

400 E Lomita Avenue - Holy Family - Los Angeles-South Coast County, Annual

## 400 E Lomita Avenue - Holy Family

### Los Angeles-South Coast County, Annual

## 1.0 Project Characteristics

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### 1.1 Land Usage

| Land Uses               | Size  | Metric   | Lot Acreage | Floor Surface Area | Population |
|-------------------------|-------|----------|-------------|--------------------|------------|
| General Office Building | 12.60 | 1000sqft | 0.29        | 12,600.00          | 0          |
| High School             | 2.90  | 1000sqft | 0.07        | 2,900.00           | 0          |
| High School             | 18.59 | 1000sqft | 1.36        | 18,592.00          | 0          |
| Place of Worship        | 12.76 | 1000sqft | 0.29        | 12,764.00          | 0          |
| Other Asphalt Surfaces  | 12.86 | 1000sqft | 0.30        | 12,860.00          | 0          |
| Parking Lot             | 65.25 | 1000sqft | 1.50        | 65,253.00          | 0          |

### 1.2 Other Project Characteristics

|                          |                        |                          |       |                           |       |
|--------------------------|------------------------|--------------------------|-------|---------------------------|-------|
| Urbanization             | Urban                  | Wind Speed (m/s)         | 2.2   | Precipitation Freq (Days) | 33    |
| Climate Zone             | 12                     |                          |       | Operational Year          | 2021  |
| Utility Company          | Glendale Water & Power |                          |       |                           |       |
| CO2 Intensity (lb/MW hr) | 1115.33                | CH4 Intensity (lb/MW hr) | 0.029 | N2O Intensity (lb/MW hr)  | 0.006 |

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

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Project Characteristics - Site: 3 parcels (166,724 SF). Phase I - i) Demo 548 SF storage and 3,055 SF Offices, ii) Construct new 12,600 SF office, 65,253 SF parking lot and 12,859 SF grass parking lot. Phase II - i) Demo 2,827 SF Parish Hall, ii) construct 2,900 SF classroom.

Land Use - Existing: 12,764 SF Church and 18,592 SF High School. New: 12,600 SF Parish/School Offices, 2,900 SF Music/Lifeteen Classroom, 65,253 SF surface parking lot, 12,859 SF grass parking lot/playground.

Construction Phase -

Demolition - Phase I: Demo 3,055 SF Parish Office and 548 SF Storage Room. Phase II: Demo approx 65,253 SF asphalt parking lot (1 ton = approx. 79 SF of paving; 65,253 SF/79 SF= 825.98 tons)

Grading -

Energy Use -

| Table Name     | Column Name       | Default Value | New Value |
|----------------|-------------------|---------------|-----------|
| tblGrading     | MaterialExported  | 0.00          | 40.00     |
| tblGrading     | MaterialExported  | 0.00          | 790.00    |
| tblGrading     | MaterialImported  | 0.00          | 50.00     |
| tblGrading     | MaterialImported  | 0.00          | 140.00    |
| tblLandUse     | LandUseSquareFeet | 18,590.00     | 18,592.00 |
| tblLandUse     | LandUseSquareFeet | 12,760.00     | 12,764.00 |
| tblLandUse     | LandUseSquareFeet | 65,250.00     | 65,253.00 |
| tblLandUse     | LotAcreage        | 0.43          | 1.36      |
| tblTripsAndVMT | HaulingTripNumber | 16.00         | 0.00      |
| tblTripsAndVMT | HaulingTripNumber | 11.00         | 0.00      |
| tblTripsAndVMT | HaulingTripNumber | 116.00        | 0.00      |
| tblTripsAndVMT | HaulingTripNumber | 82.00         | 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    |           |           |        |        |          |
| 2020    | 0.0943  | 0.9000 | 0.6683 | 1.2500e-003 | 0.0873        | 0.0459       | 0.1332     | 0.0424         | 0.0427        | 0.0851      | 0.0000   | 110.3926  | 110.3926  | 0.0259 | 0.0000 | 111.0393 |
| 2021    | 0.7654  | 2.7758 | 2.5955 | 4.9900e-003 | 0.1602        | 0.1380       | 0.2982     | 0.0612         | 0.1293        | 0.1905      | 0.0000   | 439.3323  | 439.3323  | 0.0883 | 0.0000 | 441.5387 |
| 2022    | 0.2158  | 1.9322 | 2.0418 | 4.0900e-003 | 0.0750        | 0.0895       | 0.1645     | 0.0202         | 0.0842        | 0.1044      | 0.0000   | 360.5325  | 360.5325  | 0.0655 | 0.0000 | 362.1688 |
| Maximum | 0.7654  | 2.7758 | 2.5955 | 4.9900e-003 | 0.1602        | 0.1380       | 0.2982     | 0.0612         | 0.1293        | 0.1905      | 0.0000   | 439.3323  | 439.3323  | 0.0883 | 0.0000 | 441.5387 |

**Mitigated Construction**

|         | ROG     | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e     |
|---------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Year    | tons/yr |        |        |             |               |              |            |                |               |             | MT/yr    |           |           |        |        |          |
| 2020    | 0.0943  | 0.9000 | 0.6683 | 1.2500e-003 | 0.0873        | 0.0459       | 0.1332     | 0.0424         | 0.0427        | 0.0851      | 0.0000   | 110.3925  | 110.3925  | 0.0259 | 0.0000 | 111.0392 |
| 2021    | 0.7654  | 2.7758 | 2.5955 | 4.9900e-003 | 0.1602        | 0.1380       | 0.2982     | 0.0612         | 0.1293        | 0.1905      | 0.0000   | 439.3319  | 439.3319  | 0.0883 | 0.0000 | 441.5383 |
| 2022    | 0.2158  | 1.9321 | 2.0418 | 4.0900e-003 | 0.0750        | 0.0895       | 0.1645     | 0.0202         | 0.0842        | 0.1044      | 0.0000   | 360.5322  | 360.5322  | 0.0655 | 0.0000 | 362.1685 |
| Maximum | 0.7654  | 2.7758 | 2.5955 | 4.9900e-003 | 0.1602        | 0.1380       | 0.2982     | 0.0612         | 0.1293        | 0.1905      | 0.0000   | 439.3319  | 439.3319  | 0.0883 | 0.0000 | 441.5383 |

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

| Quarter | Start Date | End Date   | Maximum Unmitigated ROG + NOX (tons/quarter) | Maximum Mitigated ROG + NOX (tons/quarter) |
|---------|------------|------------|----------------------------------------------|--------------------------------------------|
| 1       | 10-1-2020  | 12-31-2020 | 0.9921                                       | 0.9921                                     |
| 2       | 1-1-2021   | 3-31-2021  | 0.6989                                       | 0.6989                                     |
| 3       | 4-1-2021   | 6-30-2021  | 0.7054                                       | 0.7054                                     |
| 4       | 7-1-2021   | 9-30-2021  | 0.7131                                       | 0.7131                                     |
| 5       | 10-1-2021  | 12-31-2021 | 1.3778                                       | 1.3778                                     |
| 6       | 1-1-2022   | 3-31-2022  | 0.6301                                       | 0.6301                                     |
| 7       | 4-1-2022   | 6-30-2022  | 0.6359                                       | 0.6359                                     |
| 8       | 7-1-2022   | 9-30-2022  | 0.6429                                       | 0.6429                                     |
|         |            | Highest    | 1.3778                                       | 1.3778                                     |

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**2.2 Overall Operational****Unmitigated Operational**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2       | NBio- CO2         | Total CO2         | CH4           | N2O                | CO2e              |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------------|-------------------|-------------------|---------------|--------------------|-------------------|
| Category     | tons/yr       |               |               |                    |               |                    |               |                |                    |               | MT/yr          |                   |                   |               |                    |                   |
| Area         | 0.1973        | 1.0000e-005   | 1.6000e-003   | 0.0000             |               | 1.0000e-005        | 1.0000e-005   |                | 1.0000e-005        | 1.0000e-005   | 0.0000         | 3.1000e-003       | 3.1000e-003       | 1.0000e-005   | 0.0000             | 3.3100e-003       |
| Energy       | 3.1600e-003   | 0.0287        | 0.0241        | 1.7000e-004        |               | 2.1800e-003        | 2.1800e-003   |                | 2.1800e-003        | 2.1800e-003   | 0.0000         | 261.6579          | 261.6579          | 6.5900e-003   | 1.8100e-003        | 262.3628          |
| Mobile       | 0.1623        | 0.8371        | 2.2320        | 7.6800e-003        | 0.6170        | 6.5700e-003        | 0.6236        | 0.1654         | 6.1400e-003        | 0.1715        | 0.0000         | 709.0954          | 709.0954          | 0.0380        | 0.0000             | 710.0449          |
| Waste        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 22.8142        | 0.0000            | 22.8142           | 1.3483        | 0.0000             | 56.5211           |
| Water        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 1.0635         | 43.6203           | 44.6838           | 0.1104        | 2.8100e-003        | 48.2816           |
| <b>Total</b> | <b>0.3627</b> | <b>0.8658</b> | <b>2.2578</b> | <b>7.8500e-003</b> | <b>0.6170</b> | <b>8.7600e-003</b> | <b>0.6258</b> | <b>0.1654</b>  | <b>8.3300e-003</b> | <b>0.1737</b> | <b>23.8777</b> | <b>1,014.3768</b> | <b>1,038.2545</b> | <b>1.5032</b> | <b>4.6200e-003</b> | <b>1,077.2137</b> |

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**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         | 0.1973        | 1.0000e-005   | 1.6000e-003   | 0.0000             |               | 1.0000e-005        | 1.0000e-005   |                | 1.0000e-005        | 1.0000e-005   | 0.0000         | 3.1000e-003       | 3.1000e-003       | 1.0000e-005   | 0.0000             | 3.3100e-003       |
| Energy       | 3.1600e-003   | 0.0287        | 0.0241        | 1.7000e-004        |               | 2.1800e-003        | 2.1800e-003   |                | 2.1800e-003        | 2.1800e-003   | 0.0000         | 261.6579          | 261.6579          | 6.5900e-003   | 1.8100e-003        | 262.3628          |
| Mobile       | 0.1623        | 0.8371        | 2.2320        | 7.6800e-003        | 0.6170        | 6.5700e-003        | 0.6236        | 0.1654         | 6.1400e-003        | 0.1715        | 0.0000         | 709.0954          | 709.0954          | 0.0380        | 0.0000             | 710.0449          |
| Waste        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 22.8142        | 0.0000            | 22.8142           | 1.3483        | 0.0000             | 56.5211           |
| Water        |               |               |               |                    |               | 0.0000             | 0.0000        |                | 0.0000             | 0.0000        | 1.0635         | 43.6203           | 44.6838           | 0.1104        | 2.8100e-003        | 48.2816           |
| <b>Total</b> | <b>0.3627</b> | <b>0.8658</b> | <b>2.2578</b> | <b>7.8500e-003</b> | <b>0.6170</b> | <b>8.7600e-003</b> | <b>0.6258</b> | <b>0.1654</b>  | <b>8.3300e-003</b> | <b>0.1737</b> | <b>23.8777</b> | <b>1,014.3768</b> | <b>1,038.2545</b> | <b>1.5032</b> | <b>4.6200e-003</b> | <b>1,077.2137</b> |

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

**3.0 Construction Detail****Construction Phase**

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| Phase Number | Phase Name                     | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|--------------------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Phase I Demolition             | Demolition            | 10/1/2020  | 10/28/2020 | 5             | 20       |                   |
| 2            | Phase I Site Preparation       | Site Preparation      | 10/29/2020 | 11/4/2020  | 5             | 5        |                   |
| 3            | Phase I Grading                | Grading               | 11/5/2020  | 11/16/2020 | 5             | 8        |                   |
| 4            | Phase I Building Construction  | Building Construction | 11/17/2020 | 10/4/2021  | 5             | 230      |                   |
| 5            | Phase I Paving                 | Paving                | 10/5/2021  | 10/28/2021 | 5             | 18       |                   |
| 6            | Phase I Architectural Coating  | Architectural Coating | 10/29/2021 | 11/23/2021 | 5             | 18       |                   |
| 7            | Phase II Demolition            | Demolition            | 11/1/2021  | 11/26/2021 | 5             | 20       |                   |
| 8            | Phase II Paving                | Paving                | 11/4/2021  | 11/29/2021 | 5             | 18       |                   |
| 9            | Phase II Site Preparation      | Site Preparation      | 11/28/2021 | 12/3/2021  | 5             | 5        |                   |
| 10           | Phase II Architectural Coating | Architectural Coating | 11/30/2021 | 12/23/2021 | 5             | 18       |                   |
| 11           | Phase II Grading               | Grading               | 12/5/2021  | 12/15/2021 | 5             | 8        |                   |
| 12           | Phase II Building Construction | Building Construction | 12/17/2021 | 11/3/2022  | 5             | 230      |                   |

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 1.8

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 70,284; Non-Residential Outdoor: 23,428; Striped Parking Area: 4,687 (Architectural Coating – sqft)

#### OffRoad Equipment

| Phase Name               | Offroad Equipment Type   | Amount | Usage Hours | Horse Power | Load Factor |
|--------------------------|--------------------------|--------|-------------|-------------|-------------|
| Phase I Demolition       | Concrete/Industrial Saws | 1      | 8.00        | 81          | 0.73        |
| Phase I Demolition       | Excavators               | 3      | 8.00        | 158         | 0.38        |
| Phase I Demolition       | Rubber Tired Dozers      | 2      | 8.00        | 247         | 0.40        |
| Phase I Site Preparation | Rubber Tired Dozers      | 3      | 8.00        | 247         | 0.40        |

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|                                |                           |   |      |     |      |
|--------------------------------|---------------------------|---|------|-----|------|
| Phase I Site Preparation       | Tractors/Loaders/Backhoes | 4 | 8.00 | 97  | 0.37 |
| Phase I Grading                | Excavators                | 1 | 8.00 | 158 | 0.38 |
| Phase I Grading                | Graders                   | 1 | 8.00 | 187 | 0.41 |
| Phase I Grading                | Rubber Tired Dozers       | 1 | 8.00 | 247 | 0.40 |
| Phase I Grading                | Tractors/Loaders/Backhoes | 3 | 8.00 | 97  | 0.37 |
| Phase I Building Construction  | Cranes                    | 1 | 7.00 | 231 | 0.29 |
| Phase I Building Construction  | Forklifts                 | 3 | 8.00 | 89  | 0.20 |
| Phase I Building Construction  | Generator Sets            | 1 | 8.00 | 84  | 0.74 |
| Phase I Building Construction  | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Phase I Building Construction  | Welders                   | 1 | 8.00 | 46  | 0.45 |
| Phase I Paving                 | Cement and Mortar Mixers  | 2 | 6.00 | 9   | 0.56 |
| Phase I Paving                 | Pavers                    | 1 | 8.00 | 130 | 0.42 |
| Phase I Paving                 | Paving Equipment          | 2 | 6.00 | 132 | 0.36 |
| Phase I Paving                 | Rollers                   | 2 | 6.00 | 80  | 0.38 |
| Phase I Paving                 | Tractors/Loaders/Backhoes | 1 | 8.00 | 97  | 0.37 |
| Phase I Architectural Coating  | Air Compressors           | 1 | 6.00 | 78  | 0.48 |
| Phase II Demolition            | Concrete/Industrial Saws  | 1 | 8.00 | 81  | 0.73 |
| Phase II Demolition            | Excavators                | 3 | 8.00 | 158 | 0.38 |
| Phase II Demolition            | Rubber Tired Dozers       | 2 | 8.00 | 247 | 0.40 |
| Phase II Site Preparation      | Rubber Tired Dozers       | 3 | 8.00 | 247 | 0.40 |
| Phase II Site Preparation      | Tractors/Loaders/Backhoes | 4 | 8.00 | 97  | 0.37 |
| Phase II Grading               | Excavators                | 1 | 8.00 | 158 | 0.38 |
| Phase II Grading               | Graders                   | 1 | 8.00 | 187 | 0.41 |
| Phase II Grading               | Rubber Tired Dozers       | 1 | 8.00 | 247 | 0.40 |
| Phase II Grading               | Tractors/Loaders/Backhoes | 3 | 8.00 | 97  | 0.37 |
| Phase II Building Construction | Cranes                    | 1 | 7.00 | 231 | 0.29 |
| Phase II Building Construction | Forklifts                 | 3 | 8.00 | 89  | 0.20 |

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|                                |                           |   |      |     |      |
|--------------------------------|---------------------------|---|------|-----|------|
| Phase II Building Construction | Generator Sets            | 1 | 8.00 | 84  | 0.74 |
| Phase II Building Construction | Tractors/Loaders/Backhoes | 3 | 7.00 | 97  | 0.37 |
| Phase II Building Construction | Welders                   | 1 | 8.00 | 46  | 0.45 |
| Phase II Paving                | Cement and Mortar Mixers  | 2 | 6.00 | 9   | 0.56 |
| Phase II Paving                | Pavers                    | 1 | 8.00 | 130 | 0.42 |
| Phase II Paving                | Paving Equipment          | 2 | 6.00 | 132 | 0.36 |
| Phase II Paving                | Rollers                   | 2 | 6.00 | 80  | 0.38 |
| Phase II Paving                | Tractors/Loaders/Backhoes | 1 | 8.00 | 97  | 0.37 |
| Phase II Architectural Coating | Air Compressors           | 1 | 6.00 | 78  | 0.48 |

**Trips and VMT**

| Phase Name                     | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|--------------------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Phase I Demolition             | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase I Site Preparation       | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase I Grading                | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase I Building Construction  | 9                       | 51.00              | 20.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase I Paving                 | 8                       | 20.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase I Architectural Coating  | 1                       | 10.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase II Demolition            | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase II Site Preparation      | 7                       | 18.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase II Grading               | 6                       | 15.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase II Building Construction | 9                       | 51.00              | 20.00              | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase II Paving                | 8                       | 20.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Phase II Architectural Coating | 1                       | 10.00              | 0.00               | 0.00                | 14.70              | 6.90               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

**3.1 Mitigation Measures Construction**

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**3.2 Phase I 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 |               |               |               |                    | 1.7700e-003        | 0.0000        | 1.7700e-003   | 2.7000e-004        | 0.0000        | 2.7000e-004   | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0331        | 0.3320        | 0.2175        | 3.9000e-004        |                    | 0.0166        | 0.0166        |                    | 0.0154        | 0.0154        | 0.0000        | 33.9986        | 33.9986        | 9.6000e-003        | 0.0000        | 34.2386        |
| <b>Total</b>  | <b>0.0331</b> | <b>0.3320</b> | <b>0.2175</b> | <b>3.9000e-004</b> | <b>1.7700e-003</b> | <b>0.0166</b> | <b>0.0184</b> | <b>2.7000e-004</b> | <b>0.0154</b> | <b>0.0157</b> | <b>0.0000</b> | <b>33.9986</b> | <b>33.9986</b> | <b>9.6000e-003</b> | <b>0.0000</b> | <b>34.2386</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       | 6.9000e-004        | 5.6000e-004        | 6.1700e-003        | 2.0000e-005        | 1.6400e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.5320        | 1.5320        | 5.0000e-005        | 0.0000        | 1.5332        |
| <b>Total</b> | <b>6.9000e-004</b> | <b>5.6000e-004</b> | <b>6.1700e-003</b> | <b>2.0000e-005</b> | <b>1.6400e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.5320</b> | <b>1.5320</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>1.5332</b> |

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**3.2 Phase I 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 |               |               |               |                    | 1.7700e-003        | 0.0000        | 1.7700e-003   | 2.7000e-004        | 0.0000        | 2.7000e-004   | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0331        | 0.3320        | 0.2175        | 3.9000e-004        |                    | 0.0166        | 0.0166        |                    | 0.0154        | 0.0154        | 0.0000        | 33.9986        | 33.9986        | 9.6000e-003        | 0.0000        | 34.2385        |
| <b>Total</b>  | <b>0.0331</b> | <b>0.3320</b> | <b>0.2175</b> | <b>3.9000e-004</b> | <b>1.7700e-003</b> | <b>0.0166</b> | <b>0.0184</b> | <b>2.7000e-004</b> | <b>0.0154</b> | <b>0.0157</b> | <b>0.0000</b> | <b>33.9986</b> | <b>33.9986</b> | <b>9.6000e-003</b> | <b>0.0000</b> | <b>34.2385</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       | 6.9000e-004        | 5.6000e-004        | 6.1700e-003        | 2.0000e-005        | 1.6400e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.5320        | 1.5320        | 5.0000e-005        | 0.0000        | 1.5332        |
| <b>Total</b> | <b>6.9000e-004</b> | <b>5.6000e-004</b> | <b>6.1700e-003</b> | <b>2.0000e-005</b> | <b>1.6400e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.5320</b> | <b>1.5320</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>1.5332</b> |

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**3.3 Phase I Site Preparation - 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 |               |               |               |                    | 0.0452        | 0.0000             | 0.0452        | 0.0248         | 0.0000             | 0.0248        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 0.0102        | 0.1060        | 0.0538        | 1.0000e-004        |               | 5.4900e-003        | 5.4900e-003   |                | 5.0500e-003        | 5.0500e-003   | 0.0000        | 8.3577        | 8.3577        | 2.7000e-003        | 0.0000        | 8.4253        |
| <b>Total</b>  | <b>0.0102</b> | <b>0.1060</b> | <b>0.0538</b> | <b>1.0000e-004</b> | <b>0.0452</b> | <b>5.4900e-003</b> | <b>0.0507</b> | <b>0.0248</b>  | <b>5.0500e-003</b> | <b>0.0299</b> | <b>0.0000</b> | <b>8.3577</b> | <b>8.3577</b> | <b>2.7000e-003</b> | <b>0.0000</b> | <b>8.4253</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |               |                    |                    |               |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.1000e-004        | 1.7000e-004        | 1.8500e-003        | 1.0000e-005        | 4.9000e-004        | 0.0000        | 5.0000e-004        | 1.3000e-004        | 0.0000        | 1.3000e-004        | 0.0000        | 0.4596        | 0.4596        | 1.0000e-005        | 0.0000        | 0.4600        |
| <b>Total</b> | <b>2.1000e-004</b> | <b>1.7000e-004</b> | <b>1.8500e-003</b> | <b>1.0000e-005</b> | <b>4.9000e-004</b> | <b>0.0000</b> | <b>5.0000e-004</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>0.4596</b> | <b>0.4596</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.4600</b> |

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**3.3 Phase I Site Preparation - 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 |               |               |               |                    | 0.0452        | 0.0000             | 0.0452        | 0.0248         | 0.0000             | 0.0248        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 0.0102        | 0.1060        | 0.0538        | 1.0000e-004        |               | 5.4900e-003        | 5.4900e-003   |                | 5.0500e-003        | 5.0500e-003   | 0.0000        | 8.3577        | 8.3577        | 2.7000e-003        | 0.0000        | 8.4252        |
| <b>Total</b>  | <b>0.0102</b> | <b>0.1060</b> | <b>0.0538</b> | <b>1.0000e-004</b> | <b>0.0452</b> | <b>5.4900e-003</b> | <b>0.0507</b> | <b>0.0248</b>  | <b>5.0500e-003</b> | <b>0.0299</b> | <b>0.0000</b> | <b>8.3577</b> | <b>8.3577</b> | <b>2.7000e-003</b> | <b>0.0000</b> | <b>8.4252</b> |

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10  | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |               |                    |                    |               |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.1000e-004        | 1.7000e-004        | 1.8500e-003        | 1.0000e-005        | 4.9000e-004        | 0.0000        | 5.0000e-004        | 1.3000e-004        | 0.0000        | 1.3000e-004        | 0.0000        | 0.4596        | 0.4596        | 1.0000e-005        | 0.0000        | 0.4600        |
| <b>Total</b> | <b>2.1000e-004</b> | <b>1.7000e-004</b> | <b>1.8500e-003</b> | <b>1.0000e-005</b> | <b>4.9000e-004</b> | <b>0.0000</b> | <b>5.0000e-004</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>0.4596</b> | <b>0.4596</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.4600</b> |

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**3.4 Phase I 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 |                    |               |               |                    | 0.0263        | 0.0000             | 0.0263        | 0.0135         | 0.0000             | 0.0135        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 9.7200e-003        | 0.1055        | 0.0642        | 1.2000e-004        |               | 5.0900e-003        | 5.0900e-003   |                | 4.6900e-003        | 4.6900e-003   | 0.0000        | 10.4235        | 10.4235        | 3.3700e-003        | 0.0000        | 10.5078        |
| <b>Total</b>  | <b>9.7200e-003</b> | <b>0.1055</b> | <b>0.0642</b> | <b>1.2000e-004</b> | <b>0.0263</b> | <b>5.0900e-003</b> | <b>0.0314</b> | <b>0.0135</b>  | <b>4.6900e-003</b> | <b>0.0182</b> | <b>0.0000</b> | <b>10.4235</b> | <b>10.4235</b> | <b>3.3700e-003</b> | <b>0.0000</b> | <b>10.5078</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.8000e-004        | 2.2000e-004        | 2.4700e-003        | 1.0000e-005        | 6.6000e-004        | 1.0000e-005        | 6.6000e-004        | 1.7000e-004        | 1.0000e-005        | 1.8000e-004        | 0.0000        | 0.6128        | 0.6128        | 2.0000e-005        | 0.0000        | 0.6133        |
| <b>Total</b> | <b>2.8000e-004</b> | <b>2.2000e-004</b> | <b>2.4700e-003</b> | <b>1.0000e-005</b> | <b>6.6000e-004</b> | <b>1.0000e-005</b> | <b>6.6000e-004</b> | <b>1.7000e-004</b> | <b>1.0000e-005</b> | <b>1.8000e-004</b> | <b>0.0000</b> | <b>0.6128</b> | <b>0.6128</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.6133</b> |

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**3.4 Phase I 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 |                    |               |               |                    | 0.0263        | 0.0000             | 0.0263        | 0.0135         | 0.0000             | 0.0135        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 9.7200e-003        | 0.1055        | 0.0642        | 1.2000e-004        |               | 5.0900e-003        | 5.0900e-003   |                | 4.6900e-003        | 4.6900e-003   | 0.0000        | 10.4235        | 10.4235        | 3.3700e-003        | 0.0000        | 10.5078        |
| <b>Total</b>  | <b>9.7200e-003</b> | <b>0.1055</b> | <b>0.0642</b> | <b>1.2000e-004</b> | <b>0.0263</b> | <b>5.0900e-003</b> | <b>0.0314</b> | <b>0.0135</b>  | <b>4.6900e-003</b> | <b>0.0182</b> | <b>0.0000</b> | <b>10.4235</b> | <b>10.4235</b> | <b>3.3700e-003</b> | <b>0.0000</b> | <b>10.5078</b> |

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |                    |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.8000e-004        | 2.2000e-004        | 2.4700e-003        | 1.0000e-005        | 6.6000e-004        | 1.0000e-005        | 6.6000e-004        | 1.7000e-004        | 1.0000e-005        | 1.8000e-004        | 0.0000        | 0.6128        | 0.6128        | 2.0000e-005        | 0.0000        | 0.6133        |
| <b>Total</b> | <b>2.8000e-004</b> | <b>2.2000e-004</b> | <b>2.4700e-003</b> | <b>1.0000e-005</b> | <b>6.6000e-004</b> | <b>1.0000e-005</b> | <b>6.6000e-004</b> | <b>1.7000e-004</b> | <b>1.0000e-005</b> | <b>1.8000e-004</b> | <b>0.0000</b> | <b>0.6128</b> | <b>0.6128</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.6133</b> |

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**3.5 Phase I Building 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     | 0.0350        | 0.3166        | 0.2780        | 4.4000e-004        |               | 0.0184        | 0.0184        |                | 0.0173        | 0.0173        | 0.0000        | 38.2157        | 38.2157        | 9.3200e-003        | 0.0000        | 38.4487        |
| <b>Total</b> | <b>0.0350</b> | <b>0.3166</b> | <b>0.2780</b> | <b>4.4000e-004</b> |               | <b>0.0184</b> | <b>0.0184</b> |                | <b>0.0173</b> | <b>0.0173</b> | <b>0.0000</b> | <b>38.2157</b> | <b>38.2157</b> | <b>9.3200e-003</b> | <b>0.0000</b> | <b>38.4487</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       | 1.2000e-003        | 0.0358        | 9.6800e-003   | 8.0000e-005        | 2.0800e-003   | 1.7000e-004        | 2.2400e-003   | 6.0000e-004        | 1.6000e-004        | 7.6000e-004        | 0.0000        | 8.1981         | 8.1981         | 5.2000e-004        | 0.0000        | 8.2111         |
| Worker       | 3.8800e-003        | 3.1300e-003   | 0.0346        | 1.0000e-004        | 9.2200e-003   | 8.0000e-005        | 9.3000e-003   | 2.4500e-003        | 7.0000e-005        | 2.5200e-003        | 0.0000        | 8.5947         | 8.5947         | 2.7000e-004        | 0.0000        | 8.6014         |
| <b>Total</b> | <b>5.0800e-003</b> | <b>0.0389</b> | <b>0.0443</b> | <b>1.8000e-004</b> | <b>0.0113</b> | <b>2.5000e-004</b> | <b>0.0115</b> | <b>3.0500e-003</b> | <b>2.3000e-004</b> | <b>3.2800e-003</b> | <b>0.0000</b> | <b>16.7927</b> | <b>16.7927</b> | <b>7.9000e-004</b> | <b>0.0000</b> | <b>16.8125</b> |

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**3.5 Phase I Building 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     | 0.0350        | 0.3166        | 0.2780        | 4.4000e-004        |               | 0.0184        | 0.0184        |                | 0.0173        | 0.0173        | 0.0000        | 38.2156        | 38.2156        | 9.3200e-003        | 0.0000        | 38.4487        |
| <b>Total</b> | <b>0.0350</b> | <b>0.3166</b> | <b>0.2780</b> | <b>4.4000e-004</b> |               | <b>0.0184</b> | <b>0.0184</b> |                | <b>0.0173</b> | <b>0.0173</b> | <b>0.0000</b> | <b>38.2156</b> | <b>38.2156</b> | <b>9.3200e-003</b> | <b>0.0000</b> | <b>38.4487</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       | 1.2000e-003        | 0.0358        | 9.6800e-003   | 8.0000e-005        | 2.0800e-003   | 1.7000e-004        | 2.2400e-003   | 6.0000e-004        | 1.6000e-004        | 7.6000e-004        | 0.0000        | 8.1981         | 8.1981         | 5.2000e-004        | 0.0000        | 8.2111         |
| Worker       | 3.8800e-003        | 3.1300e-003   | 0.0346        | 1.0000e-004        | 9.2200e-003   | 8.0000e-005        | 9.3000e-003   | 2.4500e-003        | 7.0000e-005        | 2.5200e-003        | 0.0000        | 8.5947         | 8.5947         | 2.7000e-004        | 0.0000        | 8.6014         |
| <b>Total</b> | <b>5.0800e-003</b> | <b>0.0389</b> | <b>0.0443</b> | <b>1.8000e-004</b> | <b>0.0113</b> | <b>2.5000e-004</b> | <b>0.0115</b> | <b>3.0500e-003</b> | <b>2.3000e-004</b> | <b>3.2800e-003</b> | <b>0.0000</b> | <b>16.7927</b> | <b>16.7927</b> | <b>7.9000e-004</b> | <b>0.0000</b> | <b>16.8125</b> |

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**3.5 Phase I Building Construction - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O           | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|---------------|-----------------|
| Category     | tons/yr       |               |               |                    |               |               |               |                |               |               | MT/yr         |                 |                 |               |               |                 |
| Off-Road     | 0.1872        | 1.7171        | 1.6327        | 2.6500e-003        |               | 0.0944        | 0.0944        |                | 0.0888        | 0.0888        | 0.0000        | 228.1627        | 228.1627        | 0.0551        | 0.0000        | 229.5389        |
| <b>Total</b> | <b>0.1872</b> | <b>1.7171</b> | <b>1.6327</b> | <b>2.6500e-003</b> |               | <b>0.0944</b> | <b>0.0944</b> |                | <b>0.0888</b> | <b>0.0888</b> | <b>0.0000</b> | <b>228.1627</b> | <b>228.1627</b> | <b>0.0551</b> | <b>0.0000</b> | <b>229.5389</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       | 6.1200e-003   | 0.1944        | 0.0527        | 5.0000e-004        | 0.0124        | 4.0000e-004        | 0.0128        | 3.5800e-003    | 3.8000e-004        | 3.9600e-003   | 0.0000        | 48.5598        | 48.5598        | 2.9800e-003        | 0.0000        | 48.6343        |
| Worker       | 0.0216        | 0.0168        | 0.1900        | 5.5000e-004        | 0.0551        | 4.5000e-004        | 0.0555        | 0.0146         | 4.2000e-004        | 0.0150        | 0.0000        | 49.6783        | 49.6783        | 1.4600e-003        | 0.0000        | 49.7148        |
| <b>Total</b> | <b>0.0277</b> | <b>0.2113</b> | <b>0.2427</b> | <b>1.0500e-003</b> | <b>0.0675</b> | <b>8.5000e-004</b> | <b>0.0683</b> | <b>0.0182</b>  | <b>8.0000e-004</b> | <b>0.0190</b> | <b>0.0000</b> | <b>98.2381</b> | <b>98.2381</b> | <b>4.4400e-003</b> | <b>0.0000</b> | <b>98.3491</b> |

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**3.5 Phase I Building 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     | 0.1872        | 1.7171        | 1.6327        | 2.6500e-003        |               | 0.0944        | 0.0944        |                | 0.0888        | 0.0888        | 0.0000        | 228.1625        | 228.1625        | 0.0551        | 0.0000        | 229.5386        |
| <b>Total</b> | <b>0.1872</b> | <b>1.7171</b> | <b>1.6327</b> | <b>2.6500e-003</b> |               | <b>0.0944</b> | <b>0.0944</b> |                | <b>0.0888</b> | <b>0.0888</b> | <b>0.0000</b> | <b>228.1625</b> | <b>228.1625</b> | <b>0.0551</b> | <b>0.0000</b> | <b>229.5386</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       | 6.1200e-003   | 0.1944        | 0.0527        | 5.0000e-004        | 0.0124        | 4.0000e-004        | 0.0128        | 3.5800e-003    | 3.8000e-004        | 3.9600e-003   | 0.0000        | 48.5598        | 48.5598        | 2.9800e-003        | 0.0000        | 48.6343        |
| Worker       | 0.0216        | 0.0168        | 0.1900        | 5.5000e-004        | 0.0551        | 4.5000e-004        | 0.0555        | 0.0146         | 4.2000e-004        | 0.0150        | 0.0000        | 49.6783        | 49.6783        | 1.4600e-003        | 0.0000        | 49.7148        |
| <b>Total</b> | <b>0.0277</b> | <b>0.2113</b> | <b>0.2427</b> | <b>1.0500e-003</b> | <b>0.0675</b> | <b>8.5000e-004</b> | <b>0.0683</b> | <b>0.0182</b>  | <b>8.0000e-004</b> | <b>0.0190</b> | <b>0.0000</b> | <b>98.2381</b> | <b>98.2381</b> | <b>4.4400e-003</b> | <b>0.0000</b> | <b>98.3491</b> |

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**3.6 Phase I Paving - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 9.8500e-003   | 0.0976        | 0.1103        | 1.7000e-004        |               | 5.2100e-003        | 5.2100e-003        |                | 4.8100e-003        | 4.8100e-003        | 0.0000        | 14.7336        | 14.7336        | 4.6300e-003        | 0.0000        | 14.8493        |
| Paving       | 2.3600e-003   |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0122</b> | <b>0.0976</b> | <b>0.1103</b> | <b>1.7000e-004</b> |               | <b>5.2100e-003</b> | <b>5.2100e-003</b> |                | <b>4.8100e-003</b> | <b>4.8100e-003</b> | <b>0.0000</b> | <b>14.7336</b> | <b>14.7336</b> | <b>4.6300e-003</b> | <b>0.0000</b> | <b>14.8493</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       | 7.7000e-004        | 6.0000e-004        | 6.8100e-003        | 2.0000e-005        | 1.9700e-003        | 2.0000e-005        | 1.9900e-003        | 5.2000e-004        | 1.0000e-005        | 5.4000e-004        | 0.0000        | 1.7801        | 1.7801        | 5.0000e-005        | 0.0000        | 1.7814        |
| <b>Total</b> | <b>7.7000e-004</b> | <b>6.0000e-004</b> | <b>6.8100e-003</b> | <b>2.0000e-005</b> | <b>1.9700e-003</b> | <b>2.0000e-005</b> | <b>1.9900e-003</b> | <b>5.2000e-004</b> | <b>1.0000e-005</b> | <b>5.4000e-004</b> | <b>0.0000</b> | <b>1.7801</b> | <b>1.7801</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>1.7814</b> |

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**3.6 Phase I Paving - 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     | 9.8500e-003   | 0.0976        | 0.1103        | 1.7000e-004        |               | 5.2100e-003        | 5.2100e-003        |                | 4.8100e-003        | 4.8100e-003        | 0.0000        | 14.7335        | 14.7335        | 4.6300e-003        | 0.0000        | 14.8493        |
| Paving       | 2.3600e-003   |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0122</b> | <b>0.0976</b> | <b>0.1103</b> | <b>1.7000e-004</b> |               | <b>5.2100e-003</b> | <b>5.2100e-003</b> |                | <b>4.8100e-003</b> | <b>4.8100e-003</b> | <b>0.0000</b> | <b>14.7335</b> | <b>14.7335</b> | <b>4.6300e-003</b> | <b>0.0000</b> | <b>14.8493</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       | 7.7000e-004        | 6.0000e-004        | 6.8100e-003        | 2.0000e-005        | 1.9700e-003        | 2.0000e-005        | 1.9900e-003        | 5.2000e-004        | 1.0000e-005        | 5.4000e-004        | 0.0000        | 1.7801        | 1.7801        | 5.0000e-005        | 0.0000        | 1.7814        |
| <b>Total</b> | <b>7.7000e-004</b> | <b>6.0000e-004</b> | <b>6.8100e-003</b> | <b>2.0000e-005</b> | <b>1.9700e-003</b> | <b>2.0000e-005</b> | <b>1.9900e-003</b> | <b>5.2000e-004</b> | <b>1.0000e-005</b> | <b>5.4000e-004</b> | <b>0.0000</b> | <b>1.7801</b> | <b>1.7801</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>1.7814</b> |

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**3.7 Phase I Architectural Coating - 2021****Unmitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Archit. Coating | 0.2280        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.9700e-003   | 0.0137        | 0.0164        | 3.0000e-005        |               | 8.5000e-004        | 8.5000e-004        |                | 8.5000e-004        | 8.5000e-004        | 0.0000        | 2.2979        | 2.2979        | 1.6000e-004        | 0.0000        | 2.3019        |
| <b>Total</b>    | <b>0.2300</b> | <b>0.0137</b> | <b>0.0164</b> | <b>3.0000e-005</b> |               | <b>8.5000e-004</b> | <b>8.5000e-004</b> |                | <b>8.5000e-004</b> | <b>8.5000e-004</b> | <b>0.0000</b> | <b>2.2979</b> | <b>2.2979</b> | <b>1.6000e-004</b> | <b>0.0000</b> | <b>2.3019</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       | 3.9000e-004        | 3.0000e-004        | 3.4000e-003        | 1.0000e-005        | 9.9000e-004        | 1.0000e-005        | 9.9000e-004        | 2.6000e-004        | 1.0000e-005        | 2.7000e-004        | 0.0000        | 0.8900        | 0.8900        | 3.0000e-005        | 0.0000        | 0.8907        |
| <b>Total</b> | <b>3.9000e-004</b> | <b>3.0000e-004</b> | <b>3.4000e-003</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>2.6000e-004</b> | <b>1.0000e-005</b> | <b>2.7000e-004</b> | <b>0.0000</b> | <b>0.8900</b> | <b>0.8900</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.8907</b> |

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**3.7 Phase I 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 | 0.2280        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.9700e-003   | 0.0137        | 0.0164        | 3.0000e-005        |               | 8.5000e-004        | 8.5000e-004        |                | 8.5000e-004        | 8.5000e-004        | 0.0000        | 2.2979        | 2.2979        | 1.6000e-004        | 0.0000        | 2.3019        |
| <b>Total</b>    | <b>0.2300</b> | <b>0.0137</b> | <b>0.0164</b> | <b>3.0000e-005</b> |               | <b>8.5000e-004</b> | <b>8.5000e-004</b> |                | <b>8.5000e-004</b> | <b>8.5000e-004</b> | <b>0.0000</b> | <b>2.2979</b> | <b>2.2979</b> | <b>1.6000e-004</b> | <b>0.0000</b> | <b>2.3019</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       | 3.9000e-004        | 3.0000e-004        | 3.4000e-003        | 1.0000e-005        | 9.9000e-004        | 1.0000e-005        | 9.9000e-004        | 2.6000e-004        | 1.0000e-005        | 2.7000e-004        | 0.0000        | 0.8900        | 0.8900        | 3.0000e-005        | 0.0000        | 0.8907        |
| <b>Total</b> | <b>3.9000e-004</b> | <b>3.0000e-004</b> | <b>3.4000e-003</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>2.6000e-004</b> | <b>1.0000e-005</b> | <b>2.7000e-004</b> | <b>0.0000</b> | <b>0.8900</b> | <b>0.8900</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.8907</b> |

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**3.8 Phase II Demolition - 2021****Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10      | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|---------------|---------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr       |               |               |                    |                    |               |               |                    |               |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 8.8400e-003        | 0.0000        | 8.8400e-003   | 1.3400e-003        | 0.0000        | 1.3400e-003   | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0317        | 0.3144        | 0.2157        | 3.9000e-004        |                    | 0.0155        | 0.0155        |                    | 0.0144        | 0.0144        | 0.0000        | 34.0008        | 34.0008        | 9.5700e-003        | 0.0000        | 34.2400        |
| <b>Total</b>  | <b>0.0317</b> | <b>0.3144</b> | <b>0.2157</b> | <b>3.9000e-004</b> | <b>8.8400e-003</b> | <b>0.0155</b> | <b>0.0244</b> | <b>1.3400e-003</b> | <b>0.0144</b> | <b>0.0158</b> | <b>0.0000</b> | <b>34.0008</b> | <b>34.0008</b> | <b>9.5700e-003</b> | <b>0.0000</b> | <b>34.2400</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       | 6.5000e-004        | 5.0000e-004        | 5.6700e-003        | 2.0000e-005        | 1.6400e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.4834        | 1.4834        | 4.0000e-005        | 0.0000        | 1.4845        |
| <b>Total</b> | <b>6.5000e-004</b> | <b>5.0000e-004</b> | <b>5.6700e-003</b> | <b>2.0000e-005</b> | <b>1.6400e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.4834</b> | <b>1.4834</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.4845</b> |

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**3.8 Phase II Demolition - 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         |                |                |                    |               |                |
| Fugitive Dust |               |               |               |                    | 8.8400e-003        | 0.0000        | 8.8400e-003   | 1.3400e-003        | 0.0000        | 1.3400e-003   | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 0.0317        | 0.3144        | 0.2157        | 3.9000e-004        |                    | 0.0155        | 0.0155        |                    | 0.0144        | 0.0144        | 0.0000        | 34.0007        | 34.0007        | 9.5700e-003        | 0.0000        | 34.2400        |
| <b>Total</b>  | <b>0.0317</b> | <b>0.3144</b> | <b>0.2157</b> | <b>3.9000e-004</b> | <b>8.8400e-003</b> | <b>0.0155</b> | <b>0.0244</b> | <b>1.3400e-003</b> | <b>0.0144</b> | <b>0.0158</b> | <b>0.0000</b> | <b>34.0007</b> | <b>34.0007</b> | <b>9.5700e-003</b> | <b>0.0000</b> | <b>34.2400</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       | 6.5000e-004        | 5.0000e-004        | 5.6700e-003        | 2.0000e-005        | 1.6400e-003        | 1.0000e-005        | 1.6600e-003        | 4.4000e-004        | 1.0000e-005        | 4.5000e-004        | 0.0000        | 1.4834        | 1.4834        | 4.0000e-005        | 0.0000        | 1.4845        |
| <b>Total</b> | <b>6.5000e-004</b> | <b>5.0000e-004</b> | <b>5.6700e-003</b> | <b>2.0000e-005</b> | <b>1.6400e-003</b> | <b>1.0000e-005</b> | <b>1.6600e-003</b> | <b>4.4000e-004</b> | <b>1.0000e-005</b> | <b>4.5000e-004</b> | <b>0.0000</b> | <b>1.4834</b> | <b>1.4834</b> | <b>4.0000e-005</b> | <b>0.0000</b> | <b>1.4845</b> |

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**3.9 Phase II Paving - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 9.8500e-003   | 0.0976        | 0.1103        | 1.7000e-004        |               | 5.2100e-003        | 5.2100e-003        |                | 4.8100e-003        | 4.8100e-003        | 0.0000        | 14.7336        | 14.7336        | 4.6300e-003        | 0.0000        | 14.8493        |
| Paving       | 2.3600e-003   |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0122</b> | <b>0.0976</b> | <b>0.1103</b> | <b>1.7000e-004</b> |               | <b>5.2100e-003</b> | <b>5.2100e-003</b> |                | <b>4.8100e-003</b> | <b>4.8100e-003</b> | <b>0.0000</b> | <b>14.7336</b> | <b>14.7336</b> | <b>4.6300e-003</b> | <b>0.0000</b> | <b>14.8493</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       | 7.7000e-004        | 6.0000e-004        | 6.8100e-003        | 2.0000e-005        | 1.9700e-003        | 2.0000e-005        | 1.9900e-003        | 5.2000e-004        | 1.0000e-005        | 5.4000e-004        | 0.0000        | 1.7801        | 1.7801        | 5.0000e-005        | 0.0000        | 1.7814        |
| <b>Total</b> | <b>7.7000e-004</b> | <b>6.0000e-004</b> | <b>6.8100e-003</b> | <b>2.0000e-005</b> | <b>1.9700e-003</b> | <b>2.0000e-005</b> | <b>1.9900e-003</b> | <b>5.2000e-004</b> | <b>1.0000e-005</b> | <b>5.4000e-004</b> | <b>0.0000</b> | <b>1.7801</b> | <b>1.7801</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>1.7814</b> |

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**3.9 Phase II Paving - 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     | 9.8500e-003   | 0.0976        | 0.1103        | 1.7000e-004        |               | 5.2100e-003        | 5.2100e-003        |                | 4.8100e-003        | 4.8100e-003        | 0.0000        | 14.7335        | 14.7335        | 4.6300e-003        | 0.0000        | 14.8493        |
| Paving       | 2.3600e-003   |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| <b>Total</b> | <b>0.0122</b> | <b>0.0976</b> | <b>0.1103</b> | <b>1.7000e-004</b> |               | <b>5.2100e-003</b> | <b>5.2100e-003</b> |                | <b>4.8100e-003</b> | <b>4.8100e-003</b> | <b>0.0000</b> | <b>14.7335</b> | <b>14.7335</b> | <b>4.6300e-003</b> | <b>0.0000</b> | <b>14.8493</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       | 7.7000e-004        | 6.0000e-004        | 6.8100e-003        | 2.0000e-005        | 1.9700e-003        | 2.0000e-005        | 1.9900e-003        | 5.2000e-004        | 1.0000e-005        | 5.4000e-004        | 0.0000        | 1.7801        | 1.7801        | 5.0000e-005        | 0.0000        | 1.7814        |
| <b>Total</b> | <b>7.7000e-004</b> | <b>6.0000e-004</b> | <b>6.8100e-003</b> | <b>2.0000e-005</b> | <b>1.9700e-003</b> | <b>2.0000e-005</b> | <b>1.9900e-003</b> | <b>5.2000e-004</b> | <b>1.0000e-005</b> | <b>5.4000e-004</b> | <b>0.0000</b> | <b>1.7801</b> | <b>1.7801</b> | <b>5.0000e-005</b> | <b>0.0000</b> | <b>1.7814</b> |

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**3.10 Phase II Site Preparation - 2021****Unmitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category      | tons/yr            |               |               |                    |               |                    |               |                |                    |               | MT/yr         |               |               |                    |               |               |
| Fugitive Dust |                    |               |               |                    | 0.0452        | 0.0000             | 0.0452        | 0.0248         | 0.0000             | 0.0248        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 9.7200e-003        | 0.1012        | 0.0529        | 1.0000e-004        |               | 5.1100e-003        | 5.1100e-003   |                | 4.7000e-003        | 4.7000e-003   | 0.0000        | 8.3589        | 8.3589        | 2.7000e-003        | 0.0000        | 8.4265        |
| <b>Total</b>  | <b>9.7200e-003</b> | <b>0.1012</b> | <b>0.0529</b> | <b>1.0000e-004</b> | <b>0.0452</b> | <b>5.1100e-003</b> | <b>0.0503</b> | <b>0.0248</b>  | <b>4.7000e-003</b> | <b>0.0295</b> | <b>0.0000</b> | <b>8.3589</b> | <b>8.3589</b> | <b>2.7000e-003</b> | <b>0.0000</b> | <b>8.4265</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       | 1.9000e-004        | 1.5000e-004        | 1.7000e-003        | 0.0000        | 4.9000e-004        | 0.0000        | 5.0000e-004        | 1.3000e-004        | 0.0000        | 1.3000e-004        | 0.0000        | 0.4450        | 0.4450        | 1.0000e-005        | 0.0000        | 0.4453        |
| <b>Total</b> | <b>1.9000e-004</b> | <b>1.5000e-004</b> | <b>1.7000e-003</b> | <b>0.0000</b> | <b>4.9000e-004</b> | <b>0.0000</b> | <b>5.0000e-004</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>0.4450</b> | <b>0.4450</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.4453</b> |

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**3.10 Phase II Site Preparation - 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         |               |               |                    |               |               |
| Fugitive Dust |                    |               |               |                    | 0.0452        | 0.0000             | 0.0452        | 0.0248         | 0.0000             | 0.0248        | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road      | 9.7200e-003        | 0.1012        | 0.0529        | 1.0000e-004        |               | 5.1100e-003        | 5.1100e-003   |                | 4.7000e-003        | 4.7000e-003   | 0.0000        | 8.3589        | 8.3589        | 2.7000e-003        | 0.0000        | 8.4265        |
| <b>Total</b>  | <b>9.7200e-003</b> | <b>0.1012</b> | <b>0.0529</b> | <b>1.0000e-004</b> | <b>0.0452</b> | <b>5.1100e-003</b> | <b>0.0503</b> | <b>0.0248</b>  | <b>4.7000e-003</b> | <b>0.0295</b> | <b>0.0000</b> | <b>8.3589</b> | <b>8.3589</b> | <b>2.7000e-003</b> | <b>0.0000</b> | <b>8.4265</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       | 1.9000e-004        | 1.5000e-004        | 1.7000e-003        | 0.0000        | 4.9000e-004        | 0.0000        | 5.0000e-004        | 1.3000e-004        | 0.0000        | 1.3000e-004        | 0.0000        | 0.4450        | 0.4450        | 1.0000e-005        | 0.0000        | 0.4453        |
| <b>Total</b> | <b>1.9000e-004</b> | <b>1.5000e-004</b> | <b>1.7000e-003</b> | <b>0.0000</b> | <b>4.9000e-004</b> | <b>0.0000</b> | <b>5.0000e-004</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>1.3000e-004</b> | <b>0.0000</b> | <b>0.4450</b> | <b>0.4450</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>0.4453</b> |

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**3.11 Phase II Architectural Coating - 2021****Unmitigated Construction On-Site**

|                 | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|-----------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category        | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |               |               |                    |               |               |
| Archit. Coating | 0.2280        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.9700e-003   | 0.0137        | 0.0164        | 3.0000e-005        |               | 8.5000e-004        | 8.5000e-004        |                | 8.5000e-004        | 8.5000e-004        | 0.0000        | 2.2979        | 2.2979        | 1.6000e-004        | 0.0000        | 2.3019        |
| <b>Total</b>    | <b>0.2300</b> | <b>0.0137</b> | <b>0.0164</b> | <b>3.0000e-005</b> |               | <b>8.5000e-004</b> | <b>8.5000e-004</b> |                | <b>8.5000e-004</b> | <b>8.5000e-004</b> | <b>0.0000</b> | <b>2.2979</b> | <b>2.2979</b> | <b>1.6000e-004</b> | <b>0.0000</b> | <b>2.3019</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       | 3.9000e-004        | 3.0000e-004        | 3.4000e-003        | 1.0000e-005        | 9.9000e-004        | 1.0000e-005        | 9.9000e-004        | 2.6000e-004        | 1.0000e-005        | 2.7000e-004        | 0.0000        | 0.8900        | 0.8900        | 3.0000e-005        | 0.0000        | 0.8907        |
| <b>Total</b> | <b>3.9000e-004</b> | <b>3.0000e-004</b> | <b>3.4000e-003</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>2.6000e-004</b> | <b>1.0000e-005</b> | <b>2.7000e-004</b> | <b>0.0000</b> | <b>0.8900</b> | <b>0.8900</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.8907</b> |

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**3.11 Phase II 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 | 0.2280        |               |               |                    |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Off-Road        | 1.9700e-003   | 0.0137        | 0.0164        | 3.0000e-005        |               | 8.5000e-004        | 8.5000e-004        |                | 8.5000e-004        | 8.5000e-004        | 0.0000        | 2.2979        | 2.2979        | 1.6000e-004        | 0.0000        | 2.3019        |
| <b>Total</b>    | <b>0.2300</b> | <b>0.0137</b> | <b>0.0164</b> | <b>3.0000e-005</b> |               | <b>8.5000e-004</b> | <b>8.5000e-004</b> |                | <b>8.5000e-004</b> | <b>8.5000e-004</b> | <b>0.0000</b> | <b>2.2979</b> | <b>2.2979</b> | <b>1.6000e-004</b> | <b>0.0000</b> | <b>2.3019</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       | 3.9000e-004        | 3.0000e-004        | 3.4000e-003        | 1.0000e-005        | 9.9000e-004        | 1.0000e-005        | 9.9000e-004        | 2.6000e-004        | 1.0000e-005        | 2.7000e-004        | 0.0000        | 0.8900        | 0.8900        | 3.0000e-005        | 0.0000        | 0.8907        |
| <b>Total</b> | <b>3.9000e-004</b> | <b>3.0000e-004</b> | <b>3.4000e-003</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>1.0000e-005</b> | <b>9.9000e-004</b> | <b>2.6000e-004</b> | <b>1.0000e-005</b> | <b>2.7000e-004</b> | <b>0.0000</b> | <b>0.8900</b> | <b>0.8900</b> | <b>3.0000e-005</b> | <b>0.0000</b> | <b>0.8907</b> |

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**3.12 Phase II Grading - 2021****Unmitigated Construction On-Site**

|               | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|---------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category      | tons/yr            |               |               |                    |               |                    |               |                |                    |               | MT/yr         |                |                |                    |               |                |
| Fugitive Dust |                    |               |               |                    | 0.0262        | 0.0000             | 0.0262        | 0.0135         | 0.0000             | 0.0135        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 9.1600e-003        | 0.0990        | 0.0634        | 1.2000e-004        |               | 4.6400e-003        | 4.6400e-003   |                | 4.2700e-003        | 4.2700e-003   | 0.0000        | 10.4215        | 10.4215        | 3.3700e-003        | 0.0000        | 10.5057        |
| <b>Total</b>  | <b>9.1600e-003</b> | <b>0.0990</b> | <b>0.0634</b> | <b>1.2000e-004</b> | <b>0.0262</b> | <b>4.6400e-003</b> | <b>0.0309</b> | <b>0.0135</b>  | <b>4.2700e-003</b> | <b>0.0177</b> | <b>0.0000</b> | <b>10.4215</b> | <b>10.4215</b> | <b>3.3700e-003</b> | <b>0.0000</b> | <b>10.5057</b> |

**Unmitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |               |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.6000e-004        | 2.0000e-004        | 2.2700e-003        | 1.0000e-005        | 6.6000e-004        | 1.0000e-005        | 6.6000e-004        | 1.7000e-004        | 0.0000        | 1.8000e-004        | 0.0000        | 0.5934        | 0.5934        | 2.0000e-005        | 0.0000        | 0.5938        |
| <b>Total</b> | <b>2.6000e-004</b> | <b>2.0000e-004</b> | <b>2.2700e-003</b> | <b>1.0000e-005</b> | <b>6.6000e-004</b> | <b>1.0000e-005</b> | <b>6.6000e-004</b> | <b>1.7000e-004</b> | <b>0.0000</b> | <b>1.8000e-004</b> | <b>0.0000</b> | <b>0.5934</b> | <b>0.5934</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.5938</b> |

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**3.12 Phase II Grading - 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         |                |                |                    |               |                |
| Fugitive Dust |                    |               |               |                    | 0.0262        | 0.0000             | 0.0262        | 0.0135         | 0.0000             | 0.0135        | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000        | 0.0000         |
| Off-Road      | 9.1600e-003        | 0.0990        | 0.0634        | 1.2000e-004        |               | 4.6400e-003        | 4.6400e-003   |                | 4.2700e-003        | 4.2700e-003   | 0.0000        | 10.4215        | 10.4215        | 3.3700e-003        | 0.0000        | 10.5057        |
| <b>Total</b>  | <b>9.1600e-003</b> | <b>0.0990</b> | <b>0.0634</b> | <b>1.2000e-004</b> | <b>0.0262</b> | <b>4.6400e-003</b> | <b>0.0309</b> | <b>0.0135</b>  | <b>4.2700e-003</b> | <b>0.0177</b> | <b>0.0000</b> | <b>10.4215</b> | <b>10.4215</b> | <b>3.3700e-003</b> | <b>0.0000</b> | <b>10.5057</b> |

**Mitigated Construction Off-Site**

|              | ROG                | NOx                | CO                 | SO2                | Fugitive PM10      | Exhaust PM10       | PM10 Total         | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total        | Bio- CO2      | NBio- CO2     | Total CO2     | CH4                | N2O           | CO2e          |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------|--------------------|---------------|---------------|---------------|--------------------|---------------|---------------|
| Category     | tons/yr            |                    |                    |                    |                    |                    |                    |                    |               |                    | MT/yr         |               |               |                    |               |               |
| Hauling      | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Vendor       | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000        |
| Worker       | 2.6000e-004        | 2.0000e-004        | 2.2700e-003        | 1.0000e-005        | 6.6000e-004        | 1.0000e-005        | 6.6000e-004        | 1.7000e-004        | 0.0000        | 1.8000e-004        | 0.0000        | 0.5934        | 0.5934        | 2.0000e-005        | 0.0000        | 0.5938        |
| <b>Total</b> | <b>2.6000e-004</b> | <b>2.0000e-004</b> | <b>2.2700e-003</b> | <b>1.0000e-005</b> | <b>6.6000e-004</b> | <b>1.0000e-005</b> | <b>6.6000e-004</b> | <b>1.7000e-004</b> | <b>0.0000</b> | <b>1.8000e-004</b> | <b>0.0000</b> | <b>0.5934</b> | <b>0.5934</b> | <b>2.0000e-005</b> | <b>0.0000</b> | <b>0.5938</b> |

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**3.13 Phase II Building Construction - 2021****Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O           | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|---------------|----------------|
| Category     | tons/yr       |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |               |                |
| Off-Road     | 0.0105        | 0.0959        | 0.0912        | 1.5000e-004        |               | 5.2700e-003        | 5.2700e-003        |                | 4.9600e-003        | 4.9600e-003        | 0.0000        | 12.7401        | 12.7401        | 3.0700e-003        | 0.0000        | 12.8169        |
| <b>Total</b> | <b>0.0105</b> | <b>0.0959</b> | <b>0.0912</b> | <b>1.5000e-004</b> |               | <b>5.2700e-003</b> | <b>5.2700e-003</b> |                | <b>4.9600e-003</b> | <b>4.9600e-003</b> | <b>0.0000</b> | <b>12.7401</b> | <b>12.7401</b> | <b>3.0700e-003</b> | <b>0.0000</b> | <b>12.8169</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       | 3.4000e-004        | 0.0109        | 2.9400e-003   | 3.0000e-005        | 6.9000e-004        | 2.0000e-005        | 7.2000e-004        | 2.0000e-004        | 2.0000e-005        | 2.2000e-004        | 0.0000        | 2.7115        | 2.7115        | 1.7000e-004        | 0.0000        | 2.7156        |
| Worker       | 1.2100e-003        | 9.4000e-004   | 0.0106        | 3.0000e-005        | 3.0700e-003        | 3.0000e-005        | 3.1000e-003        | 8.2000e-004        | 2.0000e-005        | 8.4000e-004        | 0.0000        | 2.7739        | 2.7739        | 8.0000e-005        | 0.0000        | 2.7760        |
| <b>Total</b> | <b>1.5500e-003</b> | <b>0.0118</b> | <b>0.0136</b> | <b>6.0000e-005</b> | <b>3.7600e-003</b> | <b>5.0000e-005</b> | <b>3.8200e-003</b> | <b>1.0200e-003</b> | <b>4.0000e-005</b> | <b>1.0600e-003</b> | <b>0.0000</b> | <b>5.4854</b> | <b>5.4854</b> | <b>2.5000e-004</b> | <b>0.0000</b> | <b>5.4916</b> |

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**3.13 Phase II Building 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     | 0.0105        | 0.0959        | 0.0912        | 1.5000e-004        |               | 5.2700e-003        | 5.2700e-003        |                | 4.9600e-003        | 4.9600e-003        | 0.0000        | 12.7400        | 12.7400        | 3.0700e-003        | 0.0000        | 12.8169        |
| <b>Total</b> | <b>0.0105</b> | <b>0.0959</b> | <b>0.0912</b> | <b>1.5000e-004</b> |               | <b>5.2700e-003</b> | <b>5.2700e-003</b> |                | <b>4.9600e-003</b> | <b>4.9600e-003</b> | <b>0.0000</b> | <b>12.7400</b> | <b>12.7400</b> | <b>3.0700e-003</b> | <b>0.0000</b> | <b>12.8169</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       | 3.4000e-004        | 0.0109        | 2.9400e-003   | 3.0000e-005        | 6.9000e-004        | 2.0000e-005        | 7.2000e-004        | 2.0000e-004        | 2.0000e-005        | 2.2000e-004        | 0.0000        | 2.7115        | 2.7115        | 1.7000e-004        | 0.0000        | 2.7156        |
| Worker       | 1.2100e-003        | 9.4000e-004   | 0.0106        | 3.0000e-005        | 3.0700e-003        | 3.0000e-005        | 3.1000e-003        | 8.2000e-004        | 2.0000e-005        | 8.4000e-004        | 0.0000        | 2.7739        | 2.7739        | 8.0000e-005        | 0.0000        | 2.7760        |
| <b>Total</b> | <b>1.5500e-003</b> | <b>0.0118</b> | <b>0.0136</b> | <b>6.0000e-005</b> | <b>3.7600e-003</b> | <b>5.0000e-005</b> | <b>3.8200e-003</b> | <b>1.0200e-003</b> | <b>4.0000e-005</b> | <b>1.0600e-003</b> | <b>0.0000</b> | <b>5.4854</b> | <b>5.4854</b> | <b>2.5000e-004</b> | <b>0.0000</b> | <b>5.4916</b> |

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**3.13 Phase II Building 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     | 0.1868        | 1.7099        | 1.7918        | 2.9500e-003        |               | 0.0886        | 0.0886        |                | 0.0834        | 0.0834        | 0.0000        | 253.7391        | 253.7391        | 0.0608        | 0.0000        | 255.2589        |
| <b>Total</b> | <b>0.1868</b> | <b>1.7099</b> | <b>1.7918</b> | <b>2.9500e-003</b> |               | <b>0.0886</b> | <b>0.0886</b> |                | <b>0.0834</b> | <b>0.0834</b> | <b>0.0000</b> | <b>253.7391</b> | <b>253.7391</b> | <b>0.0608</b> | <b>0.0000</b> | <b>255.2589</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       | 6.3800e-003   | 0.2053        | 0.0554        | 5.5000e-004        | 0.0138        | 3.9000e-004        | 0.0142        | 3.9800e-003    | 3.7000e-004        | 4.3500e-003   | 0.0000        | 53.5086         | 53.5086         | 3.2000e-003        | 0.0000        | 53.5885         |
| Worker       | 0.0225        | 0.0169        | 0.1946        | 5.9000e-004        | 0.0612        | 4.9000e-004        | 0.0617        | 0.0163         | 4.5000e-004        | 0.0167        | 0.0000        | 53.2848         | 53.2848         | 1.4700e-003        | 0.0000        | 53.3215         |
| <b>Total</b> | <b>0.0289</b> | <b>0.2222</b> | <b>0.2500</b> | <b>1.1400e-003</b> | <b>0.0750</b> | <b>8.8000e-004</b> | <b>0.0759</b> | <b>0.0202</b>  | <b>8.2000e-004</b> | <b>0.0211</b> | <b>0.0000</b> | <b>106.7934</b> | <b>106.7934</b> | <b>4.6700e-003</b> | <b>0.0000</b> | <b>106.9100</b> |

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**3.13 Phase II Building 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     | 0.1868        | 1.7099        | 1.7918        | 2.9500e-003        |               | 0.0886        | 0.0886        |                | 0.0834        | 0.0834        | 0.0000        | 253.7388        | 253.7388        | 0.0608        | 0.0000        | 255.2586        |
| <b>Total</b> | <b>0.1868</b> | <b>1.7099</b> | <b>1.7918</b> | <b>2.9500e-003</b> |               | <b>0.0886</b> | <b>0.0886</b> |                | <b>0.0834</b> | <b>0.0834</b> | <b>0.0000</b> | <b>253.7388</b> | <b>253.7388</b> | <b>0.0608</b> | <b>0.0000</b> | <b>255.2586</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       | 6.3800e-003   | 0.2053        | 0.0554        | 5.5000e-004        | 0.0138        | 3.9000e-004        | 0.0142        | 3.9800e-003    | 3.7000e-004        | 4.3500e-003   | 0.0000        | 53.5086         | 53.5086         | 3.2000e-003        | 0.0000        | 53.5885         |
| Worker       | 0.0225        | 0.0169        | 0.1946        | 5.9000e-004        | 0.0612        | 4.9000e-004        | 0.0617        | 0.0163         | 4.5000e-004        | 0.0167        | 0.0000        | 53.2848         | 53.2848         | 1.4700e-003        | 0.0000        | 53.3215         |
| <b>Total</b> | <b>0.0289</b> | <b>0.2222</b> | <b>0.2500</b> | <b>1.1400e-003</b> | <b>0.0750</b> | <b>8.8000e-004</b> | <b>0.0759</b> | <b>0.0202</b>  | <b>8.2000e-004</b> | <b>0.0211</b> | <b>0.0000</b> | <b>106.7934</b> | <b>106.7934</b> | <b>4.6700e-003</b> | <b>0.0000</b> | <b>106.9100</b> |

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

|             | ROG     | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4    | N2O    | CO2e     |
|-------------|---------|--------|--------|-------------|---------------|--------------|------------|----------------|---------------|-------------|----------|-----------|-----------|--------|--------|----------|
| Category    | tons/yr |        |        |             |               |              |            |                |               |             | MT/yr    |           |           |        |        |          |
| Mitigated   | 0.1623  | 0.8371 | 2.2320 | 7.6800e-003 | 0.6170        | 6.5700e-003  | 0.6236     | 0.1654         | 6.1400e-003   | 0.1715      | 0.0000   | 709.0954  | 709.0954  | 0.0380 | 0.0000 | 710.0449 |
| Unmitigated | 0.1623  | 0.8371 | 2.2320 | 7.6800e-003 | 0.6170        | 6.5700e-003  | 0.6236     | 0.1654         | 6.1400e-003   | 0.1715      | 0.0000   | 709.0954  | 709.0954  | 0.0380 | 0.0000 | 710.0449 |

**4.2 Trip Summary Information**

| Land Use                | Average Daily Trip Rate |          |        | Unmitigated | Mitigated  |
|-------------------------|-------------------------|----------|--------|-------------|------------|
|                         | Weekday                 | Saturday | Sunday | Annual VMT  | Annual VMT |
| General Office Building | 138.98                  | 31.00    | 13.23  | 340,148     | 340,148    |
| High School             | 37.38                   | 12.67    | 5.19   | 124,932     | 124,932    |
| High School             | 239.63                  | 81.24    | 33.28  | 800,857     | 800,857    |
| Other Asphalt Surfaces  | 0.00                    | 0.00     | 0.00   |             |            |
| Parking Lot             | 0.00                    | 0.00     | 0.00   |             |            |
| Place of Worship        | 116.24                  | 132.32   | 467.40 | 359,813     | 359,813    |
| Total                   | 532.23                  | 257.23   | 519.10 | 1,625,750   | 1,625,750  |

**4.3 Trip Type Information**

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| 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 |
| General Office Building | 16.60      | 8.40       | 6.90        | 33.00      | 48.00      | 19.00       | 77             | 19       | 4       |
| High School             | 16.60      | 8.40       | 6.90        | 77.80      | 17.20      | 5.00        | 75             | 19       | 6       |
| High School             | 16.60      | 8.40       | 6.90        | 77.80      | 17.20      | 5.00        | 75             | 19       | 6       |
| Other Asphalt Surfaces  | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Parking Lot             | 16.60      | 8.40       | 6.90        | 0.00       | 0.00       | 0.00        | 0              | 0        | 0       |
| Place of Worship        | 16.60      | 8.40       | 6.90        | 0.00       | 95.00      | 5.00        | 64             | 25       | 11      |

**4.4 Fleet Mix**

| Land Use                | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| General Office Building | 0.547192 | 0.045177 | 0.202743 | 0.121510 | 0.016147 | 0.006143 | 0.019743 | 0.029945 | 0.002479 | 0.002270 | 0.005078 | 0.000682 | 0.000891 |
| High School             | 0.547192 | 0.045177 | 0.202743 | 0.121510 | 0.016147 | 0.006143 | 0.019743 | 0.029945 | 0.002479 | 0.002270 | 0.005078 | 0.000682 | 0.000891 |
| Other Asphalt Surfaces  | 0.547192 | 0.045177 | 0.202743 | 0.121510 | 0.016147 | 0.006143 | 0.019743 | 0.029945 | 0.002479 | 0.002270 | 0.005078 | 0.000682 | 0.000891 |
| Parking Lot             | 0.547192 | 0.045177 | 0.202743 | 0.121510 | 0.016147 | 0.006143 | 0.019743 | 0.029945 | 0.002479 | 0.002270 | 0.005078 | 0.000682 | 0.000891 |
| Place of Worship        | 0.547192 | 0.045177 | 0.202743 | 0.121510 | 0.016147 | 0.006143 | 0.019743 | 0.029945 | 0.002479 | 0.002270 | 0.005078 | 0.000682 | 0.000891 |

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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|                         | ROG         | NOx    | CO     | SO2         | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2 | Total CO2 | CH4         | N2O         | CO2e     |
|-------------------------|-------------|--------|--------|-------------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-----------|-----------|-------------|-------------|----------|
| Category                | tons/yr     |        |        |             |               |              |             |                |               |             | MT/yr    |           |           |             |             |          |
| Electricity Mitigated   |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 230.4022  | 230.4022  | 5.9900e-003 | 1.2400e-003 | 230.9213 |
| Electricity Unmitigated |             |        |        |             |               | 0.0000       | 0.0000      |                | 0.0000        | 0.0000      | 0.0000   | 230.4022  | 230.4022  | 5.9900e-003 | 1.2400e-003 | 230.9213 |
| NaturalGas Mitigated    | 3.1600e-003 | 0.0287 | 0.0241 | 1.7000e-004 |               | 2.1800e-003  | 2.1800e-003 |                | 2.1800e-003   | 2.1800e-003 | 0.0000   | 31.2558   | 31.2558   | 6.0000e-004 | 5.7000e-004 | 31.4415  |
| NaturalGas Unmitigated  | 3.1600e-003 | 0.0287 | 0.0241 | 1.7000e-004 |               | 2.1800e-003  | 2.1800e-003 |                | 2.1800e-003   | 2.1800e-003 | 0.0000   | 31.2558   | 31.2558   | 6.0000e-004 | 5.7000e-004 | 31.4415  |

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**5.2 Energy by Land Use - NaturalGas****Unmitigated**

|                         | NaturalGas Use | ROG                | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2      | Total CO2      | CH4                | N2O                | CO2e           |
|-------------------------|----------------|--------------------|---------------|---------------|--------------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|----------------|----------------|--------------------|--------------------|----------------|
| Land Use                | kBTU/yr        | tons/yr            |               |               |                    |               |                    |                    |                |                    |                    | MT/yr         |                |                |                    |                    |                |
| General Office Building | 131166         | 7.1000e-004        | 6.4300e-003   | 5.4000e-003   | 4.0000e-005        |               | 4.9000e-004        | 4.9000e-004        |                | 4.9000e-004        | 4.9000e-004        | 0.0000        | 6.9995         | 6.9995         | 1.3000e-004        | 1.3000e-004        | 7.0411         |
| High School             | 193357         | 1.0400e-003        | 9.4800e-003   | 7.9600e-003   | 6.0000e-005        |               | 7.2000e-004        | 7.2000e-004        |                | 7.2000e-004        | 7.2000e-004        | 0.0000        | 10.3183        | 10.3183        | 2.0000e-004        | 1.9000e-004        | 10.3796        |
| High School             | 30160          | 1.6000e-004        | 1.4800e-003   | 1.2400e-003   | 1.0000e-005        |               | 1.1000e-004        | 1.1000e-004        |                | 1.1000e-004        | 1.1000e-004        | 0.0000        | 1.6095         | 1.6095         | 3.0000e-005        | 3.0000e-005        | 1.6190         |
| Other Asphalt Surfaces  | 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         |
| Parking Lot             | 0              | 0.0000             | 0.0000        | 0.0000        | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Place of Worship        | 231028         | 1.2500e-003        | 0.0113        | 9.5100e-003   | 7.0000e-005        |               | 8.6000e-004        | 8.6000e-004        |                | 8.6000e-004        | 8.6000e-004        | 0.0000        | 12.3286        | 12.3286        | 2.4000e-004        | 2.3000e-004        | 12.4018        |
| <b>Total</b>            |                | <b>3.1600e-003</b> | <b>0.0287</b> | <b>0.0241</b> | <b>1.8000e-004</b> |               | <b>2.1800e-003</b> | <b>2.1800e-003</b> |                | <b>2.1800e-003</b> | <b>2.1800e-003</b> | <b>0.0000</b> | <b>31.2558</b> | <b>31.2558</b> | <b>6.0000e-004</b> | <b>5.8000e-004</b> | <b>31.4415</b> |

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**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         |                |                |                    |                    |                |
| General Office Building | 131166         | 7.1000e-004        | 6.4300e-003   | 5.4000e-003   | 4.0000e-005        |               | 4.9000e-004        | 4.9000e-004        |                | 4.9000e-004        | 4.9000e-004        | 0.0000        | 6.9995         | 6.9995         | 1.3000e-004        | 1.3000e-004        | 7.0411         |
| High School             | 193357         | 1.0400e-003        | 9.4800e-003   | 7.9600e-003   | 6.0000e-005        |               | 7.2000e-004        | 7.2000e-004        |                | 7.2000e-004        | 7.2000e-004        | 0.0000        | 10.3183        | 10.3183        | 2.0000e-004        | 1.9000e-004        | 10.3796        |
| High School             | 30160          | 1.6000e-004        | 1.4800e-003   | 1.2400e-003   | 1.0000e-005        |               | 1.1000e-004        | 1.1000e-004        |                | 1.1000e-004        | 1.1000e-004        | 0.0000        | 1.6095         | 1.6095         | 3.0000e-005        | 3.0000e-005        | 1.6190         |
| Other Asphalt Surfaces  | 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         |
| Parking Lot             | 0              | 0.0000             | 0.0000        | 0.0000        | 0.0000             |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000         | 0.0000         | 0.0000             | 0.0000             | 0.0000         |
| Place of Worship        | 231028         | 1.2500e-003        | 0.0113        | 9.5100e-003   | 7.0000e-005        |               | 8.6000e-004        | 8.6000e-004        |                | 8.6000e-004        | 8.6000e-004        | 0.0000        | 12.3286        | 12.3286        | 2.4000e-004        | 2.3000e-004        | 12.4018        |
| <b>Total</b>            |                | <b>3.1600e-003</b> | <b>0.0287</b> | <b>0.0241</b> | <b>1.8000e-004</b> |               | <b>2.1800e-003</b> | <b>2.1800e-003</b> |                | <b>2.1800e-003</b> | <b>2.1800e-003</b> | <b>0.0000</b> | <b>31.2558</b> | <b>31.2558</b> | <b>6.0000e-004</b> | <b>5.8000e-004</b> | <b>31.4415</b> |

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**5.3 Energy by Land Use - Electricity****Unmitigated**

|                         | Electricity Use | Total CO2       | CH4                | N2O                | CO2e            |
|-------------------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                | kWh/yr          | MT/yr           |                    |                    |                 |
| General Office Building | 163674          | 82.8035         | 2.1500e-003        | 4.5000e-004        | 82.9901         |
| High School             | 110065          | 55.6823         | 1.4500e-003        | 3.0000e-004        | 55.8077         |
| High School             | 17168           | 8.6854          | 2.3000e-004        | 5.0000e-005        | 8.7050          |
| Other Asphalt Surfaces  | 0               | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Parking Lot             | 22838.5         | 11.5541         | 3.0000e-004        | 6.0000e-005        | 11.5802         |
| Place of Worship        | 141680          | 71.6769         | 1.8600e-003        | 3.9000e-004        | 71.8384         |
| <b>Total</b>            |                 | <b>230.4022</b> | <b>5.9900e-003</b> | <b>1.2500e-003</b> | <b>230.9213</b> |

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**5.3 Energy by Land Use - Electricity****Mitigated**

|                         | Electricity Use | Total CO2       | CH4                | N2O                | CO2e            |
|-------------------------|-----------------|-----------------|--------------------|--------------------|-----------------|
| Land Use                | kWh/yr          | MT/yr           |                    |                    |                 |
| General Office Building | 163674          | 82.8035         | 2.1500e-003        | 4.5000e-004        | 82.9901         |
| High School             | 110065          | 55.6823         | 1.4500e-003        | 3.0000e-004        | 55.8077         |
| High School             | 17168           | 8.6854          | 2.3000e-004        | 5.0000e-005        | 8.7050          |
| Other Asphalt Surfaces  | 0               | 0.0000          | 0.0000             | 0.0000             | 0.0000          |
| Parking Lot             | 22838.5         | 11.5541         | 3.0000e-004        | 6.0000e-005        | 11.5802         |
| Place of Worship        | 141680          | 71.6769         | 1.8600e-003        | 3.9000e-004        | 71.8384         |
| <b>Total</b>            |                 | <b>230.4022</b> | <b>5.9900e-003</b> | <b>1.2500e-003</b> | <b>230.9213</b> |

**6.0 Area Detail****6.1 Mitigation Measures Area**

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|             | ROG     | NOx         | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total  | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4         | N2O    | CO2e        |
|-------------|---------|-------------|-------------|--------|---------------|--------------|-------------|----------------|---------------|-------------|----------|-------------|-------------|-------------|--------|-------------|
| Category    | tons/yr |             |             |        |               |              |             |                |               |             | MT/yr    |             |             |             |        |             |
| Mitigated   | 0.1973  | 1.0000e-005 | 1.6000e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 | 0.0000   | 3.1000e-003 | 3.1000e-003 | 1.0000e-005 | 0.0000 | 3.3100e-003 |
| Unmitigated | 0.1973  | 1.0000e-005 | 1.6000e-003 | 0.0000 |               | 1.0000e-005  | 1.0000e-005 |                | 1.0000e-005   | 1.0000e-005 | 0.0000   | 3.1000e-003 | 3.1000e-003 | 1.0000e-005 | 0.0000 | 3.3100e-003 |

## 6.2 Area by SubCategory

Unmitigated

|                       | ROG           | NOx                | CO                 | SO2           | Fugitive PM10 | Exhaust PM10       | PM10 Total         | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total        | Bio- CO2      | NBio- CO2          | Total CO2          | CH4                | N2O           | CO2e               |
|-----------------------|---------------|--------------------|--------------------|---------------|---------------|--------------------|--------------------|----------------|--------------------|--------------------|---------------|--------------------|--------------------|--------------------|---------------|--------------------|
| SubCategory           | tons/yr       |                    |                    |               |               |                    |                    |                |                    |                    | MT/yr         |                    |                    |                    |               |                    |
| Architectural Coating | 0.0228        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Consumer Products     | 0.1744        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Landscaping           | 1.5000e-004   | 1.0000e-005        | 1.6000e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        | 0.0000        | 3.1000e-003        | 3.1000e-003        | 1.0000e-005        | 0.0000        | 3.3100e-003        |
| <b>Total</b>          | <b>0.1973</b> | <b>1.0000e-005</b> | <b>1.6000e-003</b> | <b>0.0000</b> |               | <b>1.0000e-005</b> | <b>1.0000e-005</b> |                | <b>1.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>3.1000e-003</b> | <b>3.1000e-003</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>3.3100e-003</b> |

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**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 | 0.0228        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Consumer Products     | 0.1744        |                    |                    |               |               | 0.0000             | 0.0000             |                | 0.0000             | 0.0000             | 0.0000        | 0.0000             | 0.0000             | 0.0000             | 0.0000        | 0.0000             |
| Landscaping           | 1.5000e-004   | 1.0000e-005        | 1.6000e-003        | 0.0000        |               | 1.0000e-005        | 1.0000e-005        |                | 1.0000e-005        | 1.0000e-005        | 0.0000        | 3.1000e-003        | 3.1000e-003        | 1.0000e-005        | 0.0000        | 3.3100e-003        |
| <b>Total</b>          | <b>0.1973</b> | <b>1.0000e-005</b> | <b>1.6000e-003</b> | <b>0.0000</b> |               | <b>1.0000e-005</b> | <b>1.0000e-005</b> |                | <b>1.0000e-005</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>3.1000e-003</b> | <b>3.1000e-003</b> | <b>1.0000e-005</b> | <b>0.0000</b> | <b>3.3100e-003</b> |

**7.0 Water Detail****7.1 Mitigation Measures Water**

## 400 E Lomita Avenue - Holy Family - Los Angeles-South Coast County, Annual

|             | Total CO2 | CH4    | N2O         | CO2e    |
|-------------|-----------|--------|-------------|---------|
| Category    | MT/yr     |        |             |         |
| Mitigated   | 44.6838   | 0.1104 | 2.8100e-003 | 48.2816 |
| Unmitigated | 44.6838   | 0.1104 | 2.8100e-003 | 48.2816 |

## 7.2 Water by Land Use

Unmitigated

|                         | Indoor/Outdoor Use  | Total CO2      | CH4           | N2O                | CO2e           |
|-------------------------|---------------------|----------------|---------------|--------------------|----------------|
| Land Use                | Mgal                | MT/yr          |               |                    |                |
| General Office Building | 2.23945 / 1.37256   | 23.1772        | 0.0736        | 1.8400e-003        | 25.5656        |
| High School             | 0.713568 / 1.83489  | 15.2401        | 0.0236        | 6.3000e-004        | 16.0188        |
| Other Asphalt Surfaces  | 0 / 0               | 0.0000         | 0.0000        | 0.0000             | 0.0000         |
| Parking Lot             | 0 / 0               | 0.0000         | 0.0000        | 0.0000             | 0.0000         |
| Place of Worship        | 0.399246 / 0.624462 | 6.2665         | 0.0132        | 3.4000e-004        | 6.6971         |
| <b>Total</b>            |                     | <b>44.6838</b> | <b>0.1104</b> | <b>2.8100e-003</b> | <b>48.2816</b> |

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## 7.2 Water by Land Use

### Mitigated

|                         | Indoor/Outdoor Use  | Total CO2      | CH4           | N2O                | CO2e           |
|-------------------------|---------------------|----------------|---------------|--------------------|----------------|
| Land Use                | Mgal                | MT/yr          |               |                    |                |
| General Office Building | 2.23945 / 1.37256   | 23.1772        | 0.0736        | 1.8400e-003        | 25.5656        |
| High School             | 0.713568 / 1.83489  | 15.2401        | 0.0236        | 6.3000e-004        | 16.0188        |
| Other Asphalt Surfaces  | 0 / 0               | 0.0000         | 0.0000        | 0.0000             | 0.0000         |
| Parking Lot             | 0 / 0               | 0.0000         | 0.0000        | 0.0000             | 0.0000         |
| Place of Worship        | 0.399246 / 0.624462 | 6.2665         | 0.0132        | 3.4000e-004        | 6.6971         |
| <b>Total</b>            |                     | <b>44.6838</b> | <b>0.1104</b> | <b>2.8100e-003</b> | <b>48.2816</b> |

## 8.0 Waste Detail

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### 8.1 Mitigation Measures Waste

## 400 E Lomita Avenue - Holy Family - Los Angeles-South Coast County, Annual

**Category/Year**

|             | Total CO2 | CH4    | N2O    | CO2e    |
|-------------|-----------|--------|--------|---------|
|             | MT/yr     |        |        |         |
| Mitigated   | 22.8142   | 1.3483 | 0.0000 | 56.5211 |
| Unmitigated | 22.8142   | 1.3483 | 0.0000 | 56.5211 |

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

|                         | Waste Disposed | Total CO2      | CH4           | N2O           | CO2e           |
|-------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use                | tons           | MT/yr          |               |               |                |
| General Office Building | 11.72          | 2.3791         | 0.1406        | 0.0000        | 5.8940         |
| High School             | 27.94          | 5.6716         | 0.3352        | 0.0000        | 14.0511        |
| Other Asphalt Surfaces  | 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Parking Lot             | 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Place of Worship        | 72.73          | 14.7635        | 0.8725        | 0.0000        | 36.5760        |
| <b>Total</b>            |                | <b>22.8142</b> | <b>1.3483</b> | <b>0.0000</b> | <b>56.5211</b> |

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**8.2 Waste by Land Use****Mitigated**

|                         | Waste Disposed | Total CO2      | CH4           | N2O           | CO2e           |
|-------------------------|----------------|----------------|---------------|---------------|----------------|
| Land Use                | tons           | MT/yr          |               |               |                |
| General Office Building | 11.72          | 2.3791         | 0.1406        | 0.0000        | 5.8940         |
| High School             | 27.94          | 5.6716         | 0.3352        | 0.0000        | 14.0511        |
| Other Asphalt Surfaces  | 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Parking Lot             | 0              | 0.0000         | 0.0000        | 0.0000        | 0.0000         |
| Place of Worship        | 72.73          | 14.7635        | 0.8725        | 0.0000        | 36.5760        |
| <b>Total</b>            |                | <b>22.8142</b> | <b>1.3483</b> | <b>0.0000</b> | <b>56.5211</b> |

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment****Fire Pumps and Emergency Generators**

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

**Boilers**

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

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**User Defined Equipment**

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

**11.0 Vegetation**

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