               |                    | 0.3904        | 0.0000        | 0.3904        | 0.2123         | 0.0000        | 0.2123        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.1982        | 2.2617        | 1.5212        | 2.0100e-003        |               | 0.1078        | 0.1078        |                | 0.0992        | 0.0992        | 0.0000        | 186.1400        | 186.1400        | 0.0570        | 0.0000        | 187.3377        |
| <b>Total</b>  | <b>0.1982</b> | <b>2.2617</b> | <b>1.5212</b> | <b>2.0100e-003</b> | <b>0.3904</b> | <b>0.1078</b> | <b>0.4982</b> | <b>0.2123</b>  | <b>0.0992</b> | <b>0.3115</b> | <b>0.0000</b> | <b>186.1400</b> | <b>186.1400</b> | <b>0.0570</b> | <b>0.0000</b> | <b>187.3377</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      | 0.0432        | 0.6818        | 0.5421        | 1.9000e-003        | 0.1564        | 0.0103        | 0.1667        | 0.0397         | 9.4300e-003        | 0.0491        | 0.0000        | 170.5682        | 170.5682        | 1.2100e-003        | 0.0000        | 170.5937        |
| 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       | 2.3400e-003   | 3.4600e-003   | 0.0360        | 9.0000e-005        | 7.1300e-003   | 6.0000e-005   | 7.1900e-003   | 1.8900e-003    | 5.0000e-005        | 1.9500e-003   | 0.0000        | 6.4247          | 6.4247          | 3.3000e-004        | 0.0000        | 6.4316          |
| <b>Total</b> | <b>0.0455</b> | <b>0.6853</b> | <b>0.5781</b> | <b>1.9900e-003</b> | <b>0.1635</b> | <b>0.0103</b> | <b>0.1739</b> | <b>0.0416</b>  | <b>9.4800e-003</b> | <b>0.0510</b> | <b>0.0000</b> | <b>176.9928</b> | <b>176.9928</b> | <b>1.5400e-003</b> | <b>0.0000</b> | <b>177.0253</b> |

**3.4 Phase One: Building Construction - 2016****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     | 0.1482        | 1.2400        | 0.8050        | 1.1700e-003        |               | 0.0856        | 0.0856        |                | 0.0804        | 0.0804        | 0.0000        | 105.3368        | 105.3368        | 0.0261        | 0.0000        | 105.8854        |
| <b>Total</b> | <b>0.1482</b> | <b>1.2400</b> | <b>0.8050</b> | <b>1.1700e-003</b> |               | <b>0.0856</b> | <b>0.0856</b> |                | <b>0.0804</b> | <b>0.0804</b> | <b>0.0000</b> | <b>105.3368</b> | <b>105.3368</b> | <b>0.0261</b> | <b>0.0000</b> | <b>105.8854</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       | 0.1366        | 1.3903        | 1.7922        | 3.3400e-003   | 0.0948        | 0.0220        | 0.1167        | 0.0270         | 0.0202        | 0.0473        | 0.0000        | 303.5079        | 303.5079        | 2.2000e-003   | 0.0000        | 303.5541        |
| Worker       | 0.1999        | 0.2936        | 3.0508        | 6.7000e-003   | 0.5455        | 4.6400e-003   | 0.5501        | 0.1449         | 4.2700e-003   | 0.1491        | 0.0000        | 511.0643        | 511.0643        | 0.0275        | 0.0000        | 511.6424        |
| <b>Total</b> | <b>0.3365</b> | <b>1.6839</b> | <b>4.8430</b> | <b>0.0100</b> | <b>0.6403</b> | <b>0.0266</b> | <b>0.6669</b> | <b>0.1719</b>  | <b>0.0245</b> | <b>0.1964</b> | <b>0.0000</b> | <b>814.5722</b> | <b>814.5722</b> | <b>0.0297</b> | <b>0.0000</b> | <b>815.1965</b> |

**3.4 Phase One: Building Construction - 2016****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     | 0.1482        | 1.2400        | 0.8050        | 1.1700e-003        |               | 0.0856        | 0.0856        |                | 0.0804        | 0.0804        | 0.0000        | 105.3367        | 105.3367        | 0.0261        | 0.0000        | 105.8853        |
| <b>Total</b> | <b>0.1482</b> | <b>1.2400</b> | <b>0.8050</b> | <b>1.1700e-003</b> |               | <b>0.0856</b> | <b>0.0856</b> |                | <b>0.0804</b> | <b>0.0804</b> | <b>0.0000</b> | <b>105.3367</b> | <b>105.3367</b> | <b>0.0261</b> | <b>0.0000</b> | <b>105.8853</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       | 0.1366        | 1.3903        | 1.7922        | 3.3400e-003   | 0.0948        | 0.0220        | 0.1167        | 0.0270         | 0.0202        | 0.0473        | 0.0000        | 303.5079        | 303.5079        | 2.2000e-003   | 0.0000        | 303.5541        |
| Worker       | 0.1999        | 0.2936        | 3.0508        | 6.7000e-003   | 0.5455        | 4.6400e-003   | 0.5501        | 0.1449         | 4.2700e-003   | 0.1491        | 0.0000        | 511.0643        | 511.0643        | 0.0275        | 0.0000        | 511.6424        |
| <b>Total</b> | <b>0.3365</b> | <b>1.6839</b> | <b>4.8430</b> | <b>0.0100</b> | <b>0.6403</b> | <b>0.0266</b> | <b>0.6669</b> | <b>0.1719</b>  | <b>0.0245</b> | <b>0.1964</b> | <b>0.0000</b> | <b>814.5722</b> | <b>814.5722</b> | <b>0.0297</b> | <b>0.0000</b> | <b>815.1965</b> |

### 3.4 Phase One: Building Construction - 2017

#### 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     | 0.4033        | 3.4327        | 2.3568        | 3.4900e-003        |               | 0.2316        | 0.2316        |                | 0.2175        | 0.2175        | 0.0000        | 311.3228        | 311.3228        | 0.0766        | 0.0000        | 312.9319        |
| <b>Total</b> | <b>0.4033</b> | <b>3.4327</b> | <b>2.3568</b> | <b>3.4900e-003</b> |               | <b>0.2316</b> | <b>0.2316</b> |                | <b>0.2175</b> | <b>0.2175</b> | <b>0.0000</b> | <b>311.3228</b> | <b>311.3228</b> | <b>0.0766</b> | <b>0.0000</b> | <b>312.9319</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       | 0.3732        | 3.7785        | 5.0754         | 9.9700e-003   | 0.2833        | 0.0586        | 0.3419        | 0.0809         | 0.0539        | 0.1348        | 0.0000        | 892.3358          | 892.3358          | 6.3600e-003   | 0.0000        | 892.4694          |
| Worker       | 0.5348        | 0.7920        | 8.2224         | 0.0200        | 1.6302        | 0.0134        | 1.6436        | 0.4330         | 0.0123        | 0.4453        | 0.0000        | 1,468.6789        | 1,468.6789        | 0.0759        | 0.0000        | 1,470.2729        |
| <b>Total</b> | <b>0.9080</b> | <b>4.5704</b> | <b>13.2978</b> | <b>0.0300</b> | <b>1.9135</b> | <b>0.0720</b> | <b>1.9854</b> | <b>0.5138</b>  | <b>0.0662</b> | <b>0.5800</b> | <b>0.0000</b> | <b>2,361.0146</b> | <b>2,361.0146</b> | <b>0.0823</b> | <b>0.0000</b> | <b>2,362.7423</b> |



### 3.4 Phase One: Building Construction - 2017

#### 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     | 0.4033        | 3.4327        | 2.3568        | 3.4900e-003        |               | 0.2316        | 0.2316        |                | 0.2175        | 0.2175        | 0.0000        | 311.3225        | 311.3225        | 0.0766        | 0.0000        | 312.9315        |
| <b>Total</b> | <b>0.4033</b> | <b>3.4327</b> | <b>2.3568</b> | <b>3.4900e-003</b> |               | <b>0.2316</b> | <b>0.2316</b> |                | <b>0.2175</b> | <b>0.2175</b> | <b>0.0000</b> | <b>311.3225</b> | <b>311.3225</b> | <b>0.0766</b> | <b>0.0000</b> | <b>312.9315</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       | 0.3732        | 3.7785        | 5.0754         | 9.9700e-003   | 0.2833        | 0.0586        | 0.3419        | 0.0809         | 0.0539        | 0.1348        | 0.0000        | 892.3358          | 892.3358          | 6.3600e-003   | 0.0000        | 892.4694          |
| Worker       | 0.5348        | 0.7920        | 8.2224         | 0.0200        | 1.6302        | 0.0134        | 1.6436        | 0.4330         | 0.0123        | 0.4453        | 0.0000        | 1,468.6789        | 1,468.6789        | 0.0759        | 0.0000        | 1,470.2729        |
| <b>Total</b> | <b>0.9080</b> | <b>4.5704</b> | <b>13.2978</b> | <b>0.0300</b> | <b>1.9135</b> | <b>0.0720</b> | <b>1.9854</b> | <b>0.5138</b>  | <b>0.0662</b> | <b>0.5800</b> | <b>0.0000</b> | <b>2,361.0146</b> | <b>2,361.0146</b> | <b>0.0823</b> | <b>0.0000</b> | <b>2,362.7423</b> |

### 3.4 Phase One: Building Construction - 2018

#### 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     | 0.3483        | 3.0355        | 2.2880        | 3.5000e-003        |               | 0.1950        | 0.1950        |                | 0.1833        | 0.1833        | 0.0000        | 308.9844        | 308.9844        | 0.0756        | 0.0000        | 310.5723        |
| <b>Total</b> | <b>0.3483</b> | <b>3.0355</b> | <b>2.2880</b> | <b>3.5000e-003</b> |               | <b>0.1950</b> | <b>0.1950</b> |                | <b>0.1833</b> | <b>0.1833</b> | <b>0.0000</b> | <b>308.9844</b> | <b>308.9844</b> | <b>0.0756</b> | <b>0.0000</b> | <b>310.5723</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       | 0.3504        | 3.4794        | 4.8810         | 0.0100        | 0.2844        | 0.0554        | 0.3398        | 0.0812         | 0.0510        | 0.1322        | 0.0000        | 880.7298          | 880.7298          | 6.3500e-003   | 0.0000        | 880.8631          |
| Worker       | 0.4821        | 0.7211        | 7.4737         | 0.0201        | 1.6365        | 0.0131        | 1.6496        | 0.4346         | 0.0121        | 0.4467        | 0.0000        | 1,419.2991        | 1,419.2991        | 0.0707        | 0.0000        | 1,420.7842        |
| <b>Total</b> | <b>0.8325</b> | <b>4.2004</b> | <b>12.3548</b> | <b>0.0301</b> | <b>1.9209</b> | <b>0.0685</b> | <b>1.9893</b> | <b>0.5158</b>  | <b>0.0631</b> | <b>0.5789</b> | <b>0.0000</b> | <b>2,300.0289</b> | <b>2,300.0289</b> | <b>0.0771</b> | <b>0.0000</b> | <b>2,301.6473</b> |

### 3.4 Phase One: Building Construction - 2018

#### 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     | 0.3483        | 3.0355        | 2.2880        | 3.5000e-003        |               | 0.1950        | 0.1950        |                | 0.1833        | 0.1833        | 0.0000        | 308.9841        | 308.9841        | 0.0756        | 0.0000        | 310.5720        |
| <b>Total</b> | <b>0.3483</b> | <b>3.0355</b> | <b>2.2880</b> | <b>3.5000e-003</b> |               | <b>0.1950</b> | <b>0.1950</b> |                | <b>0.1833</b> | <b>0.1833</b> | <b>0.0000</b> | <b>308.9841</b> | <b>308.9841</b> | <b>0.0756</b> | <b>0.0000</b> | <b>310.5720</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       | 0.3504        | 3.4794        | 4.8810         | 0.0100        | 0.2844        | 0.0554        | 0.3398        | 0.0812         | 0.0510        | 0.1322        | 0.0000        | 880.7298          | 880.7298          | 6.3500e-003   | 0.0000        | 880.8631          |
| Worker       | 0.4821        | 0.7211        | 7.4737         | 0.0201        | 1.6365        | 0.0131        | 1.6496        | 0.4346         | 0.0121        | 0.4467        | 0.0000        | 1,419.2991        | 1,419.2991        | 0.0707        | 0.0000        | 1,420.7842        |
| <b>Total</b> | <b>0.8325</b> | <b>4.2004</b> | <b>12.3548</b> | <b>0.0301</b> | <b>1.9209</b> | <b>0.0685</b> | <b>1.9893</b> | <b>0.5158</b>  | <b>0.0631</b> | <b>0.5789</b> | <b>0.0000</b> | <b>2,300.0289</b> | <b>2,300.0289</b> | <b>0.0771</b> | <b>0.0000</b> | <b>2,301.6473</b> |

**3.4 Phase One: Building Construction - 2019****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     | 0.1011        | 0.9015        | 0.7362        | 1.1500e-003        |               | 0.0553        | 0.0553        |                | 0.0520        | 0.0520        | 0.0000        | 100.6728        | 100.6728        | 0.0245        | 0.0000        | 101.1872        |
| <b>Total</b> | <b>0.1011</b> | <b>0.9015</b> | <b>0.7362</b> | <b>1.1500e-003</b> |               | <b>0.0553</b> | <b>0.0553</b> |                | <b>0.0520</b> | <b>0.0520</b> | <b>0.0000</b> | <b>100.6728</b> | <b>100.6728</b> | <b>0.0245</b> | <b>0.0000</b> | <b>101.1872</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       | 0.1092        | 1.0567        | 1.5537        | 3.2800e-003        | 0.0937        | 0.0173        | 0.1110        | 0.0268         | 0.0160        | 0.0427        | 0.0000        | 284.5598        | 284.5598        | 2.0500e-003   | 0.0000        | 284.6029        |
| Worker       | 0.1459        | 0.2179        | 2.2582        | 6.6000e-003        | 0.5392        | 4.2200e-003   | 0.5435        | 0.1432         | 3.9200e-003   | 0.1471        | 0.0000        | 449.8642        | 449.8642        | 0.0218        | 0.0000        | 450.3222        |
| <b>Total</b> | <b>0.2551</b> | <b>1.2746</b> | <b>3.8119</b> | <b>9.8800e-003</b> | <b>0.6329</b> | <b>0.0216</b> | <b>0.6545</b> | <b>0.1700</b>  | <b>0.0199</b> | <b>0.1898</b> | <b>0.0000</b> | <b>734.4240</b> | <b>734.4240</b> | <b>0.0239</b> | <b>0.0000</b> | <b>734.9252</b> |

### 3.4 Phase One: Building Construction - 2019

#### 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     | 0.1011        | 0.9015        | 0.7362        | 1.1500e-003        |               | 0.0553        | 0.0553        |                | 0.0520        | 0.0520        | 0.0000        | 100.6727        | 100.6727        | 0.0245        | 0.0000        | 101.1871        |
| <b>Total</b> | <b>0.1011</b> | <b>0.9015</b> | <b>0.7362</b> | <b>1.1500e-003</b> |               | <b>0.0553</b> | <b>0.0553</b> |                | <b>0.0520</b> | <b>0.0520</b> | <b>0.0000</b> | <b>100.6727</b> | <b>100.6727</b> | <b>0.0245</b> | <b>0.0000</b> | <b>101.1871</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       | 0.1092        | 1.0567        | 1.5537        | 3.2800e-003        | 0.0937        | 0.0173        | 0.1110        | 0.0268         | 0.0160        | 0.0427        | 0.0000        | 284.5598        | 284.5598        | 2.0500e-003   | 0.0000        | 284.6029        |
| Worker       | 0.1459        | 0.2179        | 2.2582        | 6.6000e-003        | 0.5392        | 4.2200e-003   | 0.5435        | 0.1432         | 3.9200e-003   | 0.1471        | 0.0000        | 449.8642        | 449.8642        | 0.0218        | 0.0000        | 450.3222        |
| <b>Total</b> | <b>0.2551</b> | <b>1.2746</b> | <b>3.8119</b> | <b>9.8800e-003</b> | <b>0.6329</b> | <b>0.0216</b> | <b>0.6545</b> | <b>0.1700</b>  | <b>0.0199</b> | <b>0.1898</b> | <b>0.0000</b> | <b>734.4240</b> | <b>734.4240</b> | <b>0.0239</b> | <b>0.0000</b> | <b>734.9252</b> |

### 3.5 Phase Two: Paving - 2017

#### 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     | 0.1860        | 1.9789        | 1.4359        | 2.1700e-003        |               | 0.1110        | 0.1110        |                | 0.1021        | 0.1021        | 0.0000        | 201.7608        | 201.7608        | 0.0618        | 0.0000        | 203.0590        |
| Paving       | 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>0.1860</b> | <b>1.9789</b> | <b>1.4359</b> | <b>2.1700e-003</b> |               | <b>0.1110</b> | <b>0.1110</b> |                | <b>0.1021</b> | <b>0.1021</b> | <b>0.0000</b> | <b>201.7608</b> | <b>201.7608</b> | <b>0.0618</b> | <b>0.0000</b> | <b>203.0590</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       | 5.2600e-003        | 7.7900e-003        | 0.0809        | 2.0000e-004        | 0.0161        | 1.3000e-004        | 0.0162        | 4.2600e-003        | 1.2000e-004        | 4.3800e-003        | 0.0000        | 14.4555        | 14.4555        | 7.5000e-004        | 0.0000        | 14.4712        |
| <b>Total</b> | <b>5.2600e-003</b> | <b>7.7900e-003</b> | <b>0.0809</b> | <b>2.0000e-004</b> | <b>0.0161</b> | <b>1.3000e-004</b> | <b>0.0162</b> | <b>4.2600e-003</b> | <b>1.2000e-004</b> | <b>4.3800e-003</b> | <b>0.0000</b> | <b>14.4555</b> | <b>14.4555</b> | <b>7.5000e-004</b> | <b>0.0000</b> | <b>14.4712</b> |

### 3.5 Phase Two: Paving - 2017

#### 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     | 0.1860        | 1.9789        | 1.4359        | 2.1700e-003        |               | 0.1110        | 0.1110        |                | 0.1021        | 0.1021        | 0.0000        | 201.7606        | 201.7606        | 0.0618        | 0.0000        | 203.0588        |
| Paving       | 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>0.1860</b> | <b>1.9789</b> | <b>1.4359</b> | <b>2.1700e-003</b> |               | <b>0.1110</b> | <b>0.1110</b> |                | <b>0.1021</b> | <b>0.1021</b> | <b>0.0000</b> | <b>201.7606</b> | <b>201.7606</b> | <b>0.0618</b> | <b>0.0000</b> | <b>203.0588</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       | 5.2600e-003        | 7.7900e-003        | 0.0809        | 2.0000e-004        | 0.0161        | 1.3000e-004        | 0.0162        | 4.2600e-003        | 1.2000e-004        | 4.3800e-003        | 0.0000        | 14.4555        | 14.4555        | 7.5000e-004        | 0.0000        | 14.4712        |
| <b>Total</b> | <b>5.2600e-003</b> | <b>7.7900e-003</b> | <b>0.0809</b> | <b>2.0000e-004</b> | <b>0.0161</b> | <b>1.3000e-004</b> | <b>0.0162</b> | <b>4.2600e-003</b> | <b>1.2000e-004</b> | <b>4.3800e-003</b> | <b>0.0000</b> | <b>14.4555</b> | <b>14.4555</b> | <b>7.5000e-004</b> | <b>0.0000</b> | <b>14.4712</b> |

**3.6 Phase Two: Architectural Coating - 2017**

**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 | 1.5336        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0219        | 0.1442        | 0.1233        | 2.0000e-004        |               | 0.0114        | 0.0114        |                | 0.0114        | 0.0114        | 0.0000        | 16.8515        | 16.8515        | 1.7800e-003        | 0.0000        | 16.8888        |
| <b>Total</b>    | <b>1.5555</b> | <b>0.1442</b> | <b>0.1233</b> | <b>2.0000e-004</b> |               | <b>0.0114</b> | <b>0.0114</b> |                | <b>0.0114</b> | <b>0.0114</b> | <b>0.0000</b> | <b>16.8515</b> | <b>16.8515</b> | <b>1.7800e-003</b> | <b>0.0000</b> | <b>16.8888</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       | 0.0544        | 0.0806        | 0.8364        | 2.0400e-003        | 0.1658        | 1.3600e-003        | 0.1672        | 0.0440         | 1.2500e-003        | 0.0453        | 0.0000        | 149.3883        | 149.3883        | 7.7200e-003        | 0.0000        | 149.5505        |
| <b>Total</b> | <b>0.0544</b> | <b>0.0806</b> | <b>0.8364</b> | <b>2.0400e-003</b> | <b>0.1658</b> | <b>1.3600e-003</b> | <b>0.1672</b> | <b>0.0440</b>  | <b>1.2500e-003</b> | <b>0.0453</b> | <b>0.0000</b> | <b>149.3883</b> | <b>149.3883</b> | <b>7.7200e-003</b> | <b>0.0000</b> | <b>149.5505</b> |



**3.6 Phase Two: Architectural Coating - 2017****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 | 1.5336        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0219        | 0.1442        | 0.1233        | 2.0000e-004        |               | 0.0114        | 0.0114        |                | 0.0114        | 0.0114        | 0.0000        | 16.8515        | 16.8515        | 1.7800e-003        | 0.0000        | 16.8888        |
| <b>Total</b>    | <b>1.5555</b> | <b>0.1442</b> | <b>0.1233</b> | <b>2.0000e-004</b> |               | <b>0.0114</b> | <b>0.0114</b> |                | <b>0.0114</b> | <b>0.0114</b> | <b>0.0000</b> | <b>16.8515</b> | <b>16.8515</b> | <b>1.7800e-003</b> | <b>0.0000</b> | <b>16.8888</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       | 0.0544        | 0.0806        | 0.8364        | 2.0400e-003        | 0.1658        | 1.3600e-003        | 0.1672        | 0.0440         | 1.2500e-003        | 0.0453        | 0.0000        | 149.3883        | 149.3883        | 7.7200e-003        | 0.0000        | 149.5505        |
| <b>Total</b> | <b>0.0544</b> | <b>0.0806</b> | <b>0.8364</b> | <b>2.0400e-003</b> | <b>0.1658</b> | <b>1.3600e-003</b> | <b>0.1672</b> | <b>0.0440</b>  | <b>1.2500e-003</b> | <b>0.0453</b> | <b>0.0000</b> | <b>149.3883</b> | <b>149.3883</b> | <b>7.7200e-003</b> | <b>0.0000</b> | <b>149.5505</b> |

### 3.7 Phase One:Architectural Coating - 2018

#### 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 | 2.1604        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0196        | 0.1314        | 0.1215        | 1.9000e-004        |               | 9.8600e-003        | 9.8600e-003        |                | 9.8600e-003        | 9.8600e-003        | 0.0000        | 16.7238        | 16.7238        | 1.5900e-003        | 0.0000        | 16.7572        |
| <b>Total</b>    | <b>2.1799</b> | <b>0.1314</b> | <b>0.1215</b> | <b>1.9000e-004</b> |               | <b>9.8600e-003</b> | <b>9.8600e-003</b> |                | <b>9.8600e-003</b> | <b>9.8600e-003</b> | <b>0.0000</b> | <b>16.7238</b> | <b>16.7238</b> | <b>1.5900e-003</b> | <b>0.0000</b> | <b>16.7572</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       | 0.0485        | 0.0725        | 0.7516        | 2.0200e-003        | 0.1646        | 1.3100e-003        | 0.1659        | 0.0437         | 1.2100e-003        | 0.0449        | 0.0000        | 142.7230        | 142.7230        | 7.1100e-003        | 0.0000        | 142.8723        |
| <b>Total</b> | <b>0.0485</b> | <b>0.0725</b> | <b>0.7516</b> | <b>2.0200e-003</b> | <b>0.1646</b> | <b>1.3100e-003</b> | <b>0.1659</b> | <b>0.0437</b>  | <b>1.2100e-003</b> | <b>0.0449</b> | <b>0.0000</b> | <b>142.7230</b> | <b>142.7230</b> | <b>7.1100e-003</b> | <b>0.0000</b> | <b>142.8723</b> |

### 3.7 Phase One:Architectural Coating - 2018

#### 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 | 2.1604        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0196        | 0.1314        | 0.1215        | 1.9000e-004        |               | 9.8600e-003        | 9.8600e-003        |                | 9.8600e-003        | 9.8600e-003        | 0.0000        | 16.7238        | 16.7238        | 1.5900e-003        | 0.0000        | 16.7572        |
| <b>Total</b>    | <b>2.1799</b> | <b>0.1314</b> | <b>0.1215</b> | <b>1.9000e-004</b> |               | <b>9.8600e-003</b> | <b>9.8600e-003</b> |                | <b>9.8600e-003</b> | <b>9.8600e-003</b> | <b>0.0000</b> | <b>16.7238</b> | <b>16.7238</b> | <b>1.5900e-003</b> | <b>0.0000</b> | <b>16.7572</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       | 0.0485        | 0.0725        | 0.7516        | 2.0200e-003        | 0.1646        | 1.3100e-003        | 0.1659        | 0.0437         | 1.2100e-003        | 0.0449        | 0.0000        | 142.7230        | 142.7230        | 7.1100e-003        | 0.0000        | 142.8723        |
| <b>Total</b> | <b>0.0485</b> | <b>0.0725</b> | <b>0.7516</b> | <b>2.0200e-003</b> | <b>0.1646</b> | <b>1.3100e-003</b> | <b>0.1659</b> | <b>0.0437</b>  | <b>1.2100e-003</b> | <b>0.0449</b> | <b>0.0000</b> | <b>142.7230</b> | <b>142.7230</b> | <b>7.1100e-003</b> | <b>0.0000</b> | <b>142.8723</b> |

### 3.7 Phase One:Architectural Coating - 2019

#### 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 | 3.5951        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0290        | 0.2001        | 0.2007        | 3.2000e-004        |               | 0.0140        | 0.0140        |                | 0.0140        | 0.0140        | 0.0000        | 27.8305        | 27.8305        | 2.3500e-003        | 0.0000        | 27.8798        |
| <b>Total</b>    | <b>3.6241</b> | <b>0.2001</b> | <b>0.2007</b> | <b>3.2000e-004</b> |               | <b>0.0140</b> | <b>0.0140</b> |                | <b>0.0140</b> | <b>0.0140</b> | <b>0.0000</b> | <b>27.8305</b> | <b>27.8305</b> | <b>2.3500e-003</b> | <b>0.0000</b> | <b>27.8798</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       | 0.0741        | 0.1107        | 1.1469        | 3.3500e-003        | 0.2739        | 2.1500e-003        | 0.2760        | 0.0727         | 1.9900e-003        | 0.0747        | 0.0000        | 228.4697        | 228.4697        | 0.0111        | 0.0000        | 228.7024        |
| <b>Total</b> | <b>0.0741</b> | <b>0.1107</b> | <b>1.1469</b> | <b>3.3500e-003</b> | <b>0.2739</b> | <b>2.1500e-003</b> | <b>0.2760</b> | <b>0.0727</b>  | <b>1.9900e-003</b> | <b>0.0747</b> | <b>0.0000</b> | <b>228.4697</b> | <b>228.4697</b> | <b>0.0111</b> | <b>0.0000</b> | <b>228.7024</b> |

### 3.7 Phase One:Architectural Coating - 2019

#### 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 | 3.5951        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0290        | 0.2001        | 0.2007        | 3.2000e-004        |               | 0.0140        | 0.0140        |                | 0.0140        | 0.0140        | 0.0000        | 27.8304        | 27.8304        | 2.3500e-003        | 0.0000        | 27.8798        |
| <b>Total</b>    | <b>3.6241</b> | <b>0.2001</b> | <b>0.2007</b> | <b>3.2000e-004</b> |               | <b>0.0140</b> | <b>0.0140</b> |                | <b>0.0140</b> | <b>0.0140</b> | <b>0.0000</b> | <b>27.8304</b> | <b>27.8304</b> | <b>2.3500e-003</b> | <b>0.0000</b> | <b>27.8798</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       | 0.0741        | 0.1107        | 1.1469        | 3.3500e-003        | 0.2739        | 2.1500e-003        | 0.2760        | 0.0727         | 1.9900e-003        | 0.0747        | 0.0000        | 228.4697        | 228.4697        | 0.0111        | 0.0000        | 228.7024        |
| <b>Total</b> | <b>0.0741</b> | <b>0.1107</b> | <b>1.1469</b> | <b>3.3500e-003</b> | <b>0.2739</b> | <b>2.1500e-003</b> | <b>0.2760</b> | <b>0.0727</b>  | <b>1.9900e-003</b> | <b>0.0747</b> | <b>0.0000</b> | <b>228.4697</b> | <b>228.4697</b> | <b>0.0111</b> | <b>0.0000</b> | <b>228.7024</b> |

### 3.8 Phase One:Paving - 2018

#### 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     | 0.0347        | 0.3690        | 0.3116        | 4.8000e-004        |               | 0.0202        | 0.0202        |                | 0.0186        | 0.0186        | 0.0000        | 43.7928        | 43.7928        | 0.0136        | 0.0000        | 44.0791        |
| Paving       | 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>0.0347</b> | <b>0.3690</b> | <b>0.3116</b> | <b>4.8000e-004</b> |               | <b>0.0202</b> | <b>0.0202</b> |                | <b>0.0186</b> | <b>0.0186</b> | <b>0.0000</b> | <b>43.7928</b> | <b>43.7928</b> | <b>0.0136</b> | <b>0.0000</b> | <b>44.0791</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       | 1.0400e-003        | 1.5600e-003        | 0.0162        | 4.0000e-005        | 3.5400e-003        | 3.0000e-005        | 3.5700e-003        | 9.4000e-004        | 3.0000e-005        | 9.7000e-004        | 0.0000        | 3.0687        | 3.0687        | 1.5000e-004        | 0.0000        | 3.0719        |
| <b>Total</b> | <b>1.0400e-003</b> | <b>1.5600e-003</b> | <b>0.0162</b> | <b>4.0000e-005</b> | <b>3.5400e-003</b> | <b>3.0000e-005</b> | <b>3.5700e-003</b> | <b>9.4000e-004</b> | <b>3.0000e-005</b> | <b>9.7000e-004</b> | <b>0.0000</b> | <b>3.0687</b> | <b>3.0687</b> | <b>1.5000e-004</b> | <b>0.0000</b> | <b>3.0719</b> |

### 3.8 Phase One:Paving - 2018

#### 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     | 0.0347        | 0.3690        | 0.3116        | 4.8000e-004        |               | 0.0202        | 0.0202        |                | 0.0186        | 0.0186        | 0.0000        | 43.7927        | 43.7927        | 0.0136        | 0.0000        | 44.0790        |
| Paving       | 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>0.0347</b> | <b>0.3690</b> | <b>0.3116</b> | <b>4.8000e-004</b> |               | <b>0.0202</b> | <b>0.0202</b> |                | <b>0.0186</b> | <b>0.0186</b> | <b>0.0000</b> | <b>43.7927</b> | <b>43.7927</b> | <b>0.0136</b> | <b>0.0000</b> | <b>44.0790</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       | 1.0400e-003        | 1.5600e-003        | 0.0162        | 4.0000e-005        | 3.5400e-003        | 3.0000e-005        | 3.5700e-003        | 9.4000e-004        | 3.0000e-005        | 9.7000e-004        | 0.0000        | 3.0687        | 3.0687        | 1.5000e-004        | 0.0000        | 3.0719        |
| <b>Total</b> | <b>1.0400e-003</b> | <b>1.5600e-003</b> | <b>0.0162</b> | <b>4.0000e-005</b> | <b>3.5400e-003</b> | <b>3.0000e-005</b> | <b>3.5700e-003</b> | <b>9.4000e-004</b> | <b>3.0000e-005</b> | <b>9.7000e-004</b> | <b>0.0000</b> | <b>3.0687</b> | <b>3.0687</b> | <b>1.5000e-004</b> | <b>0.0000</b> | <b>3.0719</b> |

### 3.8 Phase One:Paving - 2019

#### 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     | 0.1704        | 1.7848        | 1.7166        | 2.6700e-003        |               | 0.0967        | 0.0967        |                | 0.0890        | 0.0890        | 0.0000        | 239.4716        | 239.4716        | 0.0758        | 0.0000        | 241.0627        |
| Paving       | 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>0.1704</b> | <b>1.7848</b> | <b>1.7166</b> | <b>2.6700e-003</b> |               | <b>0.0967</b> | <b>0.0967</b> |                | <b>0.0890</b> | <b>0.0890</b> | <b>0.0000</b> | <b>239.4716</b> | <b>239.4716</b> | <b>0.0758</b> | <b>0.0000</b> | <b>241.0627</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       | 5.3200e-003        | 7.9500e-003        | 0.0824        | 2.4000e-004        | 0.0197        | 1.5000e-004        | 0.0198        | 5.2200e-003        | 1.4000e-004        | 5.3700e-003        | 0.0000        | 16.4069        | 16.4069        | 8.0000e-004        | 0.0000        | 16.4236        |
| <b>Total</b> | <b>5.3200e-003</b> | <b>7.9500e-003</b> | <b>0.0824</b> | <b>2.4000e-004</b> | <b>0.0197</b> | <b>1.5000e-004</b> | <b>0.0198</b> | <b>5.2200e-003</b> | <b>1.4000e-004</b> | <b>5.3700e-003</b> | <b>0.0000</b> | <b>16.4069</b> | <b>16.4069</b> | <b>8.0000e-004</b> | <b>0.0000</b> | <b>16.4236</b> |



### 3.8 Phase One:Paving - 2019

#### 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     | 0.1704        | 1.7848        | 1.7166        | 2.6700e-003        |               | 0.0967        | 0.0967        |                | 0.0890        | 0.0890        | 0.0000        | 239.4714        | 239.4714        | 0.0758        | 0.0000        | 241.0624        |
| Paving       | 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>0.1704</b> | <b>1.7848</b> | <b>1.7166</b> | <b>2.6700e-003</b> |               | <b>0.0967</b> | <b>0.0967</b> |                | <b>0.0890</b> | <b>0.0890</b> | <b>0.0000</b> | <b>239.4714</b> | <b>239.4714</b> | <b>0.0758</b> | <b>0.0000</b> | <b>241.0624</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       | 5.3200e-003        | 7.9500e-003        | 0.0824        | 2.4000e-004        | 0.0197        | 1.5000e-004        | 0.0198        | 5.2200e-003        | 1.4000e-004        | 5.3700e-003        | 0.0000        | 16.4069        | 16.4069        | 8.0000e-004        | 0.0000        | 16.4236        |
| <b>Total</b> | <b>5.3200e-003</b> | <b>7.9500e-003</b> | <b>0.0824</b> | <b>2.4000e-004</b> | <b>0.0197</b> | <b>1.5000e-004</b> | <b>0.0198</b> | <b>5.2200e-003</b> | <b>1.4000e-004</b> | <b>5.3700e-003</b> | <b>0.0000</b> | <b>16.4069</b> | <b>16.4069</b> | <b>8.0000e-004</b> | <b>0.0000</b> | <b>16.4236</b> |

**3.9 Phase Three: Demolition - 2019**

**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 |               |               |               |                    | 0.0679        | 0.0000        | 0.0679        | 0.0103         | 0.0000        | 0.0103        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.1827        | 1.8668        | 1.6943        | 2.2000e-003        |               | 0.0905        | 0.0905        |                | 0.0842        | 0.0842        | 0.0000        | 196.0497        | 196.0497        | 0.0548        | 0.0000        | 197.1995        |
| <b>Total</b>  | <b>0.1827</b> | <b>1.8668</b> | <b>1.6943</b> | <b>2.2000e-003</b> | <b>0.0679</b> | <b>0.0905</b> | <b>0.1584</b> | <b>0.0103</b>  | <b>0.0842</b> | <b>0.0945</b> | <b>0.0000</b> | <b>196.0497</b> | <b>196.0497</b> | <b>0.0548</b> | <b>0.0000</b> | <b>197.1995</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      | 4.9900e-003        | 0.0721        | 0.0636        | 2.3000e-004        | 5.3900e-003   | 1.2500e-003        | 6.6300e-003   | 1.4800e-003        | 1.1500e-003        | 2.6300e-003        | 0.0000        | 20.0584        | 20.0584        | 1.5000e-004        | 0.0000        | 20.0615        |
| 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       | 2.4500e-003        | 3.6600e-003   | 0.0379        | 1.1000e-004        | 9.0500e-003   | 7.0000e-005        | 9.1200e-003   | 2.4000e-003        | 7.0000e-005        | 2.4700e-003        | 0.0000        | 7.5513         | 7.5513         | 3.7000e-004        | 0.0000        | 7.5590         |
| <b>Total</b> | <b>7.4400e-003</b> | <b>0.0757</b> | <b>0.1015</b> | <b>3.4000e-004</b> | <b>0.0144</b> | <b>1.3200e-003</b> | <b>0.0158</b> | <b>3.8800e-003</b> | <b>1.2200e-003</b> | <b>5.1000e-003</b> | <b>0.0000</b> | <b>27.6097</b> | <b>27.6097</b> | <b>5.2000e-004</b> | <b>0.0000</b> | <b>27.6205</b> |

**3.9 Phase Three: Demolition - 2019****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 |               |               |               |                    | 0.0306        | 0.0000        | 0.0306        | 4.6300e-003        | 0.0000        | 4.6300e-003   | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.1827        | 1.8668        | 1.6943        | 2.2000e-003        |               | 0.0905        | 0.0905        |                    | 0.0842        | 0.0842        | 0.0000        | 196.0495        | 196.0495        | 0.0548        | 0.0000        | 197.1993        |
| <b>Total</b>  | <b>0.1827</b> | <b>1.8668</b> | <b>1.6943</b> | <b>2.2000e-003</b> | <b>0.0306</b> | <b>0.0905</b> | <b>0.1210</b> | <b>4.6300e-003</b> | <b>0.0842</b> | <b>0.0889</b> | <b>0.0000</b> | <b>196.0495</b> | <b>196.0495</b> | <b>0.0548</b> | <b>0.0000</b> | <b>197.1993</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      | 4.9900e-003        | 0.0721        | 0.0636        | 2.3000e-004        | 5.3900e-003   | 1.2500e-003        | 6.6300e-003   | 1.4800e-003        | 1.1500e-003        | 2.6300e-003        | 0.0000        | 20.0584        | 20.0584        | 1.5000e-004        | 0.0000        | 20.0615        |
| 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       | 2.4500e-003        | 3.6600e-003   | 0.0379        | 1.1000e-004        | 9.0500e-003   | 7.0000e-005        | 9.1200e-003   | 2.4000e-003        | 7.0000e-005        | 2.4700e-003        | 0.0000        | 7.5513         | 7.5513         | 3.7000e-004        | 0.0000        | 7.5590         |
| <b>Total</b> | <b>7.4400e-003</b> | <b>0.0757</b> | <b>0.1015</b> | <b>3.4000e-004</b> | <b>0.0144</b> | <b>1.3200e-003</b> | <b>0.0158</b> | <b>3.8800e-003</b> | <b>1.2200e-003</b> | <b>5.1000e-003</b> | <b>0.0000</b> | <b>27.6097</b> | <b>27.6097</b> | <b>5.2000e-004</b> | <b>0.0000</b> | <b>27.6205</b> |

**3.10 Phase Three: Grading - 2019**

**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 |               |               |               |                    | 0.2042        | 0.0000        | 0.2042        | 0.1100         | 0.0000        | 0.1100        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.1614        | 1.7885        | 1.3295        | 2.0400e-003        |               | 0.0827        | 0.0827        |                | 0.0761        | 0.0761        | 0.0000        | 182.9549        | 182.9549        | 0.0579        | 0.0000        | 184.1705        |
| <b>Total</b>  | <b>0.1614</b> | <b>1.7885</b> | <b>1.3295</b> | <b>2.0400e-003</b> | <b>0.2042</b> | <b>0.0827</b> | <b>0.2869</b> | <b>0.1100</b>  | <b>0.0761</b> | <b>0.1861</b> | <b>0.0000</b> | <b>182.9549</b> | <b>182.9549</b> | <b>0.0579</b> | <b>0.0000</b> | <b>184.1705</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      | 0.0677        | 0.9781        | 0.8635        | 3.1200e-003        | 0.0731        | 0.0169        | 0.0900        | 0.0201         | 0.0156        | 0.0356        | 0.0000        | 272.2891        | 272.2891        | 2.0200e-003        | 0.0000        | 272.3316        |
| 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       | 1.9600e-003   | 2.9300e-003   | 0.0303        | 9.0000e-005        | 7.2400e-003   | 6.0000e-005   | 7.3000e-003   | 1.9200e-003    | 5.0000e-005   | 1.9800e-003   | 0.0000        | 6.0410          | 6.0410          | 2.9000e-004        | 0.0000        | 6.0472          |
| <b>Total</b> | <b>0.0697</b> | <b>0.9810</b> | <b>0.8938</b> | <b>3.2100e-003</b> | <b>0.0803</b> | <b>0.0170</b> | <b>0.0973</b> | <b>0.0220</b>  | <b>0.0156</b> | <b>0.0376</b> | <b>0.0000</b> | <b>278.3302</b> | <b>278.3302</b> | <b>2.3100e-003</b> | <b>0.0000</b> | <b>278.3788</b> |

**3.10 Phase Three: Grading - 2019**

**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 |               |               |               |                    | 0.0919        | 0.0000        | 0.0919        | 0.0495         | 0.0000        | 0.0495        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.1614        | 1.7885        | 1.3295        | 2.0400e-003        |               | 0.0827        | 0.0827        |                | 0.0761        | 0.0761        | 0.0000        | 182.9547        | 182.9547        | 0.0579        | 0.0000        | 184.1703        |
| <b>Total</b>  | <b>0.1614</b> | <b>1.7885</b> | <b>1.3295</b> | <b>2.0400e-003</b> | <b>0.0919</b> | <b>0.0827</b> | <b>0.1746</b> | <b>0.0495</b>  | <b>0.0761</b> | <b>0.1256</b> | <b>0.0000</b> | <b>182.9547</b> | <b>182.9547</b> | <b>0.0579</b> | <b>0.0000</b> | <b>184.1703</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      | 0.0677        | 0.9781        | 0.8635        | 3.1200e-003        | 0.0731        | 0.0169        | 0.0900        | 0.0201         | 0.0156        | 0.0356        | 0.0000        | 272.2891        | 272.2891        | 2.0200e-003        | 0.0000        | 272.3316        |
| 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       | 1.9600e-003   | 2.9300e-003   | 0.0303        | 9.0000e-005        | 7.2400e-003   | 6.0000e-005   | 7.3000e-003   | 1.9200e-003    | 5.0000e-005   | 1.9800e-003   | 0.0000        | 6.0410          | 6.0410          | 2.9000e-004        | 0.0000        | 6.0472          |
| <b>Total</b> | <b>0.0697</b> | <b>0.9810</b> | <b>0.8938</b> | <b>3.2100e-003</b> | <b>0.0803</b> | <b>0.0170</b> | <b>0.0973</b> | <b>0.0220</b>  | <b>0.0156</b> | <b>0.0376</b> | <b>0.0000</b> | <b>278.3302</b> | <b>278.3302</b> | <b>2.3100e-003</b> | <b>0.0000</b> | <b>278.3788</b> |

**3.11 Phase Three: Construction - 2019**

**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     | 0.0259        | 0.2306        | 0.1883        | 2.9000e-004        |               | 0.0141        | 0.0141        |                | 0.0133        | 0.0133        | 0.0000        | 25.7535        | 25.7535        | 6.2700e-003        | 0.0000        | 25.8851        |
| <b>Total</b> | <b>0.0259</b> | <b>0.2306</b> | <b>0.1883</b> | <b>2.9000e-004</b> |               | <b>0.0141</b> | <b>0.0141</b> |                | <b>0.0133</b> | <b>0.0133</b> | <b>0.0000</b> | <b>25.7535</b> | <b>25.7535</b> | <b>6.2700e-003</b> | <b>0.0000</b> | <b>25.8851</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       | 0.0279        | 0.2703        | 0.3975        | 8.4000e-004        | 0.0240        | 4.4300e-003        | 0.0284        | 6.8400e-003    | 4.0800e-003        | 0.0109        | 0.0000        | 72.7944         | 72.7944         | 5.2000e-004        | 0.0000        | 72.8054         |
| Worker       | 0.0373        | 0.0557        | 0.5777        | 1.6900e-003        | 0.1379        | 1.0800e-003        | 0.1390        | 0.0366         | 1.0000e-003        | 0.0376        | 0.0000        | 115.0815        | 115.0815        | 5.5800e-003        | 0.0000        | 115.1987        |
| <b>Total</b> | <b>0.0652</b> | <b>0.3261</b> | <b>0.9751</b> | <b>2.5300e-003</b> | <b>0.1619</b> | <b>5.5100e-003</b> | <b>0.1674</b> | <b>0.0435</b>  | <b>5.0800e-003</b> | <b>0.0486</b> | <b>0.0000</b> | <b>187.8759</b> | <b>187.8759</b> | <b>6.1000e-003</b> | <b>0.0000</b> | <b>188.0041</b> |

**3.11 Phase Three: Construction - 2019**

**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     | 0.0259        | 0.2306        | 0.1883        | 2.9000e-004        |               | 0.0141        | 0.0141        |                | 0.0133        | 0.0133        | 0.0000        | 25.7535        | 25.7535        | 6.2700e-003        | 0.0000        | 25.8851        |
| <b>Total</b> | <b>0.0259</b> | <b>0.2306</b> | <b>0.1883</b> | <b>2.9000e-004</b> |               | <b>0.0141</b> | <b>0.0141</b> |                | <b>0.0133</b> | <b>0.0133</b> | <b>0.0000</b> | <b>25.7535</b> | <b>25.7535</b> | <b>6.2700e-003</b> | <b>0.0000</b> | <b>25.8851</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       | 0.0279        | 0.2703        | 0.3975        | 8.4000e-004        | 0.0240        | 4.4300e-003        | 0.0284        | 6.8400e-003    | 4.0800e-003        | 0.0109        | 0.0000        | 72.7944         | 72.7944         | 5.2000e-004        | 0.0000        | 72.8054         |
| Worker       | 0.0373        | 0.0557        | 0.5777        | 1.6900e-003        | 0.1379        | 1.0800e-003        | 0.1390        | 0.0366         | 1.0000e-003        | 0.0376        | 0.0000        | 115.0815        | 115.0815        | 5.5800e-003        | 0.0000        | 115.1987        |
| <b>Total</b> | <b>0.0652</b> | <b>0.3261</b> | <b>0.9751</b> | <b>2.5300e-003</b> | <b>0.1619</b> | <b>5.5100e-003</b> | <b>0.1674</b> | <b>0.0435</b>  | <b>5.0800e-003</b> | <b>0.0486</b> | <b>0.0000</b> | <b>187.8759</b> | <b>187.8759</b> | <b>6.1000e-003</b> | <b>0.0000</b> | <b>188.0041</b> |

**3.11 Phase Three: Construction - 2020****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     | 0.0686        | 0.6202        | 0.5463        | 8.7000e-004        |               | 0.0362        | 0.0362        |                | 0.0340        | 0.0340        | 0.0000        | 74.9612        | 74.9612        | 0.0183        | 0.0000        | 75.3447        |
| <b>Total</b> | <b>0.0686</b> | <b>0.6202</b> | <b>0.5463</b> | <b>8.7000e-004</b> |               | <b>0.0362</b> | <b>0.0362</b> |                | <b>0.0340</b> | <b>0.0340</b> | <b>0.0000</b> | <b>74.9612</b> | <b>74.9612</b> | <b>0.0183</b> | <b>0.0000</b> | <b>75.3447</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       | 0.0782        | 0.6967        | 1.1387        | 2.4800e-003        | 0.0708        | 0.0120        | 0.0828        | 0.0202         | 0.0110        | 0.0313        | 0.0000        | 210.2300        | 210.2300        | 1.5200e-003   | 0.0000        | 210.2618        |
| Worker       | 0.1033        | 0.1526        | 1.5882        | 4.9900e-003        | 0.4076        | 3.1700e-003   | 0.4107        | 0.1082         | 2.9400e-003   | 0.1112        | 0.0000        | 326.2020        | 326.2020        | 0.0156        | 0.0000        | 326.5299        |
| <b>Total</b> | <b>0.1815</b> | <b>0.8493</b> | <b>2.7269</b> | <b>7.4700e-003</b> | <b>0.4784</b> | <b>0.0152</b> | <b>0.4936</b> | <b>0.1285</b>  | <b>0.0140</b> | <b>0.1424</b> | <b>0.0000</b> | <b>536.4320</b> | <b>536.4320</b> | <b>0.0171</b> | <b>0.0000</b> | <b>536.7918</b> |



**3.11 Phase Three: Construction - 2020**

**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     | 0.0686        | 0.6202        | 0.5463        | 8.7000e-004        |               | 0.0362        | 0.0362        |                | 0.0340        | 0.0340        | 0.0000        | 74.9611        | 74.9611        | 0.0183        | 0.0000        | 75.3447        |
| <b>Total</b> | <b>0.0686</b> | <b>0.6202</b> | <b>0.5463</b> | <b>8.7000e-004</b> |               | <b>0.0362</b> | <b>0.0362</b> |                | <b>0.0340</b> | <b>0.0340</b> | <b>0.0000</b> | <b>74.9611</b> | <b>74.9611</b> | <b>0.0183</b> | <b>0.0000</b> | <b>75.3447</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       | 0.0782        | 0.6967        | 1.1387        | 2.4800e-003        | 0.0708        | 0.0120        | 0.0828        | 0.0202         | 0.0110        | 0.0313        | 0.0000        | 210.2300        | 210.2300        | 1.5200e-003   | 0.0000        | 210.2618        |
| Worker       | 0.1033        | 0.1526        | 1.5882        | 4.9900e-003        | 0.4076        | 3.1700e-003   | 0.4107        | 0.1082         | 2.9400e-003   | 0.1112        | 0.0000        | 326.2020        | 326.2020        | 0.0156        | 0.0000        | 326.5299        |
| <b>Total</b> | <b>0.1815</b> | <b>0.8493</b> | <b>2.7269</b> | <b>7.4700e-003</b> | <b>0.4784</b> | <b>0.0152</b> | <b>0.4936</b> | <b>0.1285</b>  | <b>0.0140</b> | <b>0.1424</b> | <b>0.0000</b> | <b>536.4320</b> | <b>536.4320</b> | <b>0.0171</b> | <b>0.0000</b> | <b>536.7918</b> |

**3.12 Phase Four:Demolition - 2020**

**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 |               |               |               |                    | 0.1393        | 0.0000        | 0.1393        | 0.0211         | 0.0000        | 0.0211        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.2013        | 2.0160        | 1.9247        | 2.6000e-003        |               | 0.0968        | 0.0968        |                | 0.0901        | 0.0901        | 0.0000        | 227.4441        | 227.4441        | 0.0645        | 0.0000        | 228.7980        |
| <b>Total</b>  | <b>0.2013</b> | <b>2.0160</b> | <b>1.9247</b> | <b>2.6000e-003</b> | <b>0.1393</b> | <b>0.0968</b> | <b>0.2361</b> | <b>0.0211</b>  | <b>0.0901</b> | <b>0.1112</b> | <b>0.0000</b> | <b>227.4441</b> | <b>227.4441</b> | <b>0.0645</b> | <b>0.0000</b> | <b>228.7980</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      | 0.0100        | 0.1317        | 0.1287        | 4.7000e-004        | 0.0110        | 2.5300e-003        | 0.0136        | 3.0300e-003        | 2.3300e-003        | 5.3600e-003        | 0.0000        | 40.1810        | 40.1810        | 3.1000e-004        | 0.0000        | 40.1874        |
| 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       | 2.7100e-003   | 4.0100e-003   | 0.0417        | 1.3000e-004        | 0.0107        | 8.0000e-005        | 0.0108        | 2.8400e-003        | 8.0000e-005        | 2.9200e-003        | 0.0000        | 8.5617         | 8.5617         | 4.1000e-004        | 0.0000        | 8.5703         |
| <b>Total</b> | <b>0.0127</b> | <b>0.1357</b> | <b>0.1703</b> | <b>6.0000e-004</b> | <b>0.0217</b> | <b>2.6100e-003</b> | <b>0.0244</b> | <b>5.8700e-003</b> | <b>2.4100e-003</b> | <b>8.2800e-003</b> | <b>0.0000</b> | <b>48.7427</b> | <b>48.7427</b> | <b>7.2000e-004</b> | <b>0.0000</b> | <b>48.7577</b> |

**3.12 Phase Four:Demolition - 2020****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 |               |               |               |                    | 0.0627        | 0.0000        | 0.0627        | 9.4900e-003        | 0.0000        | 9.4900e-003   | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.2013        | 2.0160        | 1.9246        | 2.6000e-003        |               | 0.0968        | 0.0968        |                    | 0.0901        | 0.0901        | 0.0000        | 227.4439        | 227.4439        | 0.0645        | 0.0000        | 228.7977        |
| <b>Total</b>  | <b>0.2013</b> | <b>2.0160</b> | <b>1.9246</b> | <b>2.6000e-003</b> | <b>0.0627</b> | <b>0.0968</b> | <b>0.1595</b> | <b>9.4900e-003</b> | <b>0.0901</b> | <b>0.0996</b> | <b>0.0000</b> | <b>227.4439</b> | <b>227.4439</b> | <b>0.0645</b> | <b>0.0000</b> | <b>228.7977</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      | 0.0100        | 0.1317        | 0.1287        | 4.7000e-004        | 0.0110        | 2.5300e-003        | 0.0136        | 3.0300e-003        | 2.3300e-003        | 5.3600e-003        | 0.0000        | 40.1810        | 40.1810        | 3.1000e-004        | 0.0000        | 40.1874        |
| 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       | 2.7100e-003   | 4.0100e-003   | 0.0417        | 1.3000e-004        | 0.0107        | 8.0000e-005        | 0.0108        | 2.8400e-003        | 8.0000e-005        | 2.9200e-003        | 0.0000        | 8.5617         | 8.5617         | 4.1000e-004        | 0.0000        | 8.5703         |
| <b>Total</b> | <b>0.0127</b> | <b>0.1357</b> | <b>0.1703</b> | <b>6.0000e-004</b> | <b>0.0217</b> | <b>2.6100e-003</b> | <b>0.0244</b> | <b>5.8700e-003</b> | <b>2.4100e-003</b> | <b>8.2800e-003</b> | <b>0.0000</b> | <b>48.7427</b> | <b>48.7427</b> | <b>7.2000e-004</b> | <b>0.0000</b> | <b>48.7577</b> |

**3.13 Phase Four: Grading - 2020**

**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 |               |               |               |                    | 0.4761        | 0.0000        | 0.4761        | 0.2567         | 0.0000        | 0.2567        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.3504        | 3.8026        | 2.9588        | 4.7500e-003        |               | 0.1742        | 0.1742        |                | 0.1602        | 0.1602        | 0.0000        | 417.5622        | 417.5622        | 0.1351        | 0.0000        | 420.3983        |
| <b>Total</b>  | <b>0.3504</b> | <b>3.8026</b> | <b>2.9588</b> | <b>4.7500e-003</b> | <b>0.4761</b> | <b>0.1742</b> | <b>0.6502</b> | <b>0.2567</b>  | <b>0.1602</b> | <b>0.4170</b> | <b>0.0000</b> | <b>417.5622</b> | <b>417.5622</b> | <b>0.1351</b> | <b>0.0000</b> | <b>420.3983</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      | 0.1944        | 2.5572        | 2.4990        | 9.1500e-003        | 0.2144        | 0.0492        | 0.2636        | 0.0588         | 0.0453        | 0.1041        | 0.0000        | 780.5158        | 780.5158        | 5.9400e-003        | 0.0000        | 780.6405        |
| 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       | 4.2800e-003   | 6.3300e-003   | 0.0658        | 2.1000e-004        | 0.0169        | 1.3000e-004   | 0.0170        | 4.4900e-003    | 1.2000e-004   | 4.6100e-003   | 0.0000        | 13.5232         | 13.5232         | 6.5000e-004        | 0.0000        | 13.5367         |
| <b>Total</b> | <b>0.1987</b> | <b>2.5636</b> | <b>2.5648</b> | <b>9.3600e-003</b> | <b>0.2313</b> | <b>0.0494</b> | <b>0.2807</b> | <b>0.0633</b>  | <b>0.0454</b> | <b>0.1087</b> | <b>0.0000</b> | <b>794.0390</b> | <b>794.0390</b> | <b>6.5900e-003</b> | <b>0.0000</b> | <b>794.1773</b> |

**3.13 Phase Four: Grading - 2020**

**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 |               |               |               |                    | 0.2142        | 0.0000        | 0.2142        | 0.1155         | 0.0000        | 0.1155        | 0.0000        | 0.0000          | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Off-Road      | 0.3504        | 3.8026        | 2.9588        | 4.7500e-003        |               | 0.1742        | 0.1742        |                | 0.1602        | 0.1602        | 0.0000        | 417.5617        | 417.5617        | 0.1351        | 0.0000        | 420.3978        |
| <b>Total</b>  | <b>0.3504</b> | <b>3.8026</b> | <b>2.9588</b> | <b>4.7500e-003</b> | <b>0.2142</b> | <b>0.1742</b> | <b>0.3884</b> | <b>0.1155</b>  | <b>0.1602</b> | <b>0.2758</b> | <b>0.0000</b> | <b>417.5617</b> | <b>417.5617</b> | <b>0.1351</b> | <b>0.0000</b> | <b>420.3978</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      | 0.1944        | 2.5572        | 2.4990        | 9.1500e-003        | 0.2144        | 0.0492        | 0.2636        | 0.0588         | 0.0453        | 0.1041        | 0.0000        | 780.5158        | 780.5158        | 5.9400e-003        | 0.0000        | 780.6405        |
| 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       | 4.2800e-003   | 6.3300e-003   | 0.0658        | 2.1000e-004        | 0.0169        | 1.3000e-004   | 0.0170        | 4.4900e-003    | 1.2000e-004   | 4.6100e-003   | 0.0000        | 13.5232         | 13.5232         | 6.5000e-004        | 0.0000        | 13.5367         |
| <b>Total</b> | <b>0.1987</b> | <b>2.5636</b> | <b>2.5648</b> | <b>9.3600e-003</b> | <b>0.2313</b> | <b>0.0494</b> | <b>0.2807</b> | <b>0.0633</b>  | <b>0.0454</b> | <b>0.1087</b> | <b>0.0000</b> | <b>794.0390</b> | <b>794.0390</b> | <b>6.5900e-003</b> | <b>0.0000</b> | <b>794.1773</b> |

**3.14 Phase Four: Construction - 2020**

**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     | 0.0465        | 0.4199        | 0.3698        | 5.9000e-004        |               | 0.0245        | 0.0245        |                | 0.0230        | 0.0230        | 0.0000        | 50.7430        | 50.7430        | 0.0124        | 0.0000        | 51.0026        |
| <b>Total</b> | <b>0.0465</b> | <b>0.4199</b> | <b>0.3698</b> | <b>5.9000e-004</b> |               | <b>0.0245</b> | <b>0.0245</b> |                | <b>0.0230</b> | <b>0.0230</b> | <b>0.0000</b> | <b>50.7430</b> | <b>50.7430</b> | <b>0.0124</b> | <b>0.0000</b> | <b>51.0026</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       | 0.0530        | 0.4716        | 0.7708        | 1.6800e-003        | 0.0479        | 8.1200e-003   | 0.0561        | 0.0137         | 7.4700e-003        | 0.0212        | 0.0000        | 142.3095        | 142.3095        | 1.0300e-003   | 0.0000        | 142.3311        |
| Worker       | 0.0699        | 0.1033        | 1.0751        | 3.3800e-003        | 0.2759        | 2.1500e-003   | 0.2780        | 0.0733         | 1.9900e-003        | 0.0753        | 0.0000        | 220.8137        | 220.8137        | 0.0106        | 0.0000        | 221.0356        |
| <b>Total</b> | <b>0.1229</b> | <b>0.5749</b> | <b>1.8459</b> | <b>5.0600e-003</b> | <b>0.3238</b> | <b>0.0103</b> | <b>0.3341</b> | <b>0.0870</b>  | <b>9.4600e-003</b> | <b>0.0964</b> | <b>0.0000</b> | <b>363.1232</b> | <b>363.1232</b> | <b>0.0116</b> | <b>0.0000</b> | <b>363.3667</b> |

**3.14 Phase Four: Construction - 2020**

**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     | 0.0465        | 0.4199        | 0.3698        | 5.9000e-004        |               | 0.0245        | 0.0245        |                | 0.0230        | 0.0230        | 0.0000        | 50.7429        | 50.7429        | 0.0124        | 0.0000        | 51.0025        |
| <b>Total</b> | <b>0.0465</b> | <b>0.4199</b> | <b>0.3698</b> | <b>5.9000e-004</b> |               | <b>0.0245</b> | <b>0.0245</b> |                | <b>0.0230</b> | <b>0.0230</b> | <b>0.0000</b> | <b>50.7429</b> | <b>50.7429</b> | <b>0.0124</b> | <b>0.0000</b> | <b>51.0025</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       | 0.0530        | 0.4716        | 0.7708        | 1.6800e-003        | 0.0479        | 8.1200e-003   | 0.0561        | 0.0137         | 7.4700e-003        | 0.0212        | 0.0000        | 142.3095        | 142.3095        | 1.0300e-003   | 0.0000        | 142.3311        |
| Worker       | 0.0699        | 0.1033        | 1.0751        | 3.3800e-003        | 0.2759        | 2.1500e-003   | 0.2780        | 0.0733         | 1.9900e-003        | 0.0753        | 0.0000        | 220.8137        | 220.8137        | 0.0106        | 0.0000        | 221.0356        |
| <b>Total</b> | <b>0.1229</b> | <b>0.5749</b> | <b>1.8459</b> | <b>5.0600e-003</b> | <b>0.3238</b> | <b>0.0103</b> | <b>0.3341</b> | <b>0.0870</b>  | <b>9.4600e-003</b> | <b>0.0964</b> | <b>0.0000</b> | <b>363.1232</b> | <b>363.1232</b> | <b>0.0116</b> | <b>0.0000</b> | <b>363.3667</b> |

**3.14 Phase Four: 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     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.2471        | 2.2629        | 2.1582        | 3.5000e-003        |               | 0.1246        | 0.1246        |                | 0.1172        | 0.1172        | 0.0000        | 301.0339        | 301.0339        | 0.0725        | 0.0000        | 302.5568        |
| <b>Total</b> | <b>0.2471</b> | <b>2.2629</b> | <b>2.1582</b> | <b>3.5000e-003</b> |               | <b>0.1246</b> | <b>0.1246</b> |                | <b>0.1172</b> | <b>0.1172</b> | <b>0.0000</b> | <b>301.0339</b> | <b>301.0339</b> | <b>0.0725</b> | <b>0.0000</b> | <b>302.5568</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       | 0.3030        | 2.3748        | 4.4564         | 9.9400e-003   | 0.2844        | 0.0439        | 0.3283        | 0.0812         | 0.0404        | 0.1216        | 0.0000        | 843.7771          | 843.7771          | 6.1500e-003   | 0.0000        | 843.9061          |
| Worker       | 0.3922        | 0.5730        | 5.9895         | 0.0201        | 1.6365        | 0.0128        | 1.6493        | 0.4346         | 0.0118        | 0.4464        | 0.0000        | 1,289.4781        | 1,289.4781        | 0.0600        | 0.0000        | 1,290.7384        |
| <b>Total</b> | <b>0.6952</b> | <b>2.9478</b> | <b>10.4459</b> | <b>0.0300</b> | <b>1.9209</b> | <b>0.0566</b> | <b>1.9775</b> | <b>0.5158</b>  | <b>0.0522</b> | <b>0.5680</b> | <b>0.0000</b> | <b>2,133.2552</b> | <b>2,133.2552</b> | <b>0.0662</b> | <b>0.0000</b> | <b>2,134.6445</b> |



**3.14 Phase Four: Construction - 2021**

**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     | 0.2471        | 2.2629        | 2.1582        | 3.5000e-003        |               | 0.1246        | 0.1246        |                | 0.1172        | 0.1172        | 0.0000        | 301.0335        | 301.0335        | 0.0725        | 0.0000        | 302.5565        |
| <b>Total</b> | <b>0.2471</b> | <b>2.2629</b> | <b>2.1582</b> | <b>3.5000e-003</b> |               | <b>0.1246</b> | <b>0.1246</b> |                | <b>0.1172</b> | <b>0.1172</b> | <b>0.0000</b> | <b>301.0335</b> | <b>301.0335</b> | <b>0.0725</b> | <b>0.0000</b> | <b>302.5565</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       | 0.3030        | 2.3748        | 4.4564         | 9.9400e-003   | 0.2844        | 0.0439        | 0.3283        | 0.0812         | 0.0404        | 0.1216        | 0.0000        | 843.7771          | 843.7771          | 6.1500e-003   | 0.0000        | 843.9061          |
| Worker       | 0.3922        | 0.5730        | 5.9895         | 0.0201        | 1.6365        | 0.0128        | 1.6493        | 0.4346         | 0.0118        | 0.4464        | 0.0000        | 1,289.4781        | 1,289.4781        | 0.0600        | 0.0000        | 1,290.7384        |
| <b>Total</b> | <b>0.6952</b> | <b>2.9478</b> | <b>10.4459</b> | <b>0.0300</b> | <b>1.9209</b> | <b>0.0566</b> | <b>1.9775</b> | <b>0.5158</b>  | <b>0.0522</b> | <b>0.5680</b> | <b>0.0000</b> | <b>2,133.2552</b> | <b>2,133.2552</b> | <b>0.0662</b> | <b>0.0000</b> | <b>2,134.6445</b> |

**3.14 Phase Four: Construction - 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     | 0.0348        | 0.3185        | 0.3347        | 5.5000e-004        |               | 0.0165        | 0.0165        |                | 0.0155        | 0.0155        | 0.0000        | 47.3068        | 47.3068        | 0.0113        | 0.0000        | 47.5445        |
| <b>Total</b> | <b>0.0348</b> | <b>0.3185</b> | <b>0.3347</b> | <b>5.5000e-004</b> |               | <b>0.0165</b> | <b>0.0165</b> |                | <b>0.0155</b> | <b>0.0155</b> | <b>0.0000</b> | <b>47.3068</b> | <b>47.3068</b> | <b>0.0113</b> | <b>0.0000</b> | <b>47.5445</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       | 0.0465        | 0.3386        | 0.6830        | 1.5600e-003        | 0.0447        | 6.8200e-003        | 0.0515        | 0.0128         | 6.2700e-003        | 0.0190        | 0.0000        | 132.4287        | 132.4287        | 9.9000e-004   | 0.0000        | 132.4494        |
| Worker       | 0.0583        | 0.0844        | 0.8846        | 3.1500e-003        | 0.2571        | 2.0000e-003        | 0.2591        | 0.0683         | 1.8600e-003        | 0.0701        | 0.0000        | 199.1965        | 199.1965        | 9.0300e-003   | 0.0000        | 199.3861        |
| <b>Total</b> | <b>0.1048</b> | <b>0.4230</b> | <b>1.5676</b> | <b>4.7100e-003</b> | <b>0.3018</b> | <b>8.8200e-003</b> | <b>0.3106</b> | <b>0.0810</b>  | <b>8.1300e-003</b> | <b>0.0892</b> | <b>0.0000</b> | <b>331.6252</b> | <b>331.6252</b> | <b>0.0100</b> | <b>0.0000</b> | <b>331.8355</b> |

**3.14 Phase Four: Construction - 2022**

**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     | 0.0348        | 0.3185        | 0.3347        | 5.5000e-004        |               | 0.0165        | 0.0165        |                | 0.0155        | 0.0155        | 0.0000        | 47.3068        | 47.3068        | 0.0113        | 0.0000        | 47.5444        |
| <b>Total</b> | <b>0.0348</b> | <b>0.3185</b> | <b>0.3347</b> | <b>5.5000e-004</b> |               | <b>0.0165</b> | <b>0.0165</b> |                | <b>0.0155</b> | <b>0.0155</b> | <b>0.0000</b> | <b>47.3068</b> | <b>47.3068</b> | <b>0.0113</b> | <b>0.0000</b> | <b>47.5444</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       | 0.0465        | 0.3386        | 0.6830        | 1.5600e-003        | 0.0447        | 6.8200e-003        | 0.0515        | 0.0128         | 6.2700e-003        | 0.0190        | 0.0000        | 132.4287        | 132.4287        | 9.9000e-004   | 0.0000        | 132.4494        |
| Worker       | 0.0583        | 0.0844        | 0.8846        | 3.1500e-003        | 0.2571        | 2.0000e-003        | 0.2591        | 0.0683         | 1.8600e-003        | 0.0701        | 0.0000        | 199.1965        | 199.1965        | 9.0300e-003   | 0.0000        | 199.3861        |
| <b>Total</b> | <b>0.1048</b> | <b>0.4230</b> | <b>1.5676</b> | <b>4.7100e-003</b> | <b>0.3018</b> | <b>8.8200e-003</b> | <b>0.3106</b> | <b>0.0810</b>  | <b>8.1300e-003</b> | <b>0.0892</b> | <b>0.0000</b> | <b>331.6252</b> | <b>331.6252</b> | <b>0.0100</b> | <b>0.0000</b> | <b>331.8355</b> |

**3.15 Phase Four: 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 | 2.4080        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 9.6300e-003   | 0.0672        | 0.0800        | 1.3000e-004        |               | 4.1400e-003        | 4.1400e-003        |                | 4.1400e-003        | 4.1400e-003        | 0.0000        | 11.2343        | 11.2343        | 7.7000e-004        | 0.0000        | 11.2505        |
| <b>Total</b>    | <b>2.4176</b> | <b>0.0672</b> | <b>0.0800</b> | <b>1.3000e-004</b> |               | <b>4.1400e-003</b> | <b>4.1400e-003</b> |                | <b>4.1400e-003</b> | <b>4.1400e-003</b> | <b>0.0000</b> | <b>11.2343</b> | <b>11.2343</b> | <b>7.7000e-004</b> | <b>0.0000</b> | <b>11.2505</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       | 0.0265        | 0.0387        | 0.4046        | 1.3600e-003        | 0.1106        | 8.6000e-004        | 0.1114        | 0.0294         | 8.0000e-004        | 0.0302        | 0.0000        | 87.1055        | 87.1055        | 4.0500e-003        | 0.0000        | 87.1906        |
| <b>Total</b> | <b>0.0265</b> | <b>0.0387</b> | <b>0.4046</b> | <b>1.3600e-003</b> | <b>0.1106</b> | <b>8.6000e-004</b> | <b>0.1114</b> | <b>0.0294</b>  | <b>8.0000e-004</b> | <b>0.0302</b> | <b>0.0000</b> | <b>87.1055</b> | <b>87.1055</b> | <b>4.0500e-003</b> | <b>0.0000</b> | <b>87.1906</b> |

**3.15 Phase Four: Architectural Coating - 2021****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 | 2.4080        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 9.6300e-003   | 0.0672        | 0.0800        | 1.3000e-004        |               | 4.1400e-003        | 4.1400e-003        |                | 4.1400e-003        | 4.1400e-003        | 0.0000        | 11.2343        | 11.2343        | 7.7000e-004        | 0.0000        | 11.2505        |
| <b>Total</b>    | <b>2.4176</b> | <b>0.0672</b> | <b>0.0800</b> | <b>1.3000e-004</b> |               | <b>4.1400e-003</b> | <b>4.1400e-003</b> |                | <b>4.1400e-003</b> | <b>4.1400e-003</b> | <b>0.0000</b> | <b>11.2343</b> | <b>11.2343</b> | <b>7.7000e-004</b> | <b>0.0000</b> | <b>11.2505</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       | 0.0265        | 0.0387        | 0.4046        | 1.3600e-003        | 0.1106        | 8.6000e-004        | 0.1114        | 0.0294         | 8.0000e-004        | 0.0302        | 0.0000        | 87.1055        | 87.1055        | 4.0500e-003        | 0.0000        | 87.1906        |
| <b>Total</b> | <b>0.0265</b> | <b>0.0387</b> | <b>0.4046</b> | <b>1.3600e-003</b> | <b>0.1106</b> | <b>8.6000e-004</b> | <b>0.1114</b> | <b>0.0294</b>  | <b>8.0000e-004</b> | <b>0.0302</b> | <b>0.0000</b> | <b>87.1055</b> | <b>87.1055</b> | <b>4.0500e-003</b> | <b>0.0000</b> | <b>87.1906</b> |

**3.15 Phase Four: 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 | 4.1046        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0153        | 0.1056        | 0.1360        | 2.2000e-004        |               | 6.1300e-003        | 6.1300e-003        |                | 6.1300e-003        | 6.1300e-003        | 0.0000        | 19.1494        | 19.1494        | 1.2500e-003        | 0.0000        | 19.1756        |
| <b>Total</b>    | <b>4.1199</b> | <b>0.1056</b> | <b>0.1360</b> | <b>2.2000e-004</b> |               | <b>6.1300e-003</b> | <b>6.1300e-003</b> |                | <b>6.1300e-003</b> | <b>6.1300e-003</b> | <b>0.0000</b> | <b>19.1494</b> | <b>19.1494</b> | <b>1.2500e-003</b> | <b>0.0000</b> | <b>19.1756</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       | 0.0427        | 0.0619        | 0.6484        | 2.3100e-003        | 0.1884        | 1.4700e-003        | 0.1899        | 0.0500         | 1.3600e-003        | 0.0514        | 0.0000        | 146.0086        | 146.0086        | 6.6200e-003        | 0.0000        | 146.1475        |
| <b>Total</b> | <b>0.0427</b> | <b>0.0619</b> | <b>0.6484</b> | <b>2.3100e-003</b> | <b>0.1884</b> | <b>1.4700e-003</b> | <b>0.1899</b> | <b>0.0500</b>  | <b>1.3600e-003</b> | <b>0.0514</b> | <b>0.0000</b> | <b>146.0086</b> | <b>146.0086</b> | <b>6.6200e-003</b> | <b>0.0000</b> | <b>146.1475</b> |

### 3.15 Phase Four: Architectural Coating - 2022

#### 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 | 4.1046        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road        | 0.0153        | 0.1056        | 0.1360        | 2.2000e-004        |               | 6.1300e-003        | 6.1300e-003        |                | 6.1300e-003        | 6.1300e-003        | 0.0000        | 19.1494        | 19.1494        | 1.2500e-003        | 0.0000        | 19.1756        |
| <b>Total</b>    | <b>4.1199</b> | <b>0.1056</b> | <b>0.1360</b> | <b>2.2000e-004</b> |               | <b>6.1300e-003</b> | <b>6.1300e-003</b> |                | <b>6.1300e-003</b> | <b>6.1300e-003</b> | <b>0.0000</b> | <b>19.1494</b> | <b>19.1494</b> | <b>1.2500e-003</b> | <b>0.0000</b> | <b>19.1756</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       | 0.0427        | 0.0619        | 0.6484        | 2.3100e-003        | 0.1884        | 1.4700e-003        | 0.1899        | 0.0500         | 1.3600e-003        | 0.0514        | 0.0000        | 146.0086        | 146.0086        | 6.6200e-003        | 0.0000        | 146.1475        |
| <b>Total</b> | <b>0.0427</b> | <b>0.0619</b> | <b>0.6484</b> | <b>2.3100e-003</b> | <b>0.1884</b> | <b>1.4700e-003</b> | <b>0.1899</b> | <b>0.0500</b>  | <b>1.3600e-003</b> | <b>0.0514</b> | <b>0.0000</b> | <b>146.0086</b> | <b>146.0086</b> | <b>6.6200e-003</b> | <b>0.0000</b> | <b>146.1475</b> |

**3.16 Phase Four: 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     | 0.0465        | 0.4692        | 0.6141        | 9.6000e-004        |               | 0.0240        | 0.0240        |                | 0.0221        | 0.0221        | 0.0000        | 84.2861        | 84.2861        | 0.0273        | 0.0000        | 84.8586        |
| Paving       | 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>0.0465</b> | <b>0.4692</b> | <b>0.6141</b> | <b>9.6000e-004</b> |               | <b>0.0240</b> | <b>0.0240</b> |                | <b>0.0221</b> | <b>0.0221</b> | <b>0.0000</b> | <b>84.2861</b> | <b>84.2861</b> | <b>0.0273</b> | <b>0.0000</b> | <b>84.8586</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       | 1.6100e-003        | 2.3200e-003        | 0.0244        | 9.0000e-005        | 7.0800e-003        | 6.0000e-005        | 7.1300e-003        | 1.8800e-003        | 5.0000e-005        | 1.9300e-003        | 0.0000        | 5.4833        | 5.4833        | 2.5000e-004        | 0.0000        | 5.4885        |
| <b>Total</b> | <b>1.6100e-003</b> | <b>2.3200e-003</b> | <b>0.0244</b> | <b>9.0000e-005</b> | <b>7.0800e-003</b> | <b>6.0000e-005</b> | <b>7.1300e-003</b> | <b>1.8800e-003</b> | <b>5.0000e-005</b> | <b>1.9300e-003</b> | <b>0.0000</b> | <b>5.4833</b> | <b>5.4833</b> | <b>2.5000e-004</b> | <b>0.0000</b> | <b>5.4885</b> |



**3.16 Phase Four: Paving - 2022**

**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     | 0.0465        | 0.4692        | 0.6141        | 9.6000e-004        |               | 0.0240        | 0.0240        |                | 0.0221        | 0.0221        | 0.0000        | 84.2860        | 84.2860        | 0.0273        | 0.0000        | 84.8585        |
| Paving       | 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>0.0465</b> | <b>0.4692</b> | <b>0.6141</b> | <b>9.6000e-004</b> |               | <b>0.0240</b> | <b>0.0240</b> |                | <b>0.0221</b> | <b>0.0221</b> | <b>0.0000</b> | <b>84.2860</b> | <b>84.2860</b> | <b>0.0273</b> | <b>0.0000</b> | <b>84.8585</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       | 1.6100e-003        | 2.3200e-003        | 0.0244        | 9.0000e-005        | 7.0800e-003        | 6.0000e-005        | 7.1300e-003        | 1.8800e-003        | 5.0000e-005        | 1.9300e-003        | 0.0000        | 5.4833        | 5.4833        | 2.5000e-004        | 0.0000        | 5.4885        |
| <b>Total</b> | <b>1.6100e-003</b> | <b>2.3200e-003</b> | <b>0.0244</b> | <b>9.0000e-005</b> | <b>7.0800e-003</b> | <b>6.0000e-005</b> | <b>7.1300e-003</b> | <b>1.8800e-003</b> | <b>5.0000e-005</b> | <b>1.9300e-003</b> | <b>0.0000</b> | <b>5.4833</b> | <b>5.4833</b> | <b>2.5000e-004</b> | <b>0.0000</b> | <b>5.4885</b> |

**4.0 Operational Detail - Mobile**

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### 4.1 Mitigation Measures Mobile

Increase Density

Improve Destination Accessibility

Increase Transit Accessibility

Provide Riade Sharing Program

|             | 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   | 6.9935  | 14.1410 | 64.2242 | 0.1793 | 11.8972       | 0.2467       | 12.1440    | 3.1842         | 0.2277        | 3.4118      | 0.0000   | 12,313.98<br>20 | 12,313.98<br>20 | 0.4260 | 0.0000 | 12,322.92<br>88 |
| Unmitigated | 7.7509  | 19.5403 | 82.7963 | 0.2660 | 17.9326       | 0.3581       | 18.2906    | 4.7995         | 0.3304        | 5.1298      | 0.0000   | 18,272.16<br>35 | 18,272.16<br>35 | 0.6152 | 0.0000 | 18,285.08<br>34 |

### 4.2 Trip Summary Information

| Land Use                            | Average Daily Trip Rate |                  |                 | Unmitigated       | Mitigated         |
|-------------------------------------|-------------------------|------------------|-----------------|-------------------|-------------------|
|                                     | Weekday                 | Saturday         | Sunday          | Annual VMT        | Annual VMT        |
| City Park                           | 110.95                  | 110.95           | 110.95          | 319,263           | 209,450           |
| Condo/Townhouse High Rise           | 1,117.20                | 1,360.40         | 1153.30         | 3,953,986         | 2,737,393         |
| Condo/Townhouse High Rise           | 3,239.88                | 3,945.16         | 3344.57         | 11,466,561        | 7,938,439         |
| Enclosed Parking with Elevator      | 0.00                    | 0.00             | 0.00            |                   |                   |
| Enclosed Parking with Elevator      | 0.00                    | 0.00             | 0.00            |                   |                   |
| Enclosed Parking with Elevator      | 0.00                    | 0.00             | 0.00            |                   |                   |
| Government (Civic Center)           | 5,820.08                | 0.00             | 0.00            | 12,837,976        | 8,280,614         |
| High Turnover (Sit Down Restaurant) | 966.34                  | 1,203.61         | 1001.98         | 1,370,092         | 903,191           |
| Hotel                               | 1,552.30                | 1,556.10         | 1130.50         | 3,561,565         | 2,342,143         |
| Library                             | 3,357.03                | 4,068.47         | 2227.83         | 8,324,778         | 5,372,919         |
| Regional Shopping Center            | 3,076.18                | 1,519.09         | 767.30          | 5,458,791         | 3,592,075         |
| <b>Total</b>                        | <b>19,239.96</b>        | <b>13,763.78</b> | <b>9,736.43</b> | <b>47,293,012</b> | <b>31,376,223</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-W | H-S or C-C | H-O or C-NW | Primary        | Diverted | Pass-by |
| City Park                      | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 66             | 28       | 6       |
| Condo/Townhouse High Rise      | 14.70      | 5.90       | 8.70        | 40.20      | 19.20      | 40.60       | 86             | 11       | 3       |
| Condo/Townhouse High Rise      | 14.70      | 5.90       | 8.70        | 40.20      | 19.20      | 40.60       | 86             | 11       | 3       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Enclosed Parking with Elevator | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Government (Civic Center)      | 16.60      | 8.40       | 6.90        | 75.00      | 20.00      | 5.00        | 50             | 34       | 16      |
| High Turnover (Sit Down)       | 16.60      | 8.40       | 6.90        | 8.50       | 72.50      | 19.00       | 37             | 20       | 43      |
| Hotel                          | 16.60      | 8.40       | 6.90        | 19.40      | 61.60      | 19.00       | 58             | 38       | 4       |
| Library                        | 16.60      | 8.40       | 6.90        | 52.00      | 43.00      | 5.00        | 44             | 44       | 12      |
| Regional Shopping Center       | 16.60      | 8.40       | 6.90        | 16.30      | 64.70      | 19.00       | 54             | 35       | 11      |

| LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 0.504606 | 0.059848 | 0.182048 | 0.140509 | 0.043346 | 0.006835 | 0.016277 | 0.034901 | 0.001966 | 0.002503 | 0.004308 | 0.000568 | 0.002288 |

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

Exceed Title 24

Install High Efficiency Lighting

Percent of Electricity Use Generated with Renewable 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   | 2,917.2237 | 2,917.2237 | 0.1341 | 0.0277 | 2,928.6403 |
| Electricity Unmitigated |         |        |        |             |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      | 0.0000   | 5,558.3571 | 5,558.3571 | 0.2555 | 0.0529 | 5,580.1098 |
| NaturalGas Mitigated    | 0.1223  | 1.0858 | 0.7406 | 6.6700e-003 |               | 0.0845       | 0.0845     |                | 0.0845        | 0.0845      | 0.0000   | 1,210.7369 | 1,210.7369 | 0.0232 | 0.0222 | 1,218.1053 |
| NaturalGas Unmitigated  | 0.1457  | 1.2932 | 0.8825 | 7.9500e-003 |               | 0.1007       | 0.1007     |                | 0.1007        | 0.1007      | 0.0000   | 1,442.0330 | 1,442.0330 | 0.0276 | 0.0264 | 1,450.8090 |

### 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         |                   |                   |               |               |                   |
| Condo/Townhouse High Rise           | 2.73715e+006   | 0.0148        | 0.1261        | 0.0537        | 8.1000e-004        |               | 0.0102        | 0.0102        |                | 0.0102        | 0.0102        | 0.0000        | 146.0645          | 146.0645          | 2.8000e-003   | 2.6800e-003   | 146.9534          |
| Condo/Townhouse High Rise           | 7.93772e+006   | 0.0428        | 0.3658        | 0.1556        | 2.3300e-003        |               | 0.0296        | 0.0296        |                | 0.0296        | 0.0296        | 0.0000        | 423.5871          | 423.5871          | 8.1200e-003   | 7.7700e-003   | 426.1650          |
| Enclosed Parking with Elevator      | 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            |
| Government (Civic Center)           | 5.97874e+006   | 0.0322        | 0.2931        | 0.2462        | 1.7600e-003        |               | 0.0223        | 0.0223        |                | 0.0223        | 0.0223        | 0.0000        | 319.0485          | 319.0485          | 6.1200e-003   | 5.8500e-003   | 320.9902          |
| High Turnover (Sit Down Restaurant) | 1.77088e+006   | 9.5500e-003   | 0.0868        | 0.0729        | 5.2000e-004        |               | 6.6000e-003   | 6.6000e-003   |                | 6.6000e-003   | 6.6000e-003   | 0.0000        | 94.5007           | 94.5007           | 1.8100e-003   | 1.7300e-003   | 95.0758           |
| Hotel                               | 6.90252e+006   | 0.0372        | 0.3384        | 0.2842        | 2.0300e-003        |               | 0.0257        | 0.0257        |                | 0.0257        | 0.0257        | 0.0000        | 368.3446          | 368.3446          | 7.0600e-003   | 6.7500e-003   | 370.5863          |
| Library                             | 1.64399e+006   | 8.8600e-003   | 0.0806        | 0.0677        | 4.8000e-004        |               | 6.1200e-003   | 6.1200e-003   |                | 6.1200e-003   | 6.1200e-003   | 0.0000        | 87.7298           | 87.7298           | 1.6800e-003   | 1.6100e-003   | 88.2637           |
| Regional Shopping Center            | 51680          | 2.8000e-004   | 2.5300e-003   | 2.1300e-003   | 2.0000e-005        |               | 1.9000e-004   | 1.9000e-004   |                | 1.9000e-004   | 1.9000e-004   | 0.0000        | 2.7578            | 2.7578            | 5.0000e-005   | 5.0000e-005   | 2.7746            |
| City Park                           | 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>0.1457</b> | <b>1.2933</b> | <b>0.8825</b> | <b>7.9500e-003</b> |               | <b>0.1007</b> | <b>0.1007</b> |                | <b>0.1007</b> | <b>0.1007</b> | <b>0.0000</b> | <b>1,442.0330</b> | <b>1,442.0330</b> | <b>0.0276</b> | <b>0.0264</b> | <b>1,450.8090</b> |

### 5.2 Energy by Land Use - NaturalGas

#### 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         |                   |                   |               |               |                   |
| Condo/Townhouse High Rise           | 2.30185e+006   | 0.0124        | 0.1061        | 0.0451        | 6.8000e-004        |               | 8.5800e-003   | 8.5800e-003   |                | 8.5800e-003   | 8.5800e-003   | 0.0000        | 122.8357          | 122.8357          | 2.3500e-003   | 2.2500e-003   | 123.5833          |
| Condo/Townhouse High Rise           | 6.67538e+006   | 0.0360        | 0.3076        | 0.1309        | 1.9600e-003        |               | 0.0249        | 0.0249        |                | 0.0249        | 0.0249        | 0.0000        | 356.2236          | 356.2236          | 6.8300e-003   | 6.5300e-003   | 358.3915          |
| Enclosed Parking with Elevator      | 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            |
| Government (Civic Center)           | 4.82566e+006   | 0.0260        | 0.2366        | 0.1987        | 1.4200e-003        |               | 0.0180        | 0.0180        |                | 0.0180        | 0.0180        | 0.0000        | 257.5156          | 257.5156          | 4.9400e-003   | 4.7200e-003   | 259.0828          |
| High Turnover (Sit Down Restaurant) | 1.70213e+006   | 9.1800e-003   | 0.0834        | 0.0701        | 5.0000e-004        |               | 6.3400e-003   | 6.3400e-003   |                | 6.3400e-003   | 6.3400e-003   | 0.0000        | 90.8320           | 90.8320           | 1.7400e-003   | 1.6700e-003   | 91.3847           |
| Hotel                               | 5.74603e+006   | 0.0310        | 0.2817        | 0.2366        | 1.6900e-003        |               | 0.0214        | 0.0214        |                | 0.0214        | 0.0214        | 0.0000        | 306.6300          | 306.6300          | 5.8800e-003   | 5.6200e-003   | 308.4961          |
| Library                             | 1.39298e+006   | 7.5100e-003   | 0.0683        | 0.0574        | 4.1000e-004        |               | 5.1900e-003   | 5.1900e-003   |                | 5.1900e-003   | 5.1900e-003   | 0.0000        | 74.3348           | 74.3348           | 1.4200e-003   | 1.3600e-003   | 74.7872           |
| Regional Shopping Center            | 44323.2        | 2.4000e-004   | 2.1700e-003   | 1.8300e-003   | 1.0000e-005        |               | 1.7000e-004   | 1.7000e-004   |                | 1.7000e-004   | 1.7000e-004   | 0.0000        | 2.3653            | 2.3653            | 5.0000e-005   | 4.0000e-005   | 2.3797            |
| City Park                           | 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>0.1223</b> | <b>1.0858</b> | <b>0.7406</b> | <b>6.6700e-003</b> |               | <b>0.0845</b> | <b>0.0845</b> |                | <b>0.0845</b> | <b>0.0845</b> | <b>0.0000</b> | <b>1,210.7369</b> | <b>1,210.7369</b> | <b>0.0232</b> | <b>0.0222</b> | <b>1,218.1052</b> |

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

|                                     | Electricity Use | Total CO2         | CH4           | N2O           | CO2e              |
|-------------------------------------|-----------------|-------------------|---------------|---------------|-------------------|
| Land Use                            | kWh/yr          | MT/yr             |               |               |                   |
| City Park                           | 0               | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Condo/Townhouse High Rise           | 2.42323e+006    | 693.4487          | 0.0319        | 6.5900e-003   | 696.1626          |
| Condo/Townhouse High Rise           | 835597          | 239.1203          | 0.0110        | 2.2700e-003   | 240.0561          |
| Enclosed Parking with Elevator      | 1.37226e+006    | 392.6965          | 0.0181        | 3.7300e-003   | 394.2334          |
| Enclosed Parking with Elevator      | 1.9546e+006     | 559.3418          | 0.0257        | 5.3200e-003   | 561.5308          |
| Enclosed Parking with Elevator      | 674000          | 192.8765          | 8.8700e-003   | 1.8300e-003   | 193.6313          |
| Government (Civic Center)           | 7.94795e+006    | 2,274.4412        | 0.1046        | 0.0216        | 2,283.3422        |
| High Turnover (Sit Down Restaurant) | 356516          | 102.0231          | 4.6900e-003   | 9.7000e-004   | 102.4223          |
| Hotel                               | 2.34498e+006    | 671.0556          | 0.0309        | 6.3800e-003   | 673.6818          |
| Library                             | 1.05317e+006    | 301.3824          | 0.0139        | 2.8700e-003   | 302.5619          |
| Regional Shopping Center            | 461168          | 131.9710          | 6.0700e-003   | 1.2600e-003   | 132.4875          |
| <b>Total</b>                        |                 | <b>5,558.3570</b> | <b>0.2555</b> | <b>0.0529</b> | <b>5,580.1098</b> |

### 5.3 Energy by Land Use - Electricity

#### Mitigated

|                                     | Electricity Use | Total CO2         | CH4           | N2O           | CO2e              |
|-------------------------------------|-----------------|-------------------|---------------|---------------|-------------------|
| Land Use                            | kWh/yr          | MT/yr             |               |               |                   |
| City Park                           | 0               | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Condo/Townhouse High Rise           | 1.48485e+006    | 424.9137          | 0.0195        | 4.0400e-003   | 426.5766          |
| Condo/Townhouse High Rise           | 512016          | 146.5220          | 6.7400e-003   | 1.3900e-003   | 147.0954          |
| Enclosed Parking with Elevator      | 298763          | 85.4959           | 3.9300e-003   | 8.1000e-004   | 85.8305           |
| Enclosed Parking with Elevator      | 608280          | 174.0697          | 8.0000e-003   | 1.6600e-003   | 174.7510          |
| Enclosed Parking with Elevator      | 866411          | 247.9382          | 0.0114        | 2.3600e-003   | 248.9085          |
| Government (Civic Center)           | 4.17986e+006    | 1,196.1361        | 0.0550        | 0.0114        | 1,200.8172        |
| High Turnover (Sit Down Restaurant) | 218299          | 62.4698           | 2.8700e-003   | 5.9000e-004   | 62.7143           |
| Hotel                               | 1.24322e+006    | 355.7680          | 0.0164        | 3.3800e-003   | 357.1603          |
| Library                             | 579298          | 165.7759          | 7.6200e-003   | 1.5800e-003   | 166.4247          |
| Regional Shopping Center            | 203148          | 58.1342           | 2.6700e-003   | 5.5000e-004   | 58.3617           |
| <b>Total</b>                        |                 | <b>2,917.2237</b> | <b>0.1341</b> | <b>0.0277</b> | <b>2,928.6403</b> |

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area



Use Electric Lawnmower

Use Electric Leafblower

Use Electric Chainsaw

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use Low VOC Paint - Non-Residential Interior

Use Low VOC Paint - Non-Residential Exterior

Use only Natural Gas Hearths

|             | 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   | 9.9123  | 0.0795 | 6.7690 | 3.3000e-004 |               | 0.0368       | 0.0368     |                | 0.0368        | 0.0368      | 0.0000   | 10.6535   | 10.6535   | 9.3700e-003 | 0.0000 | 10.8503 |
| Unmitigated | 11.2799 | 0.0890 | 7.6973 | 4.1000e-004 |               | 0.0423       | 0.0423     |                | 0.0423        | 0.0423      | 0.0000   | 12.5409   | 12.5409   | 0.0123      | 0.0000 | 12.7998 |

## 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 | 1.9350         |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Consumer Products     | 9.1086         |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Hearth                | 0.0000         | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Landscaping           | 0.2363         | 0.0890        | 7.6973        | 4.1000e-004        |               | 0.0423        | 0.0423        |                | 0.0423        | 0.0423        | 0.0000        | 12.5409        | 12.5409        | 0.0123        | 0.0000        | 12.7998        |
| <b>Total</b>          | <b>11.2799</b> | <b>0.0890</b> | <b>7.6973</b> | <b>4.1000e-004</b> |               | <b>0.0423</b> | <b>0.0423</b> |                | <b>0.0423</b> | <b>0.0423</b> | <b>0.0000</b> | <b>12.5409</b> | <b>12.5409</b> | <b>0.0123</b> | <b>0.0000</b> | <b>12.7998</b> |

## 6.2 Area by SubCategory

### 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 | 0.6232        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Consumer Products     | 9.1086        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Hearth                | 0.0000        | 0.0000        | 0.0000        | 0.0000             |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Landscaping           | 0.1805        | 0.0795        | 6.7690        | 3.3000e-004        |               | 0.0368        | 0.0368        |                | 0.0368        | 0.0368        | 0.0000        | 10.6535        | 10.6535        | 9.3700e-003        | 0.0000        | 10.8503        |
| <b>Total</b>          | <b>9.9123</b> | <b>0.0795</b> | <b>6.7690</b> | <b>3.3000e-004</b> |               | <b>0.0368</b> | <b>0.0368</b> |                | <b>0.0368</b> | <b>0.0368</b> | <b>0.0000</b> | <b>10.6535</b> | <b>10.6535</b> | <b>9.3700e-003</b> | <b>0.0000</b> | <b>10.8503</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   | 866.7647   | 4.4441 | 0.1117 | 994.7266   |
| Unmitigated | 1,024.2621 | 5.5534 | 0.1393 | 1,184.0684 |

## 7.2 Water by Land Use

### Unmitigated

|                                     | Indoor/Outdoor Use | Total CO2         | CH4           | N2O           | CO2e              |
|-------------------------------------|--------------------|-------------------|---------------|---------------|-------------------|
| Land Use                            | Mgal               | MT/yr             |               |               |                   |
| City Park                           | 0 / 3.777          | 12.0083           | 5.5000e-004   | 1.1000e-004   | 12.0553           |
| Condo/Townhouse High Rise           | 48.2791 / 30.4368  | 291.9817          | 1.5859        | 0.0398        | 337.6165          |
| Enclosed Parking with Elevator      | 0 / 0              | 0.0000            | 0.0000        | 0.0000        | 0.0000            |
| Government (Civic Center)           | 108.667 / 66.6023  | 651.1366          | 3.5693        | 0.0895        | 753.8277          |
| High Turnover (Sit Down Restaurant) | 2.30686 / 0.147246 | 9.7958            | 0.0756        | 1.8600e-003   | 11.9600           |
| Hotel                               | 4.81969 / 0.535521 | 21.1907           | 0.1580        | 3.9000e-003   | 25.7152           |
| Library                             | 2.73465 / 4.27727  | 24.6562           | 0.0902        | 2.3300e-003   | 27.2728           |
| Regional Shopping Center            | 2.2518 / 1.38014   | 13.4929           | 0.0740        | 1.8500e-003   | 15.6209           |
| <b>Total</b>                        |                    | <b>1,024.2621</b> | <b>5.5534</b> | <b>0.1393</b> | <b>1,184.0684</b> |

## 7.2 Water by Land Use

### Mitigated

|                                     | Indoor/Outdoor Use | Total CO2       | CH4           | N2O           | CO2e            |
|-------------------------------------|--------------------|-----------------|---------------|---------------|-----------------|
| Land Use                            | Mgal               | MT/yr           |               |               |                 |
| City Park                           | 0 / 3.5466         | 11.2758         | 5.2000e-004   | 1.1000e-004   | 11.3199         |
| Condo/Townhouse High Rise           | 38.6233 / 28.5802  | 247.0362        | 1.2691        | 0.0319        | 283.5771        |
| Enclosed Parking with Elevator      | 0 / 0              | 0.0000          | 0.0000        | 0.0000        | 0.0000          |
| Government (Civic Center)           | 86.9335 / 62.5395  | 550.3425        | 2.8562        | 0.0718        | 632.5666        |
| High Turnover (Sit Down Restaurant) | 1.84548 / 0.138264 | 7.9017          | 0.0605        | 1.4900e-003   | 9.6324          |
| Hotel                               | 3.85575 / 0.502854 | 17.1892         | 0.1264        | 3.1100e-003   | 20.8078         |
| Library                             | 2.18772 / 4.01636  | 21.6152         | 0.0722        | 1.8800e-003   | 23.7148         |
| Regional Shopping Center            | 1.80144 / 1.29595  | 11.4043         | 0.0592        | 1.4900e-003   | 13.1081         |
| <b>Total</b>                        |                    | <b>866.7647</b> | <b>4.4441</b> | <b>0.1117</b> | <b>994.7266</b> |

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

**Category/Year**

|             | Total CO2 | CH4     | N2O    | CO2e       |
|-------------|-----------|---------|--------|------------|
|             | MT/yr     |         |        |            |
| Mitigated   | 764.4437  | 45.1773 | 0.0000 | 1,713.1675 |
| Unmitigated | 764.4437  | 45.1773 | 0.0000 | 1,713.1675 |

**8.2 Waste by Land Use****Unmitigated**

|                                     | Waste Disposed | Total CO2       | CH4            | N2O           | CO2e              |
|-------------------------------------|----------------|-----------------|----------------|---------------|-------------------|
| Land Use                            | tons           | MT/yr           |                |               |                   |
| City Park                           | 0.27           | 0.0548          | 3.2400e-003    | 0.0000        | 0.1228            |
| Condo/Townhouse High Rise           | 340.86         | 69.1915         | 4.0891         | 0.0000        | 155.0626          |
| Enclosed Parking with Elevator      | 0              | 0.0000          | 0.0000         | 0.0000        | 0.0000            |
| Government (Civic Center)           | 3117.9         | 632.9055        | 37.4036        | 0.0000        | 1,418.3821        |
| High Turnover (Sit Down Restaurant) | 90.44          | 18.3585         | 1.0850         | 0.0000        | 41.1426           |
| Hotel                               | 104.02         | 21.1151         | 1.2479         | 0.0000        | 47.3203           |
| Library                             | 80.49          | 16.3387         | 0.9656         | 0.0000        | 36.6162           |
| Regional Shopping Center            | 31.92          | 6.4795          | 0.3829         | 0.0000        | 14.5209           |
| <b>Total</b>                        |                | <b>764.4437</b> | <b>45.1773</b> | <b>0.0000</b> | <b>1,713.1675</b> |



## 8.2 Waste by Land Use

### Mitigated

|                                     | Waste Disposed | Total CO2       | CH4            | N2O           | CO2e              |
|-------------------------------------|----------------|-----------------|----------------|---------------|-------------------|
| Land Use                            | tons           | MT/yr           |                |               |                   |
| City Park                           | 0.27           | 0.0548          | 3.2400e-003    | 0.0000        | 0.1228            |
| Condo/Townhouse High Rise           | 340.86         | 69.1915         | 4.0891         | 0.0000        | 155.0626          |
| Enclosed Parking with Elevator      | 0              | 0.0000          | 0.0000         | 0.0000        | 0.0000            |
| Government (Civic Center)           | 3117.9         | 632.9055        | 37.4036        | 0.0000        | 1,418.3821        |
| High Turnover (Sit Down Restaurant) | 90.44          | 18.3585         | 1.0850         | 0.0000        | 41.1426           |
| Hotel                               | 104.02         | 21.1151         | 1.2479         | 0.0000        | 47.3203           |
| Library                             | 80.49          | 16.3387         | 0.9656         | 0.0000        | 36.6162           |
| Regional Shopping Center            | 31.92          | 6.4795          | 0.3829         | 0.0000        | 14.5209           |
| <b>Total</b>                        |                | <b>764.4437</b> | <b>45.1773</b> | <b>0.0000</b> | <b>1,713.1675</b> |

## 9.0 Operational Offroad

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

## 10.0 Vegetation