

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**Stoddard Wells Road Widening**  
**Mojave Desert AQMD Air District, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

| Land Uses              | Size | Metric | Lot Acreage | Floor Surface Area | Population |
|------------------------|------|--------|-------------|--------------------|------------|
| Other Asphalt Surfaces | 1.00 |        | 0.00        | 765,587.20         | 0          |

**1.2 Other Project Characteristics**

|                                 |       |                                 |     |                                  |      |
|---------------------------------|-------|---------------------------------|-----|----------------------------------|------|
| <b>Urbanization</b>             | Urban | <b>Wind Speed (m/s)</b>         | 2.6 | <b>Precipitation Freq (Days)</b> | 30   |
| <b>Climate Zone</b>             | 10    |                                 |     | <b>Operational Year</b>          | 2023 |
| <b>Utility Company</b>          |       |                                 |     |                                  |      |
| <b>CO2 Intensity (lb/MW hr)</b> | 0     | <b>CH4 Intensity (lb/MW hr)</b> | 0   | <b>N2O Intensity (lb/MW hr)</b>  | 0    |

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

Project Characteristics -

Land Use -

Construction Phase - 30 days to complete the work

Demolition -

Construction Off-road Equipment Mitigation -

Waste Mitigation -

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| Table Name           | Column Name    | Default Value | New Value  |
|----------------------|----------------|---------------|------------|
| tblConstructionPhase | NumDays        | 0.00          | 30.00      |
| tblConstructionPhase | NumDays        | 0.00          | 30.00      |
| tblConstructionPhase | NumDays        | 0.00          | 30.00      |
| tblConstructionPhase | NumDays        | 0.00          | 30.00      |
| tblConstructionPhase | NumDays        | 0.00          | 30.00      |
| tblConstructionPhase | NumDays        | 0.00          | 30.00      |
| tblConstructionPhase | PhaseEndDate   | 12/31/2010    | 4/8/2022   |
| tblConstructionPhase | PhaseEndDate   | 12/31/2010    | 1/14/2022  |
| tblConstructionPhase | PhaseEndDate   | 12/31/2013    | 9/10/2021  |
| tblConstructionPhase | PhaseEndDate   | 12/31/2010    | 12/3/2021  |
| tblConstructionPhase | PhaseEndDate   | 12/31/2010    | 2/25/2022  |
| tblConstructionPhase | PhaseEndDate   | 12/31/2010    | 10/22/2021 |
| tblConstructionPhase | PhaseStartDate | 1/1/2011      | 2/26/2022  |
| tblConstructionPhase | PhaseStartDate | 1/1/2011      | 12/4/2021  |
| tblConstructionPhase | PhaseStartDate | 1/1/2014      | 8/2/2021   |
| tblConstructionPhase | PhaseStartDate | 1/1/2011      | 10/23/2021 |
| tblConstructionPhase | PhaseStartDate | 1/1/2011      | 1/15/2022  |
| tblConstructionPhase | PhaseStartDate | 1/1/2011      | 9/11/2021  |
| tblGrading           | AcresOfGrading | 15.00         | 0.00       |

## 2.0 Emissions Summary

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**3.0 Construction Detail**

**Construction Phase**

| Phase Number | Phase Name            | Phase Type            | Start Date | End Date   | Num Days Week | Num Days | Phase Description |
|--------------|-----------------------|-----------------------|------------|------------|---------------|----------|-------------------|
| 1            | Demolition            | Demolition            | 8/2/2021   | 9/10/2021  | 5             | 30       |                   |
| 2            | Site Preparation      | Site Preparation      | 9/11/2021  | 10/22/2021 | 5             | 30       |                   |
| 3            | Grading               | Grading               | 10/23/2021 | 12/3/2021  | 5             | 30       |                   |
| 4            | Building Construction | Building Construction | 12/4/2021  | 1/14/2022  | 5             | 30       |                   |
| 5            | Paving                | Paving                | 1/15/2022  | 2/25/2022  | 5             | 30       |                   |
| 6            | Striping              | Architectural Coating | 2/26/2022  | 4/8/2022   | 5             | 30       |                   |

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

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

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 45,935 (Architectural Coating – sqft)**

**OffRoad Equipment**

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

| Phase Name            | Offroad Equipment Type    | Amount | Usage Hours | Horse Power | Load Factor |
|-----------------------|---------------------------|--------|-------------|-------------|-------------|
| Striping              | Air Compressors           | 1      | 6.00        | 78          | 0.48        |
| Paving                | Cement and Mortar Mixers  | 4      | 6.00        | 9           | 0.56        |
| Demolition            | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Grading               | Concrete/Industrial Saws  | 1      | 8.00        | 81          | 0.73        |
| Building Construction | Cranes                    | 1      | 4.00        | 231         | 0.29        |
| Building Construction | Forklifts                 | 2      | 6.00        | 89          | 0.20        |
| Site Preparation      | Graders                   | 1      | 8.00        | 187         | 0.41        |
| Paving                | Pavers                    | 1      | 7.00        | 130         | 0.42        |
| Paving                | Rollers                   | 1      | 7.00        | 80          | 0.38        |
| Demolition            | Rubber Tired Dozers       | 1      | 1.00        | 247         | 0.40        |
| Grading               | Rubber Tired Dozers       | 1      | 1.00        | 247         | 0.40        |
| Building Construction | Tractors/Loaders/Backhoes | 2      | 8.00        | 97          | 0.37        |
| Demolition            | Tractors/Loaders/Backhoes | 2      | 6.00        | 97          | 0.37        |
| Grading               | Tractors/Loaders/Backhoes | 2      | 6.00        | 97          | 0.37        |
| Paving                | Tractors/Loaders/Backhoes | 1      | 7.00        | 97          | 0.37        |
| Site Preparation      | Tractors/Loaders/Backhoes | 1      | 8.00        | 97          | 0.37        |

**Trips and VMT**

| Phase Name            | Offroad Equipment Count | Worker Trip Number | Vendor Trip Number | Hauling Trip Number | Worker Trip Length | Vendor Trip Length | Hauling Trip Length | Worker Vehicle Class | Vendor Vehicle Class | Hauling Vehicle Class |
|-----------------------|-------------------------|--------------------|--------------------|---------------------|--------------------|--------------------|---------------------|----------------------|----------------------|-----------------------|
| Demolition            | 4                       | 10.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Site Preparation      | 2                       | 5.00               | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Grading               | 4                       | 10.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Building Construction | 5                       | 322.00             | 125.00             | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Paving                | 7                       | 18.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |
| Striping              | 1                       | 64.00              | 0.00               | 0.00                | 10.80              | 7.30               | 20.00               | LD_Mix               | HDT_Mix              | HHDT                  |

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**3.1 Mitigation Measures Construction**

Use Soil Stabilizer

**3.2 Demolition - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e |                   |
|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|--------------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|------|-------------------|
| Category      | lb/day        |               |               |               |                    |               |               |                    |               |               | lb/day   |                   |                   |               |     |      |                   |
| Fugitive Dust |               |               |               |               | 7.2000e-004        | 0.0000        | 7.2000e-004   | 1.1000e-004        | 0.0000        | 1.1000e-004   |          |                   | 0.0000            |               |     |      | 0.0000            |
| Off-Road      | 0.7965        | 7.2530        | 7.5691        | 0.0120        |                    | 0.4073        | 0.4073        |                    | 0.3886        | 0.3886        |          | 1,147.4338        | 1,147.4338        | 0.2138        |     |      | 1,152.7797        |
| <b>Total</b>  | <b>0.7965</b> | <b>7.2530</b> | <b>7.5691</b> | <b>0.0120</b> | <b>7.2000e-004</b> | <b>0.4073</b> | <b>0.4081</b> | <b>1.1000e-004</b> | <b>0.3886</b> | <b>0.3887</b> |          | <b>1,147.4338</b> | <b>1,147.4338</b> | <b>0.2138</b> |     |      | <b>1,152.7797</b> |

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**3.2 Demolition - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 0.0431        | 0.0284        | 0.2631        | 7.1000e-004        | 0.0822        | 5.0000e-004        | 0.0827        | 0.0218         | 4.6000e-004        | 0.0223        |          | 70.6097        | 70.6097        | 2.2100e-003        |     | 70.6651        |
| <b>Total</b> | <b>0.0431</b> | <b>0.0284</b> | <b>0.2631</b> | <b>7.1000e-004</b> | <b>0.0822</b> | <b>5.0000e-004</b> | <b>0.0827</b> | <b>0.0218</b>  | <b>4.6000e-004</b> | <b>0.0223</b> |          | <b>70.6097</b> | <b>70.6097</b> | <b>2.2100e-003</b> |     | <b>70.6651</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2           | Fugitive PM10      | Exhaust PM10  | PM10 Total    | Fugitive PM2.5     | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|--------------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |               |               |               |                    |               |               |                    |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |               |               |               | 7.2000e-004        | 0.0000        | 7.2000e-004   | 1.1000e-004        | 0.0000        | 1.1000e-004   |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.7965        | 7.2530        | 7.5691        | 0.0120        |                    | 0.4073        | 0.4073        |                    | 0.3886        | 0.3886        | 0.0000        | 1,147.4338        | 1,147.4338        | 0.2138        |     | 1,152.7797        |
| <b>Total</b>  | <b>0.7965</b> | <b>7.2530</b> | <b>7.5691</b> | <b>0.0120</b> | <b>7.2000e-004</b> | <b>0.4073</b> | <b>0.4081</b> | <b>1.1000e-004</b> | <b>0.3886</b> | <b>0.3887</b> | <b>0.0000</b> | <b>1,147.4338</b> | <b>1,147.4338</b> | <b>0.2138</b> |     | <b>1,152.7797</b> |



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**3.2 Demolition - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 0.0431        | 0.0284        | 0.2631        | 7.1000e-004        | 0.0822        | 5.0000e-004        | 0.0827        | 0.0218         | 4.6000e-004        | 0.0223        |          | 70.6097        | 70.6097        | 2.2100e-003        |     | 70.6651        |
| <b>Total</b> | <b>0.0431</b> | <b>0.0284</b> | <b>0.2631</b> | <b>7.1000e-004</b> | <b>0.0822</b> | <b>5.0000e-004</b> | <b>0.0827</b> | <b>0.0218</b>  | <b>4.6000e-004</b> | <b>0.0223</b> |          | <b>70.6097</b> | <b>70.6097</b> | <b>2.2100e-003</b> |     | <b>70.6651</b> |

**3.3 Site Preparation - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.6403        | 7.8204        | 4.0274        | 9.7300e-003        |               | 0.2995        | 0.2995        |                | 0.2755        | 0.2755        |          | 942.5842        | 942.5842        | 0.3049        |     | 950.2055        |
| <b>Total</b>  | <b>0.6403</b> | <b>7.8204</b> | <b>4.0274</b> | <b>9.7300e-003</b> | <b>0.0000</b> | <b>0.2995</b> | <b>0.2995</b> | <b>0.0000</b>  | <b>0.2755</b> | <b>0.2755</b> |          | <b>942.5842</b> | <b>942.5842</b> | <b>0.3049</b> |     | <b>950.2055</b> |

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**3.3 Site Preparation - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 0.0216        | 0.0142        | 0.1315        | 3.5000e-004        | 0.0411        | 2.5000e-004        | 0.0413        | 0.0109         | 2.3000e-004        | 0.0111        |          | 35.3049        | 35.3049        | 1.1100e-003        |     | 35.3325        |
| <b>Total</b> | <b>0.0216</b> | <b>0.0142</b> | <b>0.1315</b> | <b>3.5000e-004</b> | <b>0.0411</b> | <b>2.5000e-004</b> | <b>0.0413</b> | <b>0.0109</b>  | <b>2.3000e-004</b> | <b>0.0111</b> |          | <b>35.3049</b> | <b>35.3049</b> | <b>1.1100e-003</b> |     | <b>35.3325</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|---------------|---------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category      | lb/day        |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Fugitive Dust |               |               |               |                    | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road      | 0.6403        | 7.8204        | 4.0274        | 9.7300e-003        |               | 0.2995        | 0.2995        |                | 0.2755        | 0.2755        | 0.0000        | 942.5842        | 942.5842        | 0.3049        |     | 950.2055        |
| <b>Total</b>  | <b>0.6403</b> | <b>7.8204</b> | <b>4.0274</b> | <b>9.7300e-003</b> | <b>0.0000</b> | <b>0.2995</b> | <b>0.2995</b> | <b>0.0000</b>  | <b>0.2755</b> | <b>0.2755</b> | <b>0.0000</b> | <b>942.5842</b> | <b>942.5842</b> | <b>0.3049</b> |     | <b>950.2055</b> |

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**3.3 Site Preparation - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 0.0216        | 0.0142        | 0.1315        | 3.5000e-004        | 0.0411        | 2.5000e-004        | 0.0413        | 0.0109         | 2.3000e-004        | 0.0111        |          | 35.3049        | 35.3049        | 1.1100e-003        |     | 35.3325        |
| <b>Total</b> | <b>0.0216</b> | <b>0.0142</b> | <b>0.1315</b> | <b>3.5000e-004</b> | <b>0.0411</b> | <b>2.5000e-004</b> | <b>0.0413</b> | <b>0.0109</b>  | <b>2.3000e-004</b> | <b>0.0111</b> |          | <b>35.3049</b> | <b>35.3049</b> | <b>1.1100e-003</b> |     | <b>35.3325</b> |

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Fugitive Dust |               |               |               |               | 0.7528        | 0.0000        | 0.7528        | 0.4138         | 0.0000        | 0.4138        |          |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.7965        | 7.2530        | 7.5691        | 0.0120        |               | 0.4073        | 0.4073        |                | 0.3886        | 0.3886        |          | 1,147.4338        | 1,147.4338        | 0.2138        |     | 1,152.7797        |
| <b>Total</b>  | <b>0.7965</b> | <b>7.2530</b> | <b>7.5691</b> | <b>0.0120</b> | <b>0.7528</b> | <b>0.4073</b> | <b>1.1601</b> | <b>0.4138</b>  | <b>0.3886</b> | <b>0.8024</b> |          | <b>1,147.4338</b> | <b>1,147.4338</b> | <b>0.2138</b> |     | <b>1,152.7797</b> |

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**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 0.0431        | 0.0284        | 0.2631        | 7.1000e-004        | 0.0822        | 5.0000e-004        | 0.0827        | 0.0218         | 4.6000e-004        | 0.0223        |          | 70.6097        | 70.6097        | 2.2100e-003        |     | 70.6651        |
| <b>Total</b> | <b>0.0431</b> | <b>0.0284</b> | <b>0.2631</b> | <b>7.1000e-004</b> | <b>0.0822</b> | <b>5.0000e-004</b> | <b>0.0827</b> | <b>0.0218</b>  | <b>4.6000e-004</b> | <b>0.0223</b> |          | <b>70.6097</b> | <b>70.6097</b> | <b>2.2100e-003</b> |     | <b>70.6651</b> |

**Mitigated Construction On-Site**

|               | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category      | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Fugitive Dust |               |               |               |               | 0.7528        | 0.0000        | 0.7528        | 0.4138         | 0.0000        | 0.4138        |               |                   | 0.0000            |               |     | 0.0000            |
| Off-Road      | 0.7965        | 7.2530        | 7.5691        | 0.0120        |               | 0.4073        | 0.4073        |                | 0.3886        | 0.3886        | 0.0000        | 1,147.4338        | 1,147.4338        | 0.2138        |     | 1,152.7797        |
| <b>Total</b>  | <b>0.7965</b> | <b>7.2530</b> | <b>7.5691</b> | <b>0.0120</b> | <b>0.7528</b> | <b>0.4073</b> | <b>1.1601</b> | <b>0.4138</b>  | <b>0.3886</b> | <b>0.8024</b> | <b>0.0000</b> | <b>1,147.4338</b> | <b>1,147.4338</b> | <b>0.2138</b> |     | <b>1,152.7797</b> |

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2      | Total CO2      | CH4                | N2O | CO2e           |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|----------------|----------------|--------------------|-----|----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                |                |                    |     |                |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000         | 0.0000         | 0.0000             |     | 0.0000         |
| Worker       | 0.0431        | 0.0284        | 0.2631        | 7.1000e-004        | 0.0822        | 5.0000e-004        | 0.0827        | 0.0218         | 4.6000e-004        | 0.0223        |          | 70.6097        | 70.6097        | 2.2100e-003        |     | 70.6651        |
| <b>Total</b> | <b>0.0431</b> | <b>0.0284</b> | <b>0.2631</b> | <b>7.1000e-004</b> | <b>0.0822</b> | <b>5.0000e-004</b> | <b>0.0827</b> | <b>0.0218</b>  | <b>4.6000e-004</b> | <b>0.0223</b> |          | <b>70.6097</b> | <b>70.6097</b> | <b>2.2100e-003</b> |     | <b>70.6651</b> |

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.7750        | 7.9850        | 7.2637        | 0.0114        |               | 0.4475        | 0.4475        |                | 0.4117        | 0.4117        |          | 1,103.2158        | 1,103.2158        | 0.3568        |     | 1,112.1358        |
| <b>Total</b> | <b>0.7750</b> | <b>7.9850</b> | <b>7.2637</b> | <b>0.0114</b> |               | <b>0.4475</b> | <b>0.4475</b> |                | <b>0.4117</b> | <b>0.4117</b> |          | <b>1,103.2158</b> | <b>1,103.2158</b> | <b>0.3568</b> |     | <b>1,112.1358</b> |

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.3871        | 11.4866        | 3.0101         | 0.0354        | 0.8477        | 0.0190        | 0.8667        | 0.2441         | 0.0182        | 0.2623        |          | 3,694.3258        | 3,694.3258        | 0.3536        |     | 3,703.1655        |
| Worker       | 1.3881        | 0.9155         | 8.4714         | 0.0228        | 2.6452        | 0.0162        | 2.6613        | 0.7016         | 0.0149        | 0.7165        |          | 2,273.6325        | 2,273.6325        | 0.0713        |     | 2,275.4150        |
| <b>Total</b> | <b>1.7752</b> | <b>12.4021</b> | <b>11.4815</b> | <b>0.0582</b> | <b>3.4929</b> | <b>0.0352</b> | <b>3.5281</b> | <b>0.9458</b>  | <b>0.0331</b> | <b>0.9788</b> |          | <b>5,967.9583</b> | <b>5,967.9583</b> | <b>0.4249</b> |     | <b>5,978.5805</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.7750        | 7.9850        | 7.2637        | 0.0114        |               | 0.4475        | 0.4475        |                | 0.4117        | 0.4117        | 0.0000        | 1,103.2158        | 1,103.2158        | 0.3568        |     | 1,112.1358        |
| <b>Total</b> | <b>0.7750</b> | <b>7.9850</b> | <b>7.2637</b> | <b>0.0114</b> |               | <b>0.4475</b> | <b>0.4475</b> |                | <b>0.4117</b> | <b>0.4117</b> | <b>0.0000</b> | <b>1,103.2158</b> | <b>1,103.2158</b> | <b>0.3568</b> |     | <b>1,112.1358</b> |

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.3871        | 11.4866        | 3.0101         | 0.0354        | 0.8477        | 0.0190        | 0.8667        | 0.2441         | 0.0182        | 0.2623        |          | 3,694.3258        | 3,694.3258        | 0.3536        |     | 3,703.1655        |
| Worker       | 1.3881        | 0.9155         | 8.4714         | 0.0228        | 2.6452        | 0.0162        | 2.6613        | 0.7016         | 0.0149        | 0.7165        |          | 2,273.6325        | 2,273.6325        | 0.0713        |     | 2,275.4150        |
| <b>Total</b> | <b>1.7752</b> | <b>12.4021</b> | <b>11.4815</b> | <b>0.0582</b> | <b>3.4929</b> | <b>0.0352</b> | <b>3.5281</b> | <b>0.9458</b>  | <b>0.0331</b> | <b>0.9788</b> |          | <b>5,967.9583</b> | <b>5,967.9583</b> | <b>0.4249</b> |     | <b>5,978.5805</b> |

**3.5 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     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.6863        | 7.0258        | 7.1527        | 0.0114        |               | 0.3719        | 0.3719        |                | 0.3422        | 0.3422        |          | 1,103.9393        | 1,103.9393        | 0.3570        |     | 1,112.8652        |
| <b>Total</b> | <b>0.6863</b> | <b>7.0258</b> | <b>7.1527</b> | <b>0.0114</b> |               | <b>0.3719</b> | <b>0.3719</b> |                | <b>0.3422</b> | <b>0.3422</b> |          | <b>1,103.9393</b> | <b>1,103.9393</b> | <b>0.3570</b> |     | <b>1,112.8652</b> |

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.3573        | 10.7781        | 2.7315         | 0.0351        | 0.8477        | 0.0154        | 0.8631        | 0.2441         | 0.0147        | 0.2588        |          | 3,664.8368        | 3,664.8368        | 0.3334        |     | 3,673.1709        |
| Worker       | 1.2939        | 0.8187         | 7.6892         | 0.0220        | 2.6452        | 0.0157        | 2.6608        | 0.7016         | 0.0144        | 0.7160        |          | 2,191.5662        | 2,191.5662        | 0.0635        |     | 2,193.1532        |
| <b>Total</b> | <b>1.6511</b> | <b>11.5968</b> | <b>10.4207</b> | <b>0.0571</b> | <b>3.4929</b> | <b>0.0310</b> | <b>3.5239</b> | <b>0.9458</b>  | <b>0.0291</b> | <b>0.9749</b> |          | <b>5,856.4031</b> | <b>5,856.4031</b> | <b>0.3968</b> |     | <b>5,866.3241</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.6863        | 7.0258        | 7.1527        | 0.0114        |               | 0.3719        | 0.3719        |                | 0.3422        | 0.3422        | 0.0000        | 1,103.9393        | 1,103.9393        | 0.3570        |     | 1,112.8652        |
| <b>Total</b> | <b>0.6863</b> | <b>7.0258</b> | <b>7.1527</b> | <b>0.0114</b> |               | <b>0.3719</b> | <b>0.3719</b> |                | <b>0.3422</b> | <b>0.3422</b> | <b>0.0000</b> | <b>1,103.9393</b> | <b>1,103.9393</b> | <b>0.3570</b> |     | <b>1,112.8652</b> |



Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx            | CO             | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|----------------|----------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |                |                |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Hauling      | 0.0000        | 0.0000         | 0.0000         | 0.0000        | 0.0000        | 0.0000        | 0.0000        | 0.0000         | 0.0000        | 0.0000        |          | 0.0000            | 0.0000            | 0.0000        |     | 0.0000            |
| Vendor       | 0.3573        | 10.7781        | 2.7315         | 0.0351        | 0.8477        | 0.0154        | 0.8631        | 0.2441         | 0.0147        | 0.2588        |          | 3,664.8368        | 3,664.8368        | 0.3334        |     | 3,673.1709        |
| Worker       | 1.2939        | 0.8187         | 7.6892         | 0.0220        | 2.6452        | 0.0157        | 2.6608        | 0.7016         | 0.0144        | 0.7160        |          | 2,191.5662        | 2,191.5662        | 0.0635        |     | 2,193.1532        |
| <b>Total</b> | <b>1.6511</b> | <b>11.5968</b> | <b>10.4207</b> | <b>0.0571</b> | <b>3.4929</b> | <b>0.0310</b> | <b>3.5239</b> | <b>0.9458</b>  | <b>0.0291</b> | <b>0.9749</b> |          | <b>5,856.4031</b> | <b>5,856.4031</b> | <b>0.3968</b> |     | <b>5,866.3241</b> |

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |                   |                   |               |     |                   |
| Off-Road     | 0.6469        | 5.9174        | 7.0348        | 0.0113        |               | 0.2961        | 0.2961        |                | 0.2758        | 0.2758        |          | 1,035.8246        | 1,035.8246        | 0.3017        |     | 1,043.3677        |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.6469</b> | <b>5.9174</b> | <b>7.0348</b> | <b>0.0113</b> |               | <b>0.2961</b> | <b>0.2961</b> |                | <b>0.2758</b> | <b>0.2758</b> |          | <b>1,035.8246</b> | <b>1,035.8246</b> | <b>0.3017</b> |     | <b>1,043.3677</b> |

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0723        | 0.0458        | 0.4298        | 1.2300e-003        | 0.1479        | 8.7000e-004        | 0.1487        | 0.0392         | 8.1000e-004        | 0.0400        |          | 122.5099        | 122.5099        | 3.5500e-003        |     | 122.5986        |
| <b>Total</b> | <b>0.0723</b> | <b>0.0458</b> | <b>0.4298</b> | <b>1.2300e-003</b> | <b>0.1479</b> | <b>8.7000e-004</b> | <b>0.1487</b> | <b>0.0392</b>  | <b>8.1000e-004</b> | <b>0.0400</b> |          | <b>122.5099</b> | <b>122.5099</b> | <b>3.5500e-003</b> |     | <b>122.5986</b> |

**Mitigated Construction On-Site**

|              | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2         | Total CO2         | CH4           | N2O | CO2e              |
|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------------|-------------------|---------------|-----|-------------------|
| Category     | lb/day        |               |               |               |               |               |               |                |               |               | lb/day        |                   |                   |               |     |                   |
| Off-Road     | 0.6469        | 5.9174        | 7.0348        | 0.0113        |               | 0.2961        | 0.2961        |                | 0.2758        | 0.2758        | 0.0000        | 1,035.8246        | 1,035.8246        | 0.3017        |     | 1,043.3677        |
| Paving       | 0.0000        |               |               |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                   | 0.0000            |               |     | 0.0000            |
| <b>Total</b> | <b>0.6469</b> | <b>5.9174</b> | <b>7.0348</b> | <b>0.0113</b> |               | <b>0.2961</b> | <b>0.2961</b> |                | <b>0.2758</b> | <b>0.2758</b> | <b>0.0000</b> | <b>1,035.8246</b> | <b>1,035.8246</b> | <b>0.3017</b> |     | <b>1,043.3677</b> |

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4                | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|--------------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |                    |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000             |     | 0.0000          |
| Worker       | 0.0723        | 0.0458        | 0.4298        | 1.2300e-003        | 0.1479        | 8.7000e-004        | 0.1487        | 0.0392         | 8.1000e-004        | 0.0400        |          | 122.5099        | 122.5099        | 3.5500e-003        |     | 122.5986        |
| <b>Total</b> | <b>0.0723</b> | <b>0.0458</b> | <b>0.4298</b> | <b>1.2300e-003</b> | <b>0.1479</b> | <b>8.7000e-004</b> | <b>0.1487</b> | <b>0.0392</b>  | <b>8.1000e-004</b> | <b>0.0400</b> |          | <b>122.5099</b> | <b>122.5099</b> | <b>3.5500e-003</b> |     | <b>122.5986</b> |

**3.7 Striping - 2022**

**Unmitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day   |                 |                 |               |     |                 |
| Archit. Coating | 17.7424        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045         | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        |          | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>17.9469</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> |          | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**3.7 Striping - 2022**

**Unmitigated Construction Off-Site**

|              | ROG           | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10       | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5      | PM2.5 Total   | Bio- CO2 | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|--------------|---------------|---------------|---------------|--------------------|---------------|--------------------|---------------|----------------|--------------------|---------------|----------|-----------------|-----------------|---------------|-----|-----------------|
| Category     | lb/day        |               |               |                    |               |                    |               |                |                    |               | lb/day   |                 |                 |               |     |                 |
| Hauling      | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Vendor       | 0.0000        | 0.0000        | 0.0000        | 0.0000             | 0.0000        | 0.0000             | 0.0000        | 0.0000         | 0.0000             | 0.0000        |          | 0.0000          | 0.0000          | 0.0000        |     | 0.0000          |
| Worker       | 0.2572        | 0.1627        | 1.5283        | 4.3700e-003        | 0.5257        | 3.1100e-003        | 0.5289        | 0.1395         | 2.8600e-003        | 0.1423        |          | 435.5908        | 435.5908        | 0.0126        |     | 435.9062        |
| <b>Total</b> | <b>0.2572</b> | <b>0.1627</b> | <b>1.5283</b> | <b>4.3700e-003</b> | <b>0.5257</b> | <b>3.1100e-003</b> | <b>0.5289</b> | <b>0.1395</b>  | <b>2.8600e-003</b> | <b>0.1423</b> |          | <b>435.5908</b> | <b>435.5908</b> | <b>0.0126</b> |     | <b>435.9062</b> |

**Mitigated Construction On-Site**

|                 | ROG            | NOx           | CO            | SO2                | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2      | NBio- CO2       | Total CO2       | CH4           | N2O | CO2e            |
|-----------------|----------------|---------------|---------------|--------------------|---------------|---------------|---------------|----------------|---------------|---------------|---------------|-----------------|-----------------|---------------|-----|-----------------|
| Category        | lb/day         |               |               |                    |               |               |               |                |               |               | lb/day        |                 |                 |               |     |                 |
| Archit. Coating | 17.7424        |               |               |                    |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |               |                 | 0.0000          |               |     | 0.0000          |
| Off-Road        | 0.2045         | 1.4085        | 1.8136        | 2.9700e-003        |               | 0.0817        | 0.0817        |                | 0.0817        | 0.0817        | 0.0000        | 281.4481        | 281.4481        | 0.0183        |     | 281.9062        |
| <b>Total</b>    | <b>17.9469</b> | <b>1.4085</b> | <b>1.8136</b> | <b>2.9700e-003</b> |               | <b>0.0817</b> | <b>0.0817</b> |                | <b>0.0817</b> | <b>0.0817</b> | <b>0.0000</b> | <b>281.4481</b> | <b>281.4481</b> | <b>0.0183</b> |     | <b>281.9062</b> |



Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**4.4 Fleet Mix**

| Land Use               | LDA      | LDT1     | LDT2     | MDV      | LHD1     | LHD2     | MHD      | HHD      | OBUS     | UBUS     | MCY      | SBUS     | MH       |
|------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Other Asphalt Surfaces | 0.545462 | 0.034783 | 0.175214 | 0.104547 | 0.016326 | 0.005139 | 0.008963 | 0.095912 | 0.001419 | 0.002092 | 0.008487 | 0.000707 | 0.000948 |

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

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

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

|                        | Natural Gas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use               | kBTU/yr         | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |               |               |               |               |               |
| 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        |
| <b>Total</b>           |                 | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**Mitigated**

|                        | Natural Gas Use | ROG           | NOx           | CO            | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2     | Total CO2     | CH4           | N2O           | CO2e          |
|------------------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|
| Land Use               | kBTU/yr         | lb/day        |               |               |               |               |               |               |                |               |               | lb/day   |               |               |               |               |               |
| 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        |
| <b>Total</b>           |                 | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> | <b>0.0000</b> |

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

|             | ROG    | NOx    | CO          | SO2    | Fugitive PM10 | Exhaust PM10 | PM10 Total | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total | Bio- CO2 | NBio- CO2   | Total CO2   | CH4    | N2O | CO2e        |
|-------------|--------|--------|-------------|--------|---------------|--------------|------------|----------------|---------------|-------------|----------|-------------|-------------|--------|-----|-------------|
| Category    | lb/day |        |             |        |               |              |            |                |               |             | lb/day   |             |             |        |     |             |
| Mitigated   | 0.4170 | 0.0000 | 1.0000e-004 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 2.2000e-004 | 2.2000e-004 | 0.0000 |     | 2.3000e-004 |
| Unmitigated | 0.4170 | 0.0000 | 1.0000e-004 | 0.0000 |               | 0.0000       | 0.0000     |                | 0.0000        | 0.0000      |          | 2.2000e-004 | 2.2000e-004 | 0.0000 |     | 2.3000e-004 |

6.2 Area by SubCategory

Unmitigated

|                       | ROG           | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O | CO2e               |
|-----------------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| SubCategory           | lb/day        |               |                    |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Architectural Coating | 0.1458        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Consumer Products     | 0.2712        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Landscaping           | 1.0000e-005   | 0.0000        | 1.0000e-004        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 2.2000e-004        | 2.2000e-004        | 0.0000        |     | 2.3000e-004        |
| <b>Total</b>          | <b>0.4170</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>2.2000e-004</b> | <b>2.2000e-004</b> | <b>0.0000</b> |     | <b>2.3000e-004</b> |



Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**6.2 Area by SubCategory**

**Mitigated**

|                       | ROG           | NOx           | CO                 | SO2           | Fugitive PM10 | Exhaust PM10  | PM10 Total    | Fugitive PM2.5 | Exhaust PM2.5 | PM2.5 Total   | Bio- CO2 | NBio- CO2          | Total CO2          | CH4           | N2O | CO2e               |
|-----------------------|---------------|---------------|--------------------|---------------|---------------|---------------|---------------|----------------|---------------|---------------|----------|--------------------|--------------------|---------------|-----|--------------------|
| SubCategory           | lb/day        |               |                    |               |               |               |               |                |               |               | lb/day   |                    |                    |               |     |                    |
| Architectural Coating | 0.1458        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Consumer Products     | 0.2712        |               |                    |               |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          |                    | 0.0000             |               |     | 0.0000             |
| Landscaping           | 1.0000e-005   | 0.0000        | 1.0000e-004        | 0.0000        |               | 0.0000        | 0.0000        |                | 0.0000        | 0.0000        |          | 2.2000e-004        | 2.2000e-004        | 0.0000        |     | 2.3000e-004        |
| <b>Total</b>          | <b>0.4170</b> | <b>0.0000</b> | <b>1.0000e-004</b> | <b>0.0000</b> |               | <b>0.0000</b> | <b>0.0000</b> |                | <b>0.0000</b> | <b>0.0000</b> |          | <b>2.2000e-004</b> | <b>2.2000e-004</b> | <b>0.0000</b> |     | <b>2.3000e-004</b> |

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**9.0 Operational Offroad**

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

**10.0 Stationary Equipment**

Stoddard Wells Road Widening - Mojave Desert AQMD Air District, Winter

**Fire Pumps and Emergency Generators**

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

**Boilers**

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

**User Defined Equipment**

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

**11.0 Vegetation**

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