

Appendix B

Air Quality, Greenhouse Gas, and Energy Modeling

Crossroads West - Stanislaus County - Stanislaus County, Annual

Crossroads West - Stanislaus County
Stanislaus County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	600.00	Student	1.15	50,162.02	0
Junior High School	1,000.00	Student	2.70	117,561.68	0
City Park	42.00	Acre	42.00	1,829,520.00	0
Apartments Low Rise	310.00	Dwelling Unit	10.05	457,680.00	887
Single Family Housing	2,053.00	Dwelling Unit	238.01	3,695,400.00	5872
Regional Shopping Center	550.00	1000sqft	54.00	550,000.00	0
Regional Shopping Center	27.00	1000sqft	5.00	27,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	46
Climate Zone	3			Operational Year	2035
Utility Company	Modesto Irrigation District				
CO2 Intensity (lb/MW hr)	833.46	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Crossroads West - Stanislaus County - Stanislaus County, Annual

Project Characteristics -

Land Use - Based on information provided by the project applicant.

Construction Phase - Based on project size.

Grading - Assume all of project site graded (conservative estimate) = 380.84 acres

Architectural Coating - SJVAPCD Rule 4601. 100 g/L for exterior VOC (non-flat coatings); 50 g/L for interior VOC (flat coatings).

Area Coating - Per SJVAPCD Rule 4601: 50 g/L VOC for interior coatings; 100 g/L VOC for exterior coatings. Parking: 150 g/L.

Construction Off-road Equipment Mitigation - Mitigation Measure - fleet average of Tier 3 Engines for construction equipment.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	100
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	5
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Crossroads West - Stanislaus County - Stanislaus County, Annual

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	240.00	67.00
tblConstructionPhase	NumDays	620.00	65.00
tblConstructionPhase	NumDays	6,200.00	4,173.00
tblConstructionPhase	NumDays	440.00	260.00

Crossroads West - Stanislaus County - Stanislaus County, Annual

tblConstructionPhase	NumDays	440.00	4,216.00
tblGrading	AcresOfGrading	162.50	380.84
tblLandUse	LandUseSquareFeet	310,000.00	457,680.00
tblLandUse	LotAcreage	19.38	10.05
tblLandUse	LotAcreage	666.56	238.01
tblLandUse	LotAcreage	12.63	54.00
tblLandUse	LotAcreage	0.62	5.00
tblWoodstoves	NumberCatalytic	10.05	0.00
tblWoodstoves	NumberCatalytic	238.01	0.00
tblWoodstoves	NumberNoncatalytic	10.05	0.00
tblWoodstoves	NumberNoncatalytic	238.01	0.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

Crossroads West - Stanislaus County - Stanislaus County, Annual

	ROG	NOx	CO	SO2	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					
2019	1.5155	9.2708	7.8213	0.0228	2.0406	0.2914	2.3321	0.7424	0.2708	1.0132	0.0000	2,090.285 4	2,090.285 4	0.2475	0.0000	2,096.473 1
2020	3.3101	15.7160	15.6611	0.0563	3.0897	0.3025	3.3921	0.8347	0.2845	1.1192	0.0000	5,179.250 0	5,179.250 0	0.4051	0.0000	5,189.377 3
2021	2.9727	13.1029	13.1232	0.0530	3.0675	0.1823	3.2498	0.8288	0.1722	1.0009	0.0000	4,883.036 9	4,883.036 9	0.3324	0.0000	4,891.346 5
2022	2.8214	12.2216	12.1254	0.0516	3.0557	0.1565	3.2121	0.8256	0.1478	0.9734	0.0000	4,763.835 9	4,763.835 9	0.3169	0.0000	4,771.757 2
2023	2.6410	9.9729	11.1156	0.0502	3.0557	0.1248	3.1805	0.8256	0.1177	0.9433	0.0000	4,628.235 2	4,628.235 2	0.2558	0.0000	4,634.630 7
2024	2.5663	9.7866	10.5287	0.0495	3.0791	0.1126	3.1918	0.8319	0.1062	0.9381	0.0000	4,568.061 0	4,568.061 0	0.2529	0.0000	4,574.382 3
2025	2.4717	9.4920	9.8690	0.0483	3.0673	0.0993	3.1667	0.8287	0.0936	0.9223	0.0000	4,456.430 8	4,456.430 8	0.2471	0.0000	4,462.609 1
2026	2.4104	9.3809	9.3160	0.0474	3.0673	0.0987	3.1660	0.8287	0.0930	0.9217	0.0000	4,374.167 2	4,374.167 2	0.2432	0.0000	4,380.248 2
2027	2.3524	9.2737	8.8577	0.0465	3.0673	0.0977	3.1650	0.8287	0.0921	0.9208	0.0000	4,298.483 4	4,298.483 4	0.2401	0.0000	4,304.486 7
2028	2.2848	9.1532	8.4279	0.0456	3.0555	0.0963	3.1518	0.8255	0.0908	0.9163	0.0000	4,216.059 4	4,216.059 4	0.2358	0.0000	4,221.954 7
2029	2.2318	9.1062	8.0848	0.0451	3.0672	0.0956	3.1628	0.8287	0.0901	0.9188	0.0000	4,173.564 9	4,173.564 9	0.2336	0.0000	4,179.404 6
2030	2.1621	8.4039	7.7669	0.0451	3.0672	0.0410	3.1082	0.8287	0.0397	0.8684	0.0000	4,162.700 5	4,162.700 5	0.1728	0.0000	4,167.020 6
2031	2.0996	8.3374	7.4505	0.0446	3.0672	0.0401	3.1073	0.8287	0.0389	0.8675	0.0000	4,118.125 5	4,118.125 5	0.1706	0.0000	4,122.391 5
2032	2.0536	8.3109	7.2074	0.0444	3.0789	0.0394	3.1183	0.8318	0.0382	0.8701	0.0000	4,095.851 8	4,095.851 8	0.1690	0.0000	4,100.075 8
2033	1.9921	8.1972	6.9210	0.0437	3.0554	0.0383	3.0937	0.8255	0.0372	0.8627	0.0000	4,032.212 6	4,032.212 6	0.1657	0.0000	4,036.354 4
2034	1.9518	8.1530	6.7024	0.0434	3.0554	0.0376	3.0930	0.8255	0.0366	0.8620	0.0000	4,004.578 8	4,004.578 8	0.1637	0.0000	4,008.672 1
2035	1.4689	5.3469	4.4603	0.0292	2.1012	0.0191	2.1203	0.5674	0.0185	0.5858	0.0000	2,694.710 3	2,694.710 3	0.1079	0.0000	2,697.407 1
Maximum	3.3101	15.7160	15.6611	0.0563	3.0897	0.3025	3.3921	0.8347	0.2845	1.1192	0.0000	5,179.250 0	5,179.250 0	0.4051	0.0000	5,189.377 3

Crossroads West - Stanislaus County - Stanislaus County, Annual

2.1 Overall Construction

Mitigated Construction

Crossroads West - Stanislaus County - Stanislaus County, Annual

	ROG	NOx	CO	SO2	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					
2019	1.1757	7.0945	8.1050	0.0228	1.4289	0.1802	1.6091	0.4605	0.1784	0.6389	0.0000	2,090.2848	2,090.2848	0.2475	0.0000	2,096.4725
2020	3.0279	14.7838	16.0242	0.0563	3.0897	0.2600	3.3497	0.8347	0.2560	1.0907	0.0000	5,179.2494	5,179.2494	0.4051	0.0000	5,189.3767
2021	2.7918	12.6624	13.2946	0.0530	3.0675	0.1752	3.2427	0.8288	0.1726	1.0014	0.0000	4,883.0365	4,883.0365	0.3324	0.0000	4,891.3461
2022	2.6683	12.0342	12.3242	0.0516	3.0557	0.1705	3.2262	0.8256	0.1681	0.9936	0.0000	4,763.8355	4,763.8355	0.3169	0.0000	4,771.7568
2023	2.5069	9.9592	11.3302	0.0502	3.0557	0.1545	3.2101	0.8256	0.1528	0.9783	0.0000	4,628.2348	4,628.2348	0.2558	0.0000	4,634.6303
2024	2.4459	9.9072	10.7552	0.0495	3.0791	0.1551	3.2343	0.8319	0.1535	0.9854	0.0000	4,568.0606	4,568.0606	0.2529	0.0000	4,574.3819
2025	2.3667	9.7488	10.1055	0.0483	3.0673	0.1541	3.2214	0.8287	0.1524	0.9812	0.0000	4,456.4304	4,456.4304	0.2471	0.0000	4,462.6087
2026	2.3054	9.6377	9.5525	0.0474	3.0673	0.1534	3.2207	0.8287	0.1518	0.9805	0.0000	4,374.1668	4,374.1668	0.2432	0.0000	4,380.2478
2027	2.2474	9.5305	9.0942	0.0465	3.0673	0.1525	3.2198	0.8287	0.1510	0.9796	0.0000	4,298.4830	4,298.4830	0.2401	0.0000	4,304.4863
2028	2.1801	9.4090	8.6635	0.0456	3.0555	0.1508	3.2063	0.8255	0.1494	0.9749	0.0000	4,216.0590	4,216.0590	0.2358	0.0000	4,221.9543
2029	2.1267	9.3630	8.3213	0.0451	3.0672	0.1503	3.2176	0.8287	0.1490	0.9776	0.0000	4,173.5645	4,173.5645	0.2336	0.0000	4,179.4042
2030	2.0699	9.2903	7.9955	0.0451	3.0672	0.1494	3.2166	0.8287	0.1481	0.9767	0.0000	4,162.7001	4,162.7001	0.1728	0.0000	4,167.0201
2031	2.0074	9.2238	7.6791	0.0446	3.0672	0.1484	3.2156	0.8287	0.1472	0.9759	0.0000	4,118.1251	4,118.1251	0.1706	0.0000	4,122.3911
2032	1.9610	9.2007	7.4368	0.0444	3.0789	0.1481	3.2271	0.8318	0.1470	0.9788	0.0000	4,095.8514	4,095.8514	0.1690	0.0000	4,100.0753
2033	1.9003	9.0802	7.1487	0.0437	3.0554	0.1462	3.2016	0.8255	0.1452	0.9706	0.0000	4,032.2121	4,032.2121	0.1657	0.0000	4,036.3539
2034	1.8599	9.0360	6.9301	0.0434	3.0554	0.1455	3.2009	0.8255	0.1445	0.9699	0.0000	4,004.5784	4,004.5784	0.1637	0.0000	4,008.6716
2035	1.4156	6.0228	4.6163	0.0292	2.1012	0.0987	2.1999	0.5674	0.0980	0.6654	0.0000	2,694.7100	2,694.7100	0.1079	0.0000	2,697.4068
Maximum	3.0279	14.7838	16.0242	0.0563	3.0897	0.2600	3.3497	0.8347	0.2560	1.0907	0.0000	5,179.2494	5,179.2494	0.4051	0.0000	5,189.3767

Crossroads West - Stanislaus County - Stanislaus County, Annual

	ROG	NOx	CO	SO2	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	5.72	-1.69	-2.53	0.00	1.22	-43.77	-0.40	2.05	-50.73	-3.97	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)
5	3-1-2019	5-31-2019	1.6451	0.6623
6	6-1-2019	8-31-2019	1.9640	1.0398
7	9-1-2019	11-30-2019	5.3905	4.9333
8	12-1-2019	2-29-2020	5.0978	4.7175
9	3-1-2020	5-31-2020	4.9523	4.6079
10	6-1-2020	8-31-2020	4.9172	4.5766
11	9-1-2020	11-30-2020	4.4115	4.1867
12	12-1-2020	2-28-2021	4.1280	3.9511
13	3-1-2021	5-31-2021	4.0568	3.9003
14	6-1-2021	8-31-2021	4.0430	3.8865
15	9-1-2021	11-30-2021	4.0263	3.8715
16	12-1-2021	2-28-2022	3.8351	3.7272
17	3-1-2022	5-31-2022	3.8114	3.7254
18	6-1-2022	8-31-2022	3.7997	3.7137
19	9-1-2022	11-30-2022	3.7814	3.6963
20	12-1-2022	2-28-2023	3.3557	3.3028
21	3-1-2023	5-31-2023	3.2032	3.1658
22	6-1-2023	8-31-2023	3.1956	3.1583
23	9-1-2023	11-30-2023	3.1757	3.1388
24	12-1-2023	2-29-2024	3.1227	3.1102
25	3-1-2024	5-31-2024	3.1119	3.1119
26	6-1-2024	8-31-2024	3.1049	3.1050

Crossroads West - Stanislaus County - Stanislaus County, Annual

27	9-1-2024	11-30-2024	3.0848	3.0849
28	12-1-2024	2-28-2025	3.0009	3.0254
29	3-1-2025	5-31-2025	3.0245	3.0627
30	6-1-2025	8-31-2025	3.0181	3.0563
31	9-1-2025	11-30-2025	2.9979	3.0357
32	12-1-2025	2-28-2026	2.9421	2.9794
33	3-1-2026	5-31-2026	2.9799	3.0181
34	6-1-2026	8-31-2026	2.9739	3.0121
35	9-1-2026	11-30-2026	2.9535	2.9913
36	12-1-2026	2-28-2027	2.8990	2.9364
37	3-1-2027	5-31-2027	2.9373	2.9755
38	6-1-2027	8-31-2027	2.9317	2.9699
39	9-1-2027	11-30-2027	2.9109	2.9487
40	12-1-2027	2-29-2028	2.8915	2.9293
41	3-1-2028	5-31-2028	2.8999	2.9381
42	6-1-2028	8-31-2028	2.8945	2.9327
43	9-1-2028	11-30-2028	2.8735	2.9113
44	12-1-2028	2-28-2029	2.8226	2.8600
45	3-1-2029	5-31-2029	2.8624	2.9006
46	6-1-2029	8-31-2029	2.8574	2.8956
47	9-1-2029	11-30-2029	2.8361	2.8739
48	12-1-2029	2-28-2030	2.6840	2.8251
49	3-1-2030	5-31-2030	2.6668	2.8668
50	6-1-2030	8-31-2030	2.6621	2.8621
51	9-1-2030	11-30-2030	2.6425	2.8402
52	12-1-2030	2-28-2031	2.5959	2.7915
53	3-1-2031	5-31-2031	2.6330	2.8329

Crossroads West - Stanislaus County - Stanislaus County, Annual

54	6-1-2031	8-31-2031	2.6285	2.8285
55	9-1-2031	11-30-2031	2.6087	2.8065
56	12-1-2031	2-29-2032	2.5935	2.7913
57	3-1-2032	5-31-2032	2.6036	2.8035
58	6-1-2032	8-31-2032	2.5993	2.7993
59	9-1-2032	11-30-2032	2.5794	2.7772
60	12-1-2032	2-28-2033	2.5386	2.7342
61	3-1-2033	5-31-2033	2.5782	2.7782
62	6-1-2033	8-31-2033	2.5742	2.7742
63	9-1-2033	11-30-2033	2.5542	2.7519
64	12-1-2033	2-28-2034	2.5155	2.7111
65	3-1-2034	5-31-2034	2.5558	2.7557
66	6-1-2034	8-31-2034	2.5518	2.7517
67	9-1-2034	11-30-2034	2.5319	2.7297
68	12-1-2034	2-28-2035	2.4749	2.6911
69	3-1-2035	5-31-2035	2.5044	2.7364
70	6-1-2035	8-31-2035	2.4535	2.6809
71	9-1-2035	9-30-2035	0.1127	0.1185
		Highest	5.3905	4.9333

Crossroads West - Stanislaus County - Stanislaus County, Annual

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	21.6135	1.0858	17.8803	6.5700e-003		0.1688	0.1688		0.1688	0.1688	0.0000	1,052.3691	1,052.3691	0.0470	0.0188	1,059.1369
Energy	0.3691	3.1843	1.5660	0.0201		0.2550	0.2550		0.2550	0.2550	0.0000	13,223.0946	13,223.0946	0.4030	0.1359	13,273.6561
Mobile	7.2846	94.3454	72.0764	0.5196	41.3375	0.2266	41.5641	11.0972	0.2119	11.3092	0.0000	48,423.8753	48,423.8753	2.8502	0.0000	48,495.1299
Waste						0.0000	0.0000		0.0000	0.0000	641.0414	0.0000	641.0414	37.8845	0.0000	1,588.1529
Water						0.0000	0.0000		0.0000	0.0000	63.6340	652.8110	716.4450	6.5585	0.1590	927.7978
Total	29.2672	98.6155	91.5227	0.5463	41.3375	0.6504	41.9880	11.0972	0.6358	11.7330	704.6754	63,352.1500	64,056.8254	47.7432	0.3137	65,343.8736

Crossroads West - Stanislaus County - Stanislaus County, Annual

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	21.6135	1.0858	17.8803	6.5700e-003		0.1688	0.1688		0.1688	0.1688	0.0000	1,052.3691	1,052.3691	0.0470	0.0188	1,059.1369
Energy	0.3691	3.1843	1.5660	0.0201		0.2550	0.2550		0.2550	0.2550	0.0000	12,848.2903	12,848.2903	0.3900	0.1332	12,897.7217
Mobile	7.0068	91.9625	66.7020	0.4777	37.3071	0.2073	37.5144	10.0153	0.1939	10.2091	0.0000	44,532.2601	44,532.2601	2.7925	0.0000	44,602.0726
Waste						0.0000	0.0000		0.0000	0.0000	641.0414	0.0000	641.0414	37.8845	0.0000	1,588.1529
Water						0.0000	0.0000		0.0000	0.0000	63.6340	604.3105	667.9445	6.5569	0.1587	879.1510
Total	28.9894	96.2327	86.1483	0.5044	37.3071	0.6311	37.9383	10.0153	0.6177	10.6330	704.6754	59,037.2300	59,741.9054	47.6708	0.3106	61,026.2350

	ROG	NOx	CO	SO2	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	0.95	2.42	5.87	7.67	9.75	2.97	9.64	9.75	2.84	9.38	0.00	6.81	6.74	0.15	0.97	6.61

3.0 Construction Detail

Construction Phase

Crossroads West - Stanislaus County - Stanislaus County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2019	6/3/2019	5	67	
2	Grading	Grading	6/2/2019	8/30/2019	5	65	
3	Building Construction	Building Construction	9/1/2019	8/29/2035	5	4173	
4	Paving	Paving	9/1/2019	8/28/2020	5	260	
5	Architectural Coating	Architectural Coating	9/1/2019	10/29/2035	5	4216	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 380.84

Acres of Paving: 0

Residential Indoor: 8,409,987; Residential Outdoor: 2,803,329; Non-Residential Indoor: 1,117,086; Non-Residential Outdoor: 372,362; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Crossroads West - Stanislaus County - Stanislaus County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,986.00	675.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	397.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.6052	0.0000	0.6052	0.3327	0.0000	0.3327	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1452	1.5267	0.7391	1.2700e-003		0.0801	0.0801		0.0737	0.0737	0.0000	114.4651	114.4651	0.0362	0.0000	115.3705
Total	0.1452	1.5267	0.7391	1.2700e-003	0.6052	0.0801	0.6853	0.3327	0.0737	0.4064	0.0000	114.4651	114.4651	0.0362	0.0000	115.3705

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.2 Site Preparation - 2019

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	2.9700e-003	2.0800e-003	0.0218	5.0000e-005	4.8200e-003	4.0000e-005	4.8600e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.5731	4.5731	1.6000e-004	0.0000	4.5771
Total	2.9700e-003	2.0800e-003	0.0218	5.0000e-005	4.8200e-003	4.0000e-005	4.8600e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.5731	4.5731	1.6000e-004	0.0000	4.5771

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					0.2360	0.0000	0.2360	0.1297	0.0000	0.1297	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0312	0.6387	0.7692	1.2700e-003		0.0317	0.0317		0.0317	0.0317	0.0000	114.4650	114.4650	0.0362	0.0000	115.3704
Total	0.0312	0.6387	0.7692	1.2700e-003	0.2360	0.0317	0.2677	0.1297	0.0317	0.1614	0.0000	114.4650	114.4650	0.0362	0.0000	115.3704

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.2 Site Preparation - 2019

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	2.9700e-003	2.0800e-003	0.0218	5.0000e-005	4.8200e-003	4.0000e-005	4.8600e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.5731	4.5731	1.6000e-004	0.0000	4.5771
Total	2.9700e-003	2.0800e-003	0.0218	5.0000e-005	4.8200e-003	4.0000e-005	4.8600e-003	1.2800e-003	4.0000e-005	1.3200e-003	0.0000	4.5731	4.5731	1.6000e-004	0.0000	4.5771

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3977	0.0000	0.3977	0.1294	0.0000	0.1294	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1540	1.7719	1.0847	2.0200e-003		0.0774	0.0774		0.0712	0.0712	0.0000	181.0293	181.0293	0.0573	0.0000	182.4612
Total	0.1540	1.7719	1.0847	2.0200e-003	0.3977	0.0774	0.4751	0.1294	0.0712	0.2006	0.0000	181.0293	181.0293	0.0573	0.0000	182.4612

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.3 Grading - 2019

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	3.2000e-003	2.2500e-003	0.0235	5.0000e-005	5.1900e-003	4.0000e-005	5.2300e-003	1.3800e-003	4.0000e-005	1.4200e-003	0.0000	4.9295	4.9295	1.7000e-004	0.0000	4.9338
Total	3.2000e-003	2.2500e-003	0.0235	5.0000e-005	5.1900e-003	4.0000e-005	5.2300e-003	1.3800e-003	4.0000e-005	1.4200e-003	0.0000	4.9295	4.9295	1.7000e-004	0.0000	4.9338

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					0.1551	0.0000	0.1551	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0495	0.9743	1.1935	2.0200e-003		0.0422	0.0422		0.0422	0.0422	0.0000	181.0291	181.0291	0.0573	0.0000	182.4610
Total	0.0495	0.9743	1.1935	2.0200e-003	0.1551	0.0422	0.1973	0.0505	0.0422	0.0927	0.0000	181.0291	181.0291	0.0573	0.0000	182.4610

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.3 Grading - 2019

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	3.2000e-003	2.2500e-003	0.0235	5.0000e-005	5.1900e-003	4.0000e-005	5.2300e-003	1.3800e-003	4.0000e-005	1.4200e-003	0.0000	4.9295	4.9295	1.7000e-004	0.0000	4.9338
Total	3.2000e-003	2.2500e-003	0.0235	5.0000e-005	5.1900e-003	4.0000e-005	5.2300e-003	1.3800e-003	4.0000e-005	1.4200e-003	0.0000	4.9295	4.9295	1.7000e-004	0.0000	4.9338

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1027	0.9169	0.7466	1.1700e-003		0.0561	0.0561		0.0528	0.0528	0.0000	102.2703	102.2703	0.0249	0.0000	102.8932
Total	0.1027	0.9169	0.7466	1.1700e-003		0.0561	0.0561		0.0528	0.0528	0.0000	102.2703	102.2703	0.0249	0.0000	102.8932

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2019

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	0.1389	3.9477	0.7207	8.3300e-003	0.1943	0.0296	0.2239	0.0561	0.0284	0.0845	0.0000	791.7466	791.7466	0.0721	0.0000	793.5486
Worker	0.4257	0.2984	3.1196	7.2600e-003	0.6903	5.4800e-003	0.6957	0.1835	5.0500e-003	0.1885	0.0000	655.1794	655.1794	0.0228	0.0000	655.7503
Total	0.5646	4.2461	3.8404	0.0156	0.8846	0.0351	0.9197	0.2396	0.0334	0.2730	0.0000	1,446.9260	1,446.9260	0.0949	0.0000	1,449.2989

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	0.0293	0.6188	0.7775	1.1700e-003		0.0393	0.0393		0.0393	0.0393	0.0000	102.2702	102.2702	0.0249	0.0000	102.8931
Total	0.0293	0.6188	0.7775	1.1700e-003		0.0393	0.0393		0.0393	0.0393	0.0000	102.2702	102.2702	0.0249	0.0000	102.8931

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2019

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	0.1389	3.9477	0.7207	8.3300e-003	0.1943	0.0296	0.2239	0.0561	0.0284	0.0845	0.0000	791.7466	791.7466	0.0721	0.0000	793.5486
Worker	0.4257	0.2984	3.1196	7.2600e-003	0.6903	5.4800e-003	0.6957	0.1835	5.0500e-003	0.1885	0.0000	655.1794	655.1794	0.0228	0.0000	655.7503
Total	0.5646	4.2461	3.8404	0.0156	0.8846	0.0351	0.9197	0.2396	0.0334	0.2730	0.0000	1,446.9260	1,446.9260	0.0949	0.0000	1,449.2989

3.4 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	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596
Total	0.2777	2.5134	2.2072	3.5300e-003		0.1463	0.1463		0.1376	0.1376	0.0000	303.4091	303.4091	0.0740	0.0000	305.2596

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2020

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	0.3330	10.8115	1.8597	0.0249	0.5851	0.0573	0.6424	0.1690	0.0548	0.2238	0.0000	2,364.5048	2,364.5048	0.2003	0.0000	2,369.5111
Worker	1.1677	0.7917	8.3717	0.0212	2.0787	0.0160	2.0946	0.5525	0.0147	0.5672	0.0000	1,912.7481	1,912.7481	0.0599	0.0000	1,914.2462
Total	1.5007	11.6032	10.2314	0.0461	2.6638	0.0732	2.7370	0.7215	0.0695	0.7910	0.0000	4,277.2529	4,277.2529	0.2602	0.0000	4,283.7573

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	0.0883	1.8636	2.3415	3.5300e-003		0.1184	0.1184		0.1184	0.1184	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592
Total	0.0883	1.8636	2.3415	3.5300e-003		0.1184	0.1184		0.1184	0.1184	0.0000	303.4087	303.4087	0.0740	0.0000	305.2592

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2020

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	0.3330	10.8115	1.8597	0.0249	0.5851	0.0573	0.6424	0.1690	0.0548	0.2238	0.0000	2,364.5048	2,364.5048	0.2003	0.0000	2,369.5111
Worker	1.1677	0.7917	8.3717	0.0212	2.0787	0.0160	2.0946	0.5525	0.0147	0.5672	0.0000	1,912.7481	1,912.7481	0.0599	0.0000	1,914.2462
Total	1.5007	11.6032	10.2314	0.0461	2.6638	0.0732	2.7370	0.7215	0.0695	0.7910	0.0000	4,277.2529	4,277.2529	0.2602	0.0000	4,283.7573

3.4 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	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099
Total	0.2481	2.2749	2.1631	3.5100e-003		0.1251	0.1251		0.1176	0.1176	0.0000	302.2867	302.2867	0.0729	0.0000	304.1099

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 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	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	0.2687	9.7854	1.6074	0.0245	0.5828	0.0264	0.6092	0.1683	0.0252	0.1935	0.0000	2,333.3503	2,333.3503	0.1929	0.0000	2,338.1720
Worker	1.0737	0.7029	7.5969	0.0204	2.0708	0.0155	2.0862	0.5504	0.0142	0.5646	0.0000	1,845.2215	1,845.2215	0.0536	0.0000	1,846.5612
Total	1.3424	10.4883	9.2043	0.0450	2.6536	0.0418	2.6954	0.7187	0.0394	0.7582	0.0000	4,178.5719	4,178.5719	0.2465	0.0000	4,184.7333

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	0.0879	1.8565	2.3325	3.5100e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095
Total	0.0879	1.8565	2.3325	3.5100e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.2863	302.2863	0.0729	0.0000	304.1095

Crossroads West - Stanislaus County - Stanislaus County, Summer

Crossroads West - Stanislaus County
Stanislaus County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	600.00	Student	1.15	50,162.02	0
Junior High School	1,000.00	Student	2.70	117,561.68	0
City Park	42.00	Acre	42.00	1,829,520.00	0
Apartments Low Rise	310.00	Dwelling Unit	10.05	457,680.00	887
Single Family Housing	2,053.00	Dwelling Unit	238.01	3,695,400.00	5872
Regional Shopping Center	550.00	1000sqft	54.00	550,000.00	0
Regional Shopping Center	27.00	1000sqft	5.00	27,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	46
Climate Zone	3			Operational Year	2035
Utility Company	Modesto Irrigation District				
CO2 Intensity (lb/MW hr)	833.46	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Crossroads West - Stanislaus County - Stanislaus County, Summer

Project Characteristics -

Land Use - Based on information provided by the project applicant.

Construction Phase - Based on project size.

Grading - Assume all of project site graded (conservative estimate) = 380.84 acres

Architectural Coating - SJVAPCD Rule 4601. 100 g/L for exterior VOC (non-flat coatings); 50 g/L for interior VOC (flat coatings).

Area Coating - Per SJVAPCD Rule 4601: 50 g/L VOC for interior coatings; 100 g/L VOC for exterior coatings. Parking: 150 g/L.

Construction Off-road Equipment Mitigation - Mitigation Measure - fleet average of Tier 3 Engines for construction equipment.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	100
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	5
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Crossroads West - Stanislaus County - Stanislaus County, Summer

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	240.00	67.00
tblConstructionPhase	NumDays	620.00	65.00
tblConstructionPhase	NumDays	6,200.00	4,173.00
tblConstructionPhase	NumDays	440.00	260.00

Crossroads West - Stanislaus County - Stanislaus County, Summer

tblConstructionPhase	NumDays	440.00	4,216.00
tblGrading	AcresOfGrading	162.50	380.84
tblLandUse	LandUseSquareFeet	310,000.00	457,680.00
tblLandUse	LotAcreage	19.38	10.05
tblLandUse	LotAcreage	666.56	238.01
tblLandUse	LotAcreage	12.63	54.00
tblLandUse	LotAcreage	0.62	5.00
tblWoodstoves	NumberCatalytic	10.05	0.00
tblWoodstoves	NumberCatalytic	238.01	0.00
tblWoodstoves	NumberNoncatalytic	10.05	0.00
tblWoodstoves	NumberNoncatalytic	238.01	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Crossroads West - Stanislaus County - Stanislaus County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	29.3468	135.0563	148.8261	0.4674	30.6141	4.7754	35.3895	13.9946	4.3934	18.3880	0.0000	47,406.46 62	47,406.46 62	3.8765	0.0000	47,503.37 91
2020	27.1527	123.0068	135.5637	0.4589	24.2679	2.5611	26.8290	6.5402	2.4037	8.9440	0.0000	46,481.24 79	46,481.24 79	3.6315	0.0000	46,572.03 50
2021	24.0663	98.9817	110.5440	0.4261	24.1443	1.3934	25.5378	6.5074	1.3162	7.8236	0.0000	43,282.27 53	43,282.27 53	2.7807	0.0000	43,351.79 33
2022	22.8928	92.7517	102.4960	0.4169	24.1440	1.2003	25.3443	6.5073	1.1341	7.6414	0.0000	42,364.78 56	42,364.78 56	2.6557	0.0000	42,431.17 78
2023	21.4257	75.8332	94.2198	0.4048	24.1437	0.9594	25.1031	6.5072	0.9050	7.4122	0.0000	41,142.19 89	41,142.19 89	2.1573	0.0000	41,196.13 00
2024	20.6180	73.8795	88.4955	0.3960	24.1434	0.8593	25.0027	6.5071	0.8101	7.3171	0.0000	40,266.53 43	40,266.53 43	2.1104	0.0000	40,319.29 29
2025	19.8980	71.9567	83.1538	0.3874	24.1431	0.7606	24.9037	6.5070	0.7168	7.2237	0.0000	39,402.73 55	39,402.73 55	2.0657	0.0000	39,454.37 83
2026	19.3624	71.1469	78.3423	0.3798	24.1429	0.7554	24.8983	6.5069	0.7120	7.2188	0.0000	38,648.04 12	38,648.04 12	2.0288	0.0000	38,698.76 06
2027	18.8562	70.3681	74.3824	0.3729	24.1426	0.7485	24.8911	6.5068	0.7055	7.2123	0.0000	37,955.53 38	37,955.53 38	1.9991	0.0000	38,005.51 20
2028	18.3475	69.7470	70.9450	0.3668	24.1424	0.7402	24.8826	6.5067	0.6979	7.2046	0.0000	37,349.39 14	37,349.39 14	1.9678	0.0000	37,398.58 66
2029	17.8143	69.1490	67.7036	0.3615	24.1422	0.7321	24.8743	6.5067	0.6903	7.1970	0.0000	36,812.45 27	36,812.45 27	1.9390	0.0000	36,860.92 80
2030	17.2239	63.7965	64.9485	0.3608	24.1421	0.3140	24.4560	6.5066	0.3041	6.8107	0.0000	36,685.06 07	36,685.06 07	1.4236	0.0000	36,720.65 13
2031	16.6839	63.3147	62.2218	0.3567	24.1419	0.3069	24.4488	6.5065	0.2976	6.8041	0.0000	36,277.76 21	36,277.76 21	1.4033	0.0000	36,312.84 35
2032	16.2168	62.8934	59.8823	0.3532	24.1418	0.3004	24.4422	6.5065	0.2916	6.7981	0.0000	35,931.16 16	35,931.16 16	1.3820	0.0000	35,965.71 23
2033	15.8161	62.5291	57.8716	0.3502	24.1417	0.2945	24.4362	6.5065	0.2861	6.7926	0.0000	35,634.03 70	35,634.03 70	1.3638	0.0000	35,668.13 16
2034	15.4548	62.2085	55.9701	0.3477	24.1416	0.2889	24.4305	6.5064	0.2810	6.7874	0.0000	35,380.35 72	35,380.35 72	1.3461	0.0000	35,414.01 05
2035	15.0365	61.0621	54.3022	0.3455	24.1416	0.2157	24.3572	6.5064	0.2082	6.7146	0.0000	35,165.58 48	35,165.58 48	1.3230	0.0000	35,198.65 93
Maximum	29.3468	135.0563	148.8261	0.4674	30.6141	4.7754	35.3895	13.9946	4.3934	18.3880	0.0000	47,406.46 62	47,406.46 62	3.8765	0.0000	47,503.37 91

Crossroads West - Stanislaus County - Stanislaus County, Summer

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

Crossroads West - Stanislaus County - Stanislaus County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2019	26.5590	123.7763	152.1580	0.4674	24.2683	2.4362	26.7045	6.5404	2.3950	8.9353	0.0000	47,406.46 62	47,406.46 62	3.8765	0.0000	47,503.37 91
2020	24.7284	114.9496	139.2335	0.4589	24.2679	2.1883	26.4562	6.5402	2.1579	8.6981	0.0000	46,481.24 79	46,481.24 79	3.6315	0.0000	46,572.03 49
2021	22.6798	95.6058	111.8575	0.4261	24.1443	1.3393	25.4837	6.5074	1.3195	7.8269	0.0000	43,282.27 53	43,282.27 53	2.7807	0.0000	43,351.79 33
2022	21.7153	91.3106	104.0252	0.4169	24.1440	1.3082	25.4522	6.5073	1.2898	7.7971	0.0000	42,364.78 56	42,364.78 56	2.6557	0.0000	42,431.17 78
2023	20.3946	75.7284	95.8709	0.4048	24.1437	1.1874	25.3311	6.5072	1.1744	7.6816	0.0000	41,142.19 89	41,142.19 89	2.1573	0.0000	41,196.13 00
2024	19.6990	74.8000	90.2247	0.3960	24.1434	1.1837	25.3271	6.5071	1.1709	7.6780	0.0000	40,266.53 43	40,266.53 43	2.1104	0.0000	40,319.29 29
2025	19.0930	73.9246	84.9662	0.3874	24.1431	1.1802	25.3233	6.5070	1.1676	7.6746	0.0000	39,402.73 55	39,402.73 55	2.0657	0.0000	39,454.37 83
2026	18.5574	73.1148	80.1546	0.3798	24.1429	1.1750	25.3179	6.5069	1.1628	7.6697	0.0000	38,648.04 12	38,648.04 12	2.0288	0.0000	38,698.76 06
2027	18.0512	72.3359	76.1948	0.3729	24.1426	1.1680	25.3107	6.5068	1.1564	7.6632	0.0000	37,955.53 38	37,955.53 38	1.9991	0.0000	38,005.51 20
2028	17.5426	71.7148	72.7574	0.3668	24.1424	1.1598	25.3022	6.5067	1.1488	7.6555	0.0000	37,349.39 14	37,349.39 14	1.9678	0.0000	37,398.58 66
2029	17.0093	71.1168	69.5160	0.3615	24.1422	1.1516	25.2939	6.5067	1.1412	7.6479	0.0000	36,812.45 27	36,812.45 27	1.9390	0.0000	36,860.92 80
2030	16.5174	70.5886	66.7000	0.3608	24.1421	1.1441	25.2862	6.5066	1.1343	7.6409	0.0000	36,685.06 07	36,685.06 07	1.4236	0.0000	36,720.65 12
2031	15.9773	70.1069	63.9733	0.3567	24.1419	1.1371	25.2790	6.5065	1.1278	7.6343	0.0000	36,277.76 21	36,277.76 21	1.4033	0.0000	36,312.84 35
2032	15.5102	69.6855	61.6338	0.3532	24.1418	1.1306	25.2724	6.5065	1.1218	7.6283	0.0000	35,931.16 16	35,931.16 16	1.3820	0.0000	35,965.71 23
2033	15.1095	69.3212	59.6231	0.3502	24.1417	1.1247	25.2664	6.5065	1.1163	7.6228	0.0000	35,634.03 70	35,634.03 70	1.3638	0.0000	35,668.13 16
2034	14.7482	69.0006	57.7216	0.3477	24.1416	1.1191	25.2607	6.5064	1.1112	7.6176	0.0000	35,380.35 72	35,380.35 72	1.3461	0.0000	35,414.01 05
2035	14.4351	68.7261	56.0963	0.3455	24.1416	1.1140	25.2555	6.5064	1.1065	7.6129	0.0000	35,165.58 48	35,165.58 48	1.3230	0.0000	35,198.65 93
Maximum	26.5590	123.7763	152.1580	0.4674	24.2683	2.4362	26.7045	6.5404	2.3950	8.9353	0.0000	47,406.46 62	47,406.46 62	3.8765	0.0000	47,503.37 91

Crossroads West - Stanislaus County - Stanislaus County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	5.32	-2.12	-2.33	0.00	1.52	-29.30	0.30	6.31	-36.21	1.20	0.00	0.00	0.00	0.00	0.00	0.00

Crossroads West - Stanislaus County - Stanislaus County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.51 47	27,873.51 47	0.8629	0.5046	28,045.44 95
Energy	2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.89 36	22,060.89 36	0.4228	0.4045	22,191.99 05
Mobile	55.9510	595.0442	494.2585	3.4315	265.6174	1.4185	267.0359	71.1429	1.3266	72.4695		352,147.2 234	352,147.2 234	19.2048		352,627.3 442
Total	181.3141	636.2948	706.5041	3.6897	265.6174	5.6407	271.2581	71.1429	5.5488	76.6916	0.0000	402,081.6 318	402,081.6 318	20.4906	0.9090	402,864.7 842

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.51 47	27,873.51 47	0.8629	0.5046	28,045.44 95
Energy	2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.89 36	22,060.89 36	0.4228	0.4045	22,191.99 05
Mobile	54.1745	580.9278	454.7945	3.1558	239.7197	1.2977	241.0175	64.2064	1.2135	65.4199		323,960.5 471	323,960.5 471	18.7878		324,430.2 421
Total	179.5377	622.1784	667.0401	3.4140	239.7197	5.5199	245.2396	64.2064	5.4356	69.6420	0.0000	373,894.9 554	373,894.9 554	20.0736	0.9090	374,667.6 821

Crossroads West - Stanislaus County - Stanislaus County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.98	2.22	5.59	7.47	9.75	2.14	9.59	9.75	2.04	9.19	0.00	7.01	7.01	2.04	0.00	7.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2019	6/3/2019	5	67	
2	Grading	Grading	6/2/2019	8/30/2019	5	65	
3	Building Construction	Building Construction	9/1/2019	8/29/2035	5	4173	
4	Paving	Paving	9/1/2019	8/28/2020	5	260	
5	Architectural Coating	Architectural Coating	9/1/2019	10/29/2035	5	4216	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 380.84

Acres of Paving: 0

Residential Indoor: 8,409,987; Residential Outdoor: 2,803,329; Non-Residential Indoor: 1,117,086; Non-Residential Outdoor: 372,362; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Crossroads West - Stanislaus County - Stanislaus County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,986.00	675.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	397.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.2 Site Preparation - 2019

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	0.1005	0.0571	0.7485	1.6600e-003	0.1479	1.1400e-003	0.1490	0.0392	1.0500e-003	0.0403		164.8218	164.8218	5.8000e-003		164.9669
Total	0.1005	0.0571	0.7485	1.6600e-003	0.1479	1.1400e-003	0.1490	0.0392	1.0500e-003	0.0403		164.8218	164.8218	5.8000e-003		164.9669

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.2 Site Preparation - 2019

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	0.1005	0.0571	0.7485	1.6600e-003	0.1479	1.1400e-003	0.1490	0.0392	1.0500e-003	0.0403		164.8218	164.8218	5.8000e-003		164.9669
Total	0.1005	0.0571	0.7485	1.6600e-003	0.1479	1.1400e-003	0.1490	0.0392	1.0500e-003	0.0403		164.8218	164.8218	5.8000e-003		164.9669

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.2356	0.0000	12.2356	3.9812	0.0000	3.9812			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	12.2356	2.3827	14.6183	3.9812	2.1920	6.1732		6,140.0195	6,140.0195	1.9426		6,188.5854

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.3 Grading - 2019

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	0.1117	0.0634	0.8317	1.8400e-003	0.1643	1.2700e-003	0.1656	0.0436	1.1700e-003	0.0448		183.1354	183.1354	6.4500e-003		183.2965
Total	0.1117	0.0634	0.8317	1.8400e-003	0.1643	1.2700e-003	0.1656	0.0436	1.1700e-003	0.0448		183.1354	183.1354	6.4500e-003		183.2965

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					4.7719	0.0000	4.7719	1.5527	0.0000	1.5527			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		1.2994	1.2994		1.2994	1.2994	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	1.5231	29.9782	36.7226	0.0620	4.7719	1.2994	6.0713	1.5527	1.2994	2.8521	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.3 Grading - 2019

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	0.1117	0.0634	0.8317	1.8400e-003	0.1643	1.2700e-003	0.1656	0.0436	1.1700e-003	0.0448		183.1354	183.1354	6.4500e-003		183.2965
Total	0.1117	0.0634	0.8317	1.8400e-003	0.1643	1.2700e-003	0.1656	0.0436	1.1700e-003	0.0448		183.1354	183.1354	6.4500e-003		183.2965

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.1496	89.2912	15.4408	0.1939	4.5693	0.6760	5.2453	1.3153	0.6467	1.9620		20,318.5067	20,318.5067	1.7344		20,361.8658
Worker	11.0869	6.2999	82.5833	0.1829	16.3145	0.1261	16.4406	4.3274	0.1162	4.4435		18,185.3405	18,185.3405	0.6402		18,201.3444
Total	14.2365	95.5911	98.0241	0.3767	20.8838	0.8021	21.6859	5.6426	0.7629	6.4056		38,503.8472	38,503.8472	2.3745		38,563.2102

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.1496	89.2912	15.4408	0.1939	4.5693	0.6760	5.2453	1.3153	0.6467	1.9620		20,318.5067	20,318.5067	1.7344		20,361.8658
Worker	11.0869	6.2999	82.5833	0.1829	16.3145	0.1261	16.4406	4.3274	0.1162	4.4435		18,185.3405	18,185.3405	0.6402		18,201.3444
Total	14.2365	95.5911	98.0241	0.3767	20.8838	0.8021	21.6859	5.6426	0.7629	6.4056		38,503.8472	38,503.8472	2.3745		38,563.2102

3.4 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	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.5019	81.3641	13.1699	0.1923	4.5689	0.4332	5.0021	1.3151	0.4144	1.7296		20,150.7757	20,150.7757	1.5981		20,190.7284
Worker	10.1072	5.5549	73.7601	0.1772	16.3145	0.1218	16.4363	4.3274	0.1122	4.4396		17,630.7007	17,630.7007	0.5588		17,644.6702
Total	12.6091	86.9190	86.9300	0.3694	20.8835	0.5550	21.4385	5.6425	0.5266	6.1691		37,781.4764	37,781.4764	2.1569		37,835.3985

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.5019	81.3641	13.1699	0.1923	4.5689	0.4332	5.0021	1.3151	0.4144	1.7296		20,150.7757	20,150.7757	1.5981		20,190.7284
Worker	10.1072	5.5549	73.7601	0.1772	16.3145	0.1218	16.4363	4.3274	0.1122	4.4396		17,630.7007	17,630.7007	0.5588		17,644.6702
Total	12.6091	86.9190	86.9300	0.3694	20.8835	0.5550	21.4385	5.6425	0.5266	6.1691		37,781.4764	37,781.4764	2.1569		37,835.3985

3.4 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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 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	2.0211	74.0809	11.3719	0.1904	4.5686	0.1986	4.7672	1.3150	0.1900	1.5050		19,961.6505	19,961.6505	1.5433		20,000.2318
Worker	9.3318	4.9519	67.3218	0.1715	16.3145	0.1184	16.4329	4.3274	0.1090	4.4364		17,072.9435	17,072.9435	0.5018		17,085.4891
Total	11.3528	79.0329	78.6937	0.3619	20.8831	0.3170	21.2001	5.6424	0.2990	5.9414		37,034.5939	37,034.5939	2.0451		37,085.7209

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 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	2.0211	74.0809	11.3719	0.1904	4.5686	0.1986	4.7672	1.3150	0.1900	1.5050		19,961.6505	19,961.6505	1.5433		20,000.2318
Worker	9.3318	4.9519	67.3218	0.1715	16.3145	0.1184	16.4329	4.3274	0.1090	4.4364		17,072.9435	17,072.9435	0.5018		17,085.4891
Total	11.3528	79.0329	78.6937	0.3619	20.8831	0.3170	21.2001	5.6424	0.2990	5.9414		37,034.5939	37,034.5939	2.0451		37,085.7209

3.4 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 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	1.8800	70.4161	10.5182	0.1886	4.5682	0.1720	4.7402	1.3149	0.1645	1.4794		19,773.92 46	19,773.92 46	1.4869		19,811.09 65
Worker	8.6455	4.4266	61.5059	0.1653	16.3145	0.1147	16.4292	4.3274	0.1056	4.4330		16,463.94 78	16,463.94 78	0.4488		16,475.16 84
Total	10.5255	74.8427	72.0240	0.3540	20.8827	0.2866	21.1694	5.6423	0.2701	5.9124		36,237.87 24	36,237.87 24	1.9357		36,286.26 49

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 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	1.8800	70.4161	10.5182	0.1886	4.5682	0.1720	4.7402	1.3149	0.1645	1.4794		19,773.92 46	19,773.92 46	1.4869		19,811.09 65
Worker	8.6455	4.4266	61.5059	0.1653	16.3145	0.1147	16.4292	4.3274	0.1056	4.4330		16,463.94 78	16,463.94 78	0.4488		16,475.16 84
Total	10.5255	74.8427	72.0240	0.3540	20.8827	0.2866	21.1694	5.6423	0.2701	5.9124		36,237.87 24	36,237.87 24	1.9357		36,286.26 49

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.209 9	2,555.209 9	0.6079		2,570.406 1

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2023

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	1.3045	55.3900	8.7208	0.1840	4.5679	0.0550	4.6229	1.3148	0.0526	1.3673		19,289.68 67	19,289.68 67	1.0516		19,315.97 54
Worker	8.0244	3.9631	56.2080	0.1591	16.3145	0.1115	16.4261	4.3274	0.1027	4.4301		15,847.87 51	15,847.87 51	0.4009		15,857.89 71
Total	9.3289	59.3531	64.9288	0.3431	20.8824	0.1665	21.0489	5.6421	0.1553	5.7974		35,137.56 19	35,137.56 19	1.4524		35,173.87 25

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.209 9	2,555.209 9	0.6079		2,570.406 1

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2023

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	1.3045	55.3900	8.7208	0.1840	4.5679	0.0550	4.6229	1.3148	0.0526	1.3673		19,289.68 67	19,289.68 67	1.0516		19,315.97 54
Worker	8.0244	3.9631	56.2080	0.1591	16.3145	0.1115	16.4261	4.3274	0.1027	4.4301		15,847.87 51	15,847.87 51	0.4009		15,857.89 71
Total	9.3289	59.3531	64.9288	0.3431	20.8824	0.1665	21.0489	5.6421	0.1553	5.7974		35,137.56 19	35,137.56 19	1.4524		35,173.87 25

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.698 9	2,555.698 9	0.6044		2,570.807 7

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2024

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	1.2660	54.9429	8.2577	0.1826	4.5676	0.0542	4.6218	1.3147	0.0518	1.3665		19,145.32 17	19,145.32 17	1.0574		19,171.75 71
Worker	7.4768	3.5620	51.8884	0.1529	16.3145	0.1091	16.4236	4.3274	0.1004	4.4278		15,238.00 02	15,238.00 02	0.3606		15,247.01 62
Total	8.7428	58.5049	60.1461	0.3356	20.8821	0.1632	21.0454	5.6420	0.1522	5.7942		34,383.32 18	34,383.32 18	1.4181		34,418.77 32

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.698 9	2,555.698 9	0.6044		2,570.807 7

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2024

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	1.2660	54.9429	8.2577	0.1826	4.5676	0.0542	4.6218	1.3147	0.0518	1.3665		19,145.32 17	19,145.32 17	1.0574		19,171.75 71
Worker	7.4768	3.5620	51.8884	0.1529	16.3145	0.1091	16.4236	4.3274	0.1004	4.4278		15,238.00 02	15,238.00 02	0.3606		15,247.01 62
Total	8.7428	58.5049	60.1461	0.3356	20.8821	0.1632	21.0454	5.6420	0.1522	5.7942		34,383.32 18	34,383.32 18	1.4181		34,418.77 32

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2025

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	1.2342	54.4813	7.9001	0.1813	4.5673	0.0534	4.6207	1.3146	0.0511	1.3656		19,009.94 40	19,009.94 40	1.0594		19,036.42 97
Worker	6.9983	3.2172	47.8039	0.1468	16.3145	0.1068	16.4213	4.3274	0.0983	4.4257		14,630.28 54	14,630.28 54	0.3250		14,638.41 06
Total	8.2325	57.6984	55.7040	0.3281	20.8819	0.1602	21.0420	5.6419	0.1494	5.7913		33,640.22 94	33,640.22 94	1.3844		33,674.84 04

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2025

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	1.2342	54.4813	7.9001	0.1813	4.5673	0.0534	4.6207	1.3146	0.0511	1.3656		19,009.94 40	19,009.94 40	1.0594		19,036.42 97
Worker	6.9983	3.2172	47.8039	0.1468	16.3145	0.1068	16.4213	4.3274	0.0983	4.4257		14,630.28 54	14,630.28 54	0.3250		14,638.41 06
Total	8.2325	57.6984	55.7040	0.3281	20.8819	0.1602	21.0420	5.6419	0.1494	5.7913		33,640.22 94	33,640.22 94	1.3844		33,674.84 04

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2026

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	1.2076	54.0200	7.6275	0.1802	4.5671	0.0526	4.6197	1.3145	0.0503	1.3648		18,887.92 12	18,887.92 12	1.0610		18,914.44 55
Worker	6.5741	2.9268	44.0211	0.1415	16.3145	0.1032	16.4177	4.3274	0.0949	4.4223		14,103.01 48	14,103.01 48	0.2929		14,110.33 85
Total	7.7817	56.9467	51.6487	0.3216	20.8816	0.1558	21.0373	5.6418	0.1452	5.7871		32,990.93 61	32,990.93 61	1.3539		33,024.78 39

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2026

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	1.2076	54.0200	7.6275	0.1802	4.5671	0.0526	4.6197	1.3145	0.0503	1.3648		18,887.92 12	18,887.92 12	1.0610		18,914.44 55
Worker	6.5741	2.9268	44.0211	0.1415	16.3145	0.1032	16.4177	4.3274	0.0949	4.4223		14,103.01 48	14,103.01 48	0.2929		14,110.33 85
Total	7.7817	56.9467	51.6487	0.3216	20.8816	0.1558	21.0373	5.6418	0.1452	5.7871		32,990.93 61	32,990.93 61	1.3539		33,024.78 39

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2027

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	1.1844	53.5544	7.3924	0.1791	4.5668	0.0518	4.6186	1.3144	0.0495	1.3639		18,780.5736	18,780.5736	1.0638		18,807.1683
Worker	6.1716	2.6657	40.9170	0.1366	16.3145	0.0980	16.4126	4.3274	0.0902	4.4176		13,615.3408	13,615.3408	0.2659		13,621.9880
Total	7.3559	56.2200	48.3094	0.3157	20.8814	0.1498	21.0312	5.6418	0.1397	5.7815		32,395.9144	32,395.9144	1.3297		32,429.1563

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2027

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	1.1844	53.5544	7.3924	0.1791	4.5668	0.0518	4.6186	1.3144	0.0495	1.3639		18,780.5736	18,780.5736	1.0638		18,807.1683
Worker	6.1716	2.6657	40.9170	0.1366	16.3145	0.0980	16.4126	4.3274	0.0902	4.4176		13,615.3408	13,615.3408	0.2659		13,621.9880
Total	7.3559	56.2200	48.3094	0.3157	20.8814	0.1498	21.0312	5.6418	0.1397	5.7815		32,395.9144	32,395.9144	1.3297		32,429.1563

3.4 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2028

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	1.1659	53.2108	7.2088	0.1783	4.5666	0.0512	4.6178	1.3143	0.0490	1.3633		18,694.0077	18,694.0077	1.0604		18,720.5172
Worker	5.7631	2.4343	38.2052	0.1322	16.3145	0.0917	16.4062	4.3274	0.0843	4.4117		13,182.3240	13,182.3240	0.2426		13,188.3896
Total	6.9290	55.6452	45.4140	0.3105	20.8812	0.1428	21.0240	5.6417	0.1333	5.7749		31,876.3317	31,876.3317	1.3030		31,908.9068

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2028

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	1.1659	53.2108	7.2088	0.1783	4.5666	0.0512	4.6178	1.3143	0.0490	1.3633		18,694.0077	18,694.0077	1.0604		18,720.5172
Worker	5.7631	2.4343	38.2052	0.1322	16.3145	0.0917	16.4062	4.3274	0.0843	4.4117		13,182.3240	13,182.3240	0.2426		13,188.3896
Total	6.9290	55.6452	45.4140	0.3105	20.8812	0.1428	21.0240	5.6417	0.1333	5.7749		31,876.3317	31,876.3317	1.3030		31,908.9068

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2029

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	1.1479	52.8690	7.0363	0.1776	4.5665	0.0505	4.6169	1.3142	0.0483	1.3625		18,618.0869	18,618.0869	1.0578		18,644.5316
Worker	5.3337	2.2208	35.6476	0.1283	16.3145	0.0854	16.4000	4.3274	0.0786	4.4060		12,798.1101	12,798.1101	0.2208		12,803.6298
Total	6.4816	55.0899	42.6839	0.3059	20.8810	0.1359	21.0169	5.6416	0.1269	5.7685		31,416.1971	31,416.1971	1.2786		31,448.1615

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2029

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	1.1479	52.8690	7.0363	0.1776	4.5665	0.0505	4.6169	1.3142	0.0483	1.3625		18,618.0869	18,618.0869	1.0578		18,644.5316
Worker	5.3337	2.2208	35.6476	0.1283	16.3145	0.0854	16.4000	4.3274	0.0786	4.4060		12,798.1101	12,798.1101	0.2208		12,803.6298
Total	6.4816	55.0899	42.6839	0.3059	20.8810	0.1359	21.0169	5.6416	0.1269	5.7685		31,416.1971	31,416.1971	1.2786		31,448.1615

3.4 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2030

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	1.1337	52.5664	6.9058	0.1770	4.5663	0.0498	4.6161	1.3142	0.0477	1.3618		18,557.0962	18,557.0962	1.0539		18,583.4429
Worker	4.9355	2.0328	33.4095	0.1249	16.3145	0.0797	16.3943	4.3274	0.0733	4.4007		12,458.5202	12,458.5202	0.2018		12,463.5648
Total	6.0692	54.5992	40.3152	0.3019	20.8808	0.1296	21.0104	5.6416	0.1210	5.7626		31,015.6165	31,015.6165	1.2557		31,047.0077

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2030

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	1.1337	52.5664	6.9058	0.1770	4.5663	0.0498	4.6161	1.3142	0.0477	1.3618		18,557.0962	18,557.0962	1.0539		18,583.4429
Worker	4.9355	2.0328	33.4095	0.1249	16.3145	0.0797	16.3943	4.3274	0.0733	4.4007		12,458.5202	12,458.5202	0.2018		12,463.5648
Total	6.0692	54.5992	40.3152	0.3019	20.8808	0.1296	21.0104	5.6416	0.1210	5.7626		31,015.6165	31,015.6165	1.2557		31,047.0077

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2031

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	1.1225	52.3044	6.8010	0.1766	4.5662	0.0493	4.6155	1.3141	0.0472	1.3613		18,509.7601	18,509.7601	1.0554		18,536.1445
Worker	4.4948	1.8497	31.2244	0.1219	16.3145	0.0743	16.3888	4.3274	0.0683	4.3957		12,158.5264	12,158.5264	0.1836		12,163.1152
Total	5.6172	54.1541	38.0254	0.2984	20.8807	0.1236	21.0043	5.6415	0.1155	5.7570		30,668.2864	30,668.2864	1.2389		30,699.2597

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2031

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	1.1225	52.3044	6.8010	0.1766	4.5662	0.0493	4.6155	1.3141	0.0472	1.3613		18,509.7601	18,509.7601	1.0554		18,536.1445
Worker	4.4948	1.8497	31.2244	0.1219	16.3145	0.0743	16.3888	4.3274	0.0683	4.3957		12,158.5264	12,158.5264	0.1836		12,163.1152
Total	5.6172	54.1541	38.0254	0.2984	20.8807	0.1236	21.0043	5.6415	0.1155	5.7570		30,668.2864	30,668.2864	1.2389		30,699.2597

3.4 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2032

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	1.1139	52.0688	6.7273	0.1763	4.5660	0.0489	4.6149	1.3141	0.0467	1.3608		18,478.2955	18,478.2955	1.0529		18,504.6173
Worker	4.1126	1.6949	29.3361	0.1192	16.3145	0.0693	16.3838	4.3274	0.0637	4.3911		11,895.8911	11,895.8911	0.1680		11,900.0897
Total	5.2265	53.7637	36.0634	0.2954	20.8806	0.1181	20.9987	5.6415	0.1104	5.7519		30,374.1866	30,374.1866	1.2208		30,404.7071

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2032

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	1.1139	52.0688	6.7273	0.1763	4.5660	0.0489	4.6149	1.3141	0.0467	1.3608		18,478.2955	18,478.2955	1.0529		18,504.6173
Worker	4.1126	1.6949	29.3361	0.1192	16.3145	0.0693	16.3838	4.3274	0.0637	4.3911		11,895.8911	11,895.8911	0.1680		11,900.0897
Total	5.2265	53.7637	36.0634	0.2954	20.8806	0.1181	20.9987	5.6415	0.1104	5.7519		30,374.1866	30,374.1866	1.2208		30,404.7071

3.4 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2033

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	1.1076	51.8614	6.6714	0.1760	4.5659	0.0484	4.6144	1.3141	0.0463	1.3604		18,455.6371	18,455.6371	1.0507		18,481.9034
Worker	3.7839	1.5641	27.7069	0.1169	16.3145	0.0647	16.3792	4.3274	0.0595	4.3868		11,667.1501	11,667.1501	0.1546		11,671.0150
Total	4.8915	53.4255	34.3783	0.2929	20.8805	0.1131	20.9936	5.6414	0.1058	5.7472		30,122.7872	30,122.7872	1.2053		30,152.9183

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2033

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	1.1076	51.8614	6.6714	0.1760	4.5659	0.0484	4.6144	1.3141	0.0463	1.3604		18,455.6371	18,455.6371	1.0507		18,481.9034
Worker	3.7839	1.5641	27.7069	0.1169	16.3145	0.0647	16.3792	4.3274	0.0595	4.3868		11,667.1501	11,667.1501	0.1546		11,671.0150
Total	4.8915	53.4255	34.3783	0.2929	20.8805	0.1131	20.9936	5.6414	0.1058	5.7472		30,122.7872	30,122.7872	1.2053		30,152.9183

3.4 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2034

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	1.1021	51.6746	6.6227	0.1759	4.5658	0.0481	4.6139	1.3140	0.0460	1.3600		18,440.87 20	18,440.87 20	1.0479		18,467.06 97
Worker	3.4874	1.4526	26.1628	0.1149	16.3145	0.0603	16.3749	4.3274	0.0555	4.3829		11,468.03 77	11,468.03 77	0.1422		11,471.59 19
Total	4.5895	53.1272	32.7855	0.2908	20.8804	0.1084	20.9887	5.6414	0.1014	5.7428		29,908.90 98	29,908.90 98	1.1901		29,938.66 17

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.546 8	2,897.546 8	0.1162		2,900.452 9
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.546 8	2,897.546 8	0.1162		2,900.452 9

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2034

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	1.1021	51.6746	6.6227	0.1759	4.5658	0.0481	4.6139	1.3140	0.0460	1.3600		18,440.87 20	18,440.87 20	1.0479		18,467.06 97
Worker	3.4874	1.4526	26.1628	0.1149	16.3145	0.0603	16.3749	4.3274	0.0555	4.3829		11,468.03 77	11,468.03 77	0.1422		11,471.59 19
Total	4.5895	53.1272	32.7855	0.2908	20.8804	0.1084	20.9887	5.6414	0.1014	5.7428		29,908.90 98	29,908.90 98	1.1901		29,938.66 17

3.4 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.546 8	2,897.546 8	0.1079		2,900.244 8
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.546 8	2,897.546 8	0.1079		2,900.244 8

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2035

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	1.0970	51.5042	6.5793	0.1758	4.5658	0.0477	4.6134	1.3140	0.0456	1.3596		18,430.8175	18,430.8175	1.0467		18,456.9847
Worker	3.2307	1.3658	24.8445	0.1132	16.3145	0.0564	16.3709	4.3274	0.0519	4.3793		11,297.4251	11,297.4251	0.1317		11,300.7165
Total	4.3277	52.8700	31.4237	0.2890	20.8803	0.1041	20.9844	5.6414	0.0975	5.7388		29,728.2426	29,728.2426	1.1784		29,757.7012

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.4 Building Construction - 2035

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	1.0970	51.5042	6.5793	0.1758	4.5658	0.0477	4.6134	1.3140	0.0456	1.3596		18,430.8175	18,430.8175	1.0467		18,456.9847
Worker	3.2307	1.3658	24.8445	0.1132	16.3145	0.0564	16.3709	4.3274	0.0519	4.3793		11,297.4251	11,297.4251	0.1317		11,300.7165
Total	4.3277	52.8700	31.4237	0.2890	20.8803	0.1041	20.9844	5.6414	0.0975	5.7388		29,728.2426	29,728.2426	1.1784		29,757.7012

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.5 Paving - 2019

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	0.0837	0.0476	0.6237	1.3800e-003	0.1232	9.5000e-004	0.1242	0.0327	8.8000e-004	0.0336		137.3515	137.3515	4.8400e-003		137.4724
Total	0.0837	0.0476	0.6237	1.3800e-003	0.1232	9.5000e-004	0.1242	0.0327	8.8000e-004	0.0336		137.3515	137.3515	4.8400e-003		137.4724

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	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.5 Paving - 2019

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	0.0837	0.0476	0.6237	1.3800e-003	0.1232	9.5000e-004	0.1242	0.0327	8.8000e-004	0.0336		137.3515	137.3515	4.8400e-003		137.4724
Total	0.0837	0.0476	0.6237	1.3800e-003	0.1232	9.5000e-004	0.1242	0.0327	8.8000e-004	0.0336		137.3515	137.3515	4.8400e-003		137.4724

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.5 Paving - 2020

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	0.0763	0.0420	0.5571	1.3400e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		133.1624	133.1624	4.2200e-003		133.2679
Total	0.0763	0.0420	0.5571	1.3400e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		133.1624	133.1624	4.2200e-003		133.2679

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	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.5 Paving - 2020

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	0.0763	0.0420	0.5571	1.3400e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		133.1624	133.1624	4.2200e-003		133.2679
Total	0.0763	0.0420	0.5571	1.3400e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		133.1624	133.1624	4.2200e-003		133.2679

3.6 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	8.9947	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2019

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	2.2163	1.2594	16.5083	0.0366	3.2613	0.0252	3.2865	0.8650	0.0232	0.8883		3,635.2367	3,635.2367	0.1280		3,638.4359
Total	2.2163	1.2594	16.5083	0.0366	3.2613	0.0252	3.2865	0.8650	0.0232	0.8883		3,635.2367	3,635.2367	0.1280		3,638.4359

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		282.0423
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		282.0423

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2019

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	2.2163	1.2594	16.5083	0.0366	3.2613	0.0252	3.2865	0.8650	0.0232	0.8883		3,635.2367	3,635.2367	0.1280		3,638.4359
Total	2.2163	1.2594	16.5083	0.0366	3.2613	0.0252	3.2865	0.8650	0.0232	0.8883		3,635.2367	3,635.2367	0.1280		3,638.4359

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	8.9704	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2020

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	2.0204	1.1104	14.7446	0.0354	3.2613	0.0244	3.2856	0.8650	0.0224	0.8875		3,524.3646	3,524.3646	0.1117		3,527.1571
Total	2.0204	1.1104	14.7446	0.0354	3.2613	0.0244	3.2856	0.8650	0.0224	0.8875		3,524.3646	3,524.3646	0.1117		3,527.1571

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2020

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	2.0204	1.1104	14.7446	0.0354	3.2613	0.0244	3.2856	0.8650	0.0224	0.8875		3,524.3646	3,524.3646	0.1117		3,527.1571
Total	2.0204	1.1104	14.7446	0.0354	3.2613	0.0244	3.2856	0.8650	0.0224	0.8875		3,524.3646	3,524.3646	0.1117		3,527.1571

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	8.9472	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 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	1.8654	0.9899	13.4576	0.0343	3.2613	0.0237	3.2849	0.8650	0.0218	0.8868		3,412.869 4	3,412.869 4	0.1003		3,415.377 2
Total	1.8654	0.9899	13.4576	0.0343	3.2613	0.0237	3.2849	0.8650	0.0218	0.8868		3,412.869 4	3,412.869 4	0.1003		3,415.377 2

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 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	1.8654	0.9899	13.4576	0.0343	3.2613	0.0237	3.2849	0.8650	0.0218	0.8868		3,412.869 4	3,412.869 4	0.1003		3,415.377 2
Total	1.8654	0.9899	13.4576	0.0343	3.2613	0.0237	3.2849	0.8650	0.0218	0.8868		3,412.869 4	3,412.869 4	0.1003		3,415.377 2

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7283					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
Total	8.9328	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 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	1.7282	0.8849	12.2950	0.0331	3.2613	0.0229	3.2842	0.8650	0.0211	0.8861		3,291.1316	3,291.1316	0.0897		3,293.3746
Total	1.7282	0.8849	12.2950	0.0331	3.2613	0.0229	3.2842	0.8650	0.0211	0.8861		3,291.1316	3,291.1316	0.0897		3,293.3746

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 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	1.7282	0.8849	12.2950	0.0331	3.2613	0.0229	3.2842	0.8650	0.0211	0.8861		3,291.1316	3,291.1316	0.0897		3,293.3746
Total	1.7282	0.8849	12.2950	0.0331	3.2613	0.0229	3.2842	0.8650	0.0211	0.8861		3,291.1316	3,291.1316	0.0897		3,293.3746

3.6 Architectural Coating - 2023

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	8.9199	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2023

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	1.6041	0.7922	11.2359	0.0318	3.2613	0.0223	3.2836	0.8650	0.0205	0.8856		3,167.979 1	3,167.979 1	0.0801		3,169.982 5
Total	1.6041	0.7922	11.2359	0.0318	3.2613	0.0223	3.2836	0.8650	0.0205	0.8856		3,167.979 1	3,167.979 1	0.0801		3,169.982 5

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8690
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8690

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2023

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	1.6041	0.7922	11.2359	0.0318	3.2613	0.0223	3.2836	0.8650	0.0205	0.8856		3,167.979 1	3,167.979 1	0.0801		3,169.982 5
Total	1.6041	0.7922	11.2359	0.0318	3.2613	0.0223	3.2836	0.8650	0.0205	0.8856		3,167.979 1	3,167.979 1	0.0801		3,169.982 5

3.6 Architectural Coating - 2024

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	8.9090	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2024

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	1.4946	0.7121	10.3725	0.0306	3.2613	0.0218	3.2831	0.8650	0.0201	0.8851		3,046.0655	3,046.0655	0.0721		3,047.8678
Total	1.4946	0.7121	10.3725	0.0306	3.2613	0.0218	3.2831	0.8650	0.0201	0.8851		3,046.0655	3,046.0655	0.0721		3,047.8678

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2024

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	1.4946	0.7121	10.3725	0.0306	3.2613	0.0218	3.2831	0.8650	0.0201	0.8851		3,046.0655	3,046.0655	0.0721		3,047.8678
Total	1.4946	0.7121	10.3725	0.0306	3.2613	0.0218	3.2831	0.8650	0.0201	0.8851		3,046.0655	3,046.0655	0.0721		3,047.8678

3.6 Architectural Coating - 2025

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.8991	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2025

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	1.3990	0.6431	9.5560	0.0293	3.2613	0.0214	3.2826	0.8650	0.0197	0.8847		2,924.5837	2,924.5837	0.0650		2,926.2080
Total	1.3990	0.6431	9.5560	0.0293	3.2613	0.0214	3.2826	0.8650	0.0197	0.8847		2,924.5837	2,924.5837	0.0650		2,926.2080

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2025

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	1.3990	0.6431	9.5560	0.0293	3.2613	0.0214	3.2826	0.8650	0.0197	0.8847		2,924.5837	2,924.5837	0.0650		2,926.2080
Total	1.3990	0.6431	9.5560	0.0293	3.2613	0.0214	3.2826	0.8650	0.0197	0.8847		2,924.5837	2,924.5837	0.0650		2,926.2080

3.6 Architectural Coating - 2026

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.8991	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2026

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	1.3142	0.5851	8.7998	0.0283	3.2613	0.0206	3.2819	0.8650	0.0190	0.8840		2,819.1827	2,819.1827	0.0586		2,820.6467
Total	1.3142	0.5851	8.7998	0.0283	3.2613	0.0206	3.2819	0.8650	0.0190	0.8840		2,819.1827	2,819.1827	0.0586		2,820.6467

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2026

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	1.3142	0.5851	8.7998	0.0283	3.2613	0.0206	3.2819	0.8650	0.0190	0.8840		2,819.1827	2,819.1827	0.0586		2,820.6467
Total	1.3142	0.5851	8.7998	0.0283	3.2613	0.0206	3.2819	0.8650	0.0190	0.8840		2,819.1827	2,819.1827	0.0586		2,820.6467

3.6 Architectural Coating - 2027

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.8991	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2027

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	1.2337	0.5329	8.1793	0.0273	3.2613	0.0196	3.2809	0.8650	0.0180	0.8831		2,721.6970	2,721.6970	0.0532		2,723.0258
Total	1.2337	0.5329	8.1793	0.0273	3.2613	0.0196	3.2809	0.8650	0.0180	0.8831		2,721.6970	2,721.6970	0.0532		2,723.0258

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2027

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	1.2337	0.5329	8.1793	0.0273	3.2613	0.0196	3.2809	0.8650	0.0180	0.8831		2,721.6970	2,721.6970	0.0532		2,723.0258
Total	1.2337	0.5329	8.1793	0.0273	3.2613	0.0196	3.2809	0.8650	0.0180	0.8831		2,721.6970	2,721.6970	0.0532		2,723.0258

3.6 Architectural Coating - 2028

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.8991	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2028

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	1.1520	0.4866	7.6372	0.0264	3.2613	0.0183	3.2796	0.8650	0.0169	0.8819		2,635.1373	2,635.1373	0.0485		2,636.3498
Total	1.1520	0.4866	7.6372	0.0264	3.2613	0.0183	3.2796	0.8650	0.0169	0.8819		2,635.1373	2,635.1373	0.0485		2,636.3498

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2028

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	1.1520	0.4866	7.6372	0.0264	3.2613	0.0183	3.2796	0.8650	0.0169	0.8819		2,635.1373	2,635.1373	0.0485		2,636.3498
Total	1.1520	0.4866	7.6372	0.0264	3.2613	0.0183	3.2796	0.8650	0.0169	0.8819		2,635.1373	2,635.1373	0.0485		2,636.3498

3.6 Architectural Coating - 2029

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.8991	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2029

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	1.0662	0.4439	7.1259	0.0257	3.2613	0.0171	3.2783	0.8650	0.0157	0.8808		2,558.333 2	2,558.333 2	0.0441		2,559.436 6
Total	1.0662	0.4439	7.1259	0.0257	3.2613	0.0171	3.2783	0.8650	0.0157	0.8808		2,558.333 2	2,558.333 2	0.0441		2,559.436 6

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2029

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	1.0662	0.4439	7.1259	0.0257	3.2613	0.0171	3.2783	0.8650	0.0157	0.8808		2,558.333 2	2,558.333 2	0.0441		2,559.436 6
Total	1.0662	0.4439	7.1259	0.0257	3.2613	0.0171	3.2783	0.8650	0.0157	0.8808		2,558.333 2	2,558.333 2	0.0441		2,559.436 6

3.6 Architectural Coating - 2030

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	8.8590	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2030

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	0.9866	0.4064	6.6785	0.0250	3.2613	0.0159	3.2772	0.8650	0.0147	0.8797		2,490.449 4	2,490.449 4	0.0403		2,491.457 8
Total	0.9866	0.4064	6.6785	0.0250	3.2613	0.0159	3.2772	0.8650	0.0147	0.8797		2,490.449 4	2,490.449 4	0.0403		2,491.457 8

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2030

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	0.9866	0.4064	6.6785	0.0250	3.2613	0.0159	3.2772	0.8650	0.0147	0.8797		2,490.4494	2,490.4494	0.0403		2,491.4578
Total	0.9866	0.4064	6.6785	0.0250	3.2613	0.0159	3.2772	0.8650	0.0147	0.8797		2,490.4494	2,490.4494	0.0403		2,491.4578

3.6 Architectural Coating - 2031

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	8.8590	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2031

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	0.8985	0.3697	6.2417	0.0244	3.2613	0.0149	3.2761	0.8650	0.0137	0.8787		2,430.4809	2,430.4809	0.0367		2,431.3981
Total	0.8985	0.3697	6.2417	0.0244	3.2613	0.0149	3.2761	0.8650	0.0137	0.8787		2,430.4809	2,430.4809	0.0367		2,431.3981

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2031

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	0.8985	0.3697	6.2417	0.0244	3.2613	0.0149	3.2761	0.8650	0.0137	0.8787		2,430.4809	2,430.4809	0.0367		2,431.3981
Total	0.8985	0.3697	6.2417	0.0244	3.2613	0.0149	3.2761	0.8650	0.0137	0.8787		2,430.4809	2,430.4809	0.0367		2,431.3981

3.6 Architectural Coating - 2032

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	8.8590	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2032

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	0.8221	0.3388	5.8643	0.0238	3.2613	0.0138	3.2751	0.8650	0.0127	0.8778		2,377.980 2	2,377.980 2	0.0336		2,378.819 5
Total	0.8221	0.3388	5.8643	0.0238	3.2613	0.0138	3.2751	0.8650	0.0127	0.8778		2,377.980 2	2,377.980 2	0.0336		2,378.819 5

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2032

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	0.8221	0.3388	5.8643	0.0238	3.2613	0.0138	3.2751	0.8650	0.0127	0.8778		2,377.980 2	2,377.980 2	0.0336		2,378.819 5
Total	0.8221	0.3388	5.8643	0.0238	3.2613	0.0138	3.2751	0.8650	0.0127	0.8778		2,377.980 2	2,377.980 2	0.0336		2,378.819 5

3.6 Architectural Coating - 2033

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	8.8590	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2033

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	0.7564	0.3127	5.5386	0.0234	3.2613	0.0129	3.2742	0.8650	0.0119	0.8769		2,332.255 1	2,332.255 1	0.0309		2,333.027 7
Total	0.7564	0.3127	5.5386	0.0234	3.2613	0.0129	3.2742	0.8650	0.0119	0.8769		2,332.255 1	2,332.255 1	0.0309		2,333.027 7

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2033

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	0.7564	0.3127	5.5386	0.0234	3.2613	0.0129	3.2742	0.8650	0.0119	0.8769		2,332.255 1	2,332.255 1	0.0309		2,333.027 7
Total	0.7564	0.3127	5.5386	0.0234	3.2613	0.0129	3.2742	0.8650	0.0119	0.8769		2,332.255 1	2,332.255 1	0.0309		2,333.027 7

3.6 Architectural Coating - 2034

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	8.8590	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2034

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	0.6971	0.2904	5.2299	0.0230	3.2613	0.0121	3.2733	0.8650	0.0111	0.8761		2,292.4527	2,292.4527	0.0284		2,293.1631
Total	0.6971	0.2904	5.2299	0.0230	3.2613	0.0121	3.2733	0.8650	0.0111	0.8761		2,292.4527	2,292.4527	0.0284		2,293.1631

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2034

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	0.6971	0.2904	5.2299	0.0230	3.2613	0.0121	3.2733	0.8650	0.0111	0.8761		2,292.4527	2,292.4527	0.0284		2,293.1631
Total	0.6971	0.2904	5.2299	0.0230	3.2613	0.0121	3.2733	0.8650	0.0111	0.8761		2,292.4527	2,292.4527	0.0284		2,293.1631

3.6 Architectural Coating - 2035

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081
Total	8.8461	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2035

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	0.6458	0.2730	4.9664	0.0226	3.2613	0.0113	3.2725	0.8650	0.0104	0.8754		2,258.3473	2,258.3473	0.0263		2,259.0053
Total	0.6458	0.2730	4.9664	0.0226	3.2613	0.0113	3.2725	0.8650	0.0104	0.8754		2,258.3473	2,258.3473	0.0263		2,259.0053

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0104		281.7081
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0104		281.7081

Crossroads West - Stanislaus County - Stanislaus County, Summer

3.6 Architectural Coating - 2035

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	0.6458	0.2730	4.9664	0.0226	3.2613	0.0113	3.2725	0.8650	0.0104	0.8754		2,258.347 3	2,258.347 3	0.0263		2,259.005 3
Total	0.6458	0.2730	4.9664	0.0226	3.2613	0.0113	3.2725	0.8650	0.0104	0.8754		2,258.347 3	2,258.347 3	0.0263		2,259.005 3

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Improve Pedestrian Network

Provide Traffic Calming Measures

Crossroads West - Stanislaus County - Stanislaus County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	54.1745	580.9278	454.7945	3.1558	239.7197	1.2977	241.0175	64.2064	1.2135	65.4199		323,960.5 471	323,960.5 471	18.7878		324,430.2 421
Unmitigated	55.9510	595.0442	494.2585	3.4315	265.6174	1.4185	267.0359	71.1429	1.3266	72.4695		352,147.2 234	352,147.2 234	19.2048		352,627.3 442

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,042.90	2,219.60	1881.70	5,994,152	5,409,722
City Park	79.38	955.50	703.08	626,878	565,758
Elementary School	774.00	0.00	0.00	1,219,016	1,100,162
Junior High School	1,620.00	0.00	0.00	2,601,482	2,347,837
Regional Shopping Center	23,485.00	27,483.50	13882.00	39,772,593	35,894,765
Regional Shopping Center	1,152.90	1,349.19	681.48	1,952,473	1,762,107
Single Family Housing	19,544.56	20,345.23	17696.86	56,845,956	51,303,475
Total	48,698.74	52,353.02	34,845.12	109,012,549	98,383,826

4.3 Trip Type Information

Crossroads West - Stanislaus County - Stanislaus County, Summer

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
Apartments Low Rise	10.80	7.30	7.50	48.40	13.90	37.70	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	48.40	13.90	37.70	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
City Park	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Elementary School	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Junior High School	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Regional Shopping Center	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Single Family Housing	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Crossroads West - Stanislaus County - Stanislaus County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.8936	22,060.8936	0.4228	0.4045	22,191.9905
NaturalGas Unmitigated	2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.8936	22,060.8936	0.4228	0.4045	22,191.9905

Crossroads West - Stanislaus County - Stanislaus County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	12006.3	0.1295	1.1065	0.4708	7.0600e-003		0.0895	0.0895		0.0895	0.0895		1,412.5069	1,412.5069	0.0271	0.0259	1,420.9007
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3450.87	0.0372	0.3383	0.2842	2.0300e-003		0.0257	0.0257		0.0257	0.0257		405.9850	405.9850	7.7800e-003	7.4400e-003	408.3975
Junior High School	8087.6	0.0872	0.7929	0.6660	4.7600e-003		0.0603	0.0603		0.0603	0.0603		951.4823	951.4823	0.0182	0.0174	957.1365
Regional Shopping Center	16123.3	0.1739	1.5807	1.3278	9.4800e-003		0.1201	0.1201		0.1201	0.1201		1,896.8574	1,896.8574	0.0364	0.0348	1,908.1295
Regional Shopping Center	791.507	8.5400e-003	0.0776	0.0652	4.7000e-004		5.9000e-003	5.9000e-003		5.9000e-003	5.9000e-003		93.1185	93.1185	1.7800e-003	1.7100e-003	93.6718
Single Family Housing	147058	1.5859	13.5524	5.7670	0.0865		1.0957	1.0957		1.0957	1.0957		17,300.9437	17,300.9437	0.3316	0.3172	17,403.7545
Total		2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.8936	22,060.8936	0.4228	0.4045	22,191.9905

Crossroads West - Stanislaus County - Stanislaus County, Summer

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	12.0063	0.1295	1.1065	0.4708	7.0600e-003		0.0895	0.0895		0.0895	0.0895		1,412.5069	1,412.5069	0.0271	0.0259	1,420.9007
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.45087	0.0372	0.3383	0.2842	2.0300e-003		0.0257	0.0257		0.0257	0.0257		405.9850	405.9850	7.7800e-003	7.4400e-003	408.3975
Junior High School	8.0876	0.0872	0.7929	0.6660	4.7600e-003		0.0603	0.0603		0.0603	0.0603		951.4823	951.4823	0.0182	0.0174	957.1365
Regional Shopping Center	0.791507	8.5400e-003	0.0776	0.0652	4.7000e-004		5.9000e-003	5.9000e-003		5.9000e-003	5.9000e-003		93.1185	93.1185	1.7800e-003	1.7100e-003	93.6718
Regional Shopping Center	16.1233	0.1739	1.5807	1.3278	9.4800e-003		0.1201	0.1201		0.1201	0.1201		1,896.8574	1,896.8574	0.0364	0.0348	1,908.1295
Single Family Housing	147.058	1.5859	13.5524	5.7670	0.0865		1.0957	1.0957		1.0957	1.0957		17,300.9437	17,300.9437	0.3316	0.3172	17,403.7545
Total		2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.8936	22,060.8936	0.4228	0.4045	22,191.9905

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths

Crossroads West - Stanislaus County - Stanislaus County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.5147	27,873.5147	0.8629	0.5046	28,045.4495
Unmitigated	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.5147	27,873.5147	0.8629	0.5046	28,045.4495

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	10.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	104.9073					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.5229	21.5589	9.1740	0.1376		1.7431	1.7431		1.7431	1.7431	0.0000	27,522.0000	27,522.0000	0.5275	0.5046	27,685.5495
Landscaping	5.8291	2.2433	194.4905	0.0103		1.0819	1.0819		1.0819	1.0819		351.5147	351.5147	0.3354		359.9000
Total	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.5147	27,873.5147	0.8629	0.5046	28,045.4495

Crossroads West - Stanislaus County - Stanislaus County, Summer

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	10.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	104.9073					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.5229	21.5589	9.1740	0.1376		1.7431	1.7431		1.7431	1.7431	0.0000	27,522.0000	27,522.0000	0.5275	0.5046	27,685.5495
Landscaping	5.8291	2.2433	194.4905	0.0103		1.0819	1.0819		1.0819	1.0819		351.5147	351.5147	0.3354		359.9000
Total	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.5147	27,873.5147	0.8629	0.5046	28,045.4495

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Crossroads West - Stanislaus County - Stanislaus County, Summer

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Crossroads West - Stanislaus County - Stanislaus County, Winter

Crossroads West - Stanislaus County
Stanislaus County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Elementary School	600.00	Student	1.15	50,162.02	0
Junior High School	1,000.00	Student	2.70	117,561.68	0
City Park	42.00	Acre	42.00	1,829,520.00	0
Apartments Low Rise	310.00	Dwelling Unit	10.05	457,680.00	887
Single Family Housing	2,053.00	Dwelling Unit	238.01	3,695,400.00	5872
Regional Shopping Center	550.00	1000sqft	54.00	550,000.00	0
Regional Shopping Center	27.00	1000sqft	5.00	27,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	46
Climate Zone	3			Operational Year	2035
Utility Company	Modesto Irrigation District				
CO2 Intensity (lb/MW hr)	833.46	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Crossroads West - Stanislaus County - Stanislaus County, Winter

Project Characteristics -

Land Use - Based on information provided by the project applicant.

Construction Phase - Based on project size.

Grading - Assume all of project site graded (conservative estimate) = 380.84 acres

Architectural Coating - SJVAPCD Rule 4601. 100 g/L for exterior VOC (non-flat coatings); 50 g/L for interior VOC (flat coatings).

Area Coating - Per SJVAPCD Rule 4601: 50 g/L VOC for interior coatings; 100 g/L VOC for exterior coatings. Parking: 150 g/L.

Construction Off-road Equipment Mitigation - Mitigation Measure - fleet average of Tier 3 Engines for construction equipment.

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation -

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	EF_Nonresidential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Nonresidential_Interior	150.00	50.00
tblArchitecturalCoating	EF_Residential_Exterior	150.00	100.00
tblArchitecturalCoating	EF_Residential_Interior	150.00	50.00
tblAreaCoating	Area_EF_Nonresidential_Exterior	150	100
tblAreaCoating	Area_EF_Nonresidential_Interior	150	50
tblAreaCoating	Area_EF_Residential_Exterior	150	100
tblAreaCoating	Area_EF_Residential_Interior	150	50
tblAreaMitigation	UseLowVOCPaintParkingCheck	False	True
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	5
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00

Crossroads West - Stanislaus County - Stanislaus County, Winter

tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	3.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	4.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	2.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	9.00
tblConstEquipMitigation	NumberOfEquipmentMitigated	0.00	1.00
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstEquipMitigation	Tier	No Change	Tier 3
tblConstructionPhase	NumDays	240.00	67.00
tblConstructionPhase	NumDays	620.00	65.00
tblConstructionPhase	NumDays	6,200.00	4,173.00
tblConstructionPhase	NumDays	440.00	260.00

Crossroads West - Stanislaus County - Stanislaus County, Winter

tblConstructionPhase	NumDays	440.00	4,216.00
tblGrading	AcresOfGrading	162.50	380.84
tblLandUse	LandUseSquareFeet	310,000.00	457,680.00
tblLandUse	LotAcreage	19.38	10.05
tblLandUse	LotAcreage	666.56	238.01
tblLandUse	LotAcreage	12.63	54.00
tblLandUse	LotAcreage	0.62	5.00
tblWoodstoves	NumberCatalytic	10.05	0.00
tblWoodstoves	NumberCatalytic	238.01	0.00
tblWoodstoves	NumberNoncatalytic	10.05	0.00
tblWoodstoves	NumberNoncatalytic	238.01	0.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

Crossroads West - Stanislaus County - Stanislaus County, 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
Year	lb/day										lb/day					
2019	28.6970	137.8817	137.6367	0.4357	30.6141	4.7754	35.3895	13.9946	4.3934	18.3880	0.0000	44,223.67 90	44,223.67 90	4.0067	0.0000	44,323.84 71
2020	26.5384	125.2935	125.2276	0.4280	24.2679	2.5704	26.8383	6.5402	2.4126	8.9529	0.0000	43,376.98 93	43,376.98 93	3.7568	0.0000	43,470.91 00
2021	23.4960	100.8002	100.9416	0.3962	24.1443	1.4014	25.5457	6.5074	1.3238	7.8313	0.0000	40,278.40 24	40,278.40 24	2.9109	0.0000	40,351.17 54
2022	22.3688	94.3274	93.5357	0.3879	24.1440	1.2078	25.3517	6.5073	1.1412	7.6485	0.0000	39,450.24 77	39,450.24 77	2.7882	0.0000	39,519.95 28
2023	20.9254	77.0128	85.3961	0.3769	24.1437	0.9610	25.1047	6.5072	0.9066	7.4138	0.0000	38,333.79 84	38,333.79 84	2.2373	0.0000	38,389.73 08
2024	20.1687	74.9563	80.2095	0.3691	24.1434	0.8607	25.0041	6.5071	0.8115	7.3186	0.0000	37,557.06 63	37,557.06 63	2.1973	0.0000	37,611.999 0
2025	19.4916	72.9428	75.4475	0.3614	24.1431	0.7619	24.9050	6.5070	0.7180	7.2250	0.0000	36,789.28 21	36,789.28 21	2.1584	0.0000	36,843.24 22
2026	19.0012	72.0550	71.2209	0.3547	24.1429	0.7566	24.8995	6.5069	0.7131	7.2200	0.0000	36,119.354 2	36,119.354 2	2.1268	0.0000	36,172.52 32
2027	18.5355	71.2001	67.7030	0.3485	24.1426	0.7495	24.8922	6.5068	0.7065	7.2133	0.0000	35,501.48 70	35,501.48 70	2.1017	0.0000	35,554.02 87
2028	18.0575	70.5177	64.6579	0.3431	24.1424	0.7412	24.8836	6.5067	0.6988	7.2055	0.0000	34,961.14 04	34,961.14 04	2.0734	0.0000	35,012.97 54
2029	17.5540	69.8606	61.7761	0.3383	24.1422	0.7330	24.8752	6.5067	0.6912	7.1978	0.0000	34,481.67 41	34,481.67 41	2.0475	0.0000	34,532.86 21
2030	16.9926	64.4545	59.3390	0.3381	24.1421	0.3147	24.4568	6.5066	0.3049	6.8115	0.0000	34,403.811 2	34,403.811 2	1.5344	0.0000	34,442.17 14
2031	16.4798	63.9198	56.9102	0.3345	24.1419	0.3076	24.4496	6.5065	0.2983	6.8048	0.0000	34,039.00 23	34,039.00 23	1.5169	0.0000	34,076.92 49
2032	16.0391	63.4519	54.8354	0.3314	24.1418	0.3011	24.4429	6.5065	0.2923	6.7988	0.0000	33,728.35 36	33,728.35 36	1.4976	0.0000	33,765.79 26
2033	15.6635	63.0466	53.0562	0.3287	24.1417	0.2951	24.4368	6.5065	0.2868	6.7932	0.0000	33,461.64 07	33,461.64 07	1.4809	0.0000	33,498.66 33
2034	15.3345	62.6893	51.3751	0.3264	24.1416	0.2895	24.4311	6.5064	0.2816	6.7880	0.0000	33,233.67 36	33,233.67 36	1.4646	0.0000	33,270.28 90
2035	14.9444	61.5130	49.8969	0.3244	24.1416	0.2162	24.3578	6.5064	0.2087	6.7151	0.0000	33,040.70 30	33,040.70 30	1.4428	0.0000	33,076.77 25
Maximum	28.6970	137.8817	137.6367	0.4357	30.6141	4.7754	35.3895	13.9946	4.3934	18.3880	0.0000	44,223.67 90	44,223.67 90	4.0067	0.0000	44,323.84 71

Crossroads West - Stanislaus County - Stanislaus County, Winter

2.1 Overall Construction (Maximum Daily Emission)

Mitigated Construction

Crossroads West - Stanislaus County - Stanislaus County, 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
Year	lb/day										lb/day					
2019	25.9093	126.6017	140.9686	0.4357	24.2683	2.4488	26.7171	6.5404	2.4070	8.9473	0.0000	44,223.67 90	44,223.67 90	4.0067	0.0000	44,323.84 71
2020	24.1141	117.2364	128.8974	0.4280	24.2679	2.1976	26.4655	6.5402	2.1668	8.7070	0.0000	43,376.98 93	43,376.98 93	3.7568	0.0000	43,470.91 00
2021	22.1096	97.4243	102.2550	0.3962	24.1443	1.3473	25.4917	6.5074	1.3271	7.8345	0.0000	40,278.40 24	40,278.40 24	2.9109	0.0000	40,351.17 54
2022	21.1914	92.8864	95.0649	0.3879	24.1440	1.3157	25.4597	6.5073	1.2970	7.8043	0.0000	39,450.24 77	39,450.24 77	2.7882	0.0000	39,519.95 28
2023	19.8943	76.9080	87.0471	0.3769	24.1437	1.1891	25.3328	6.5072	1.1760	7.6832	0.0000	38,333.79 84	38,333.79 84	2.2373	0.0000	38,389.73 08
2024	19.2497	75.8768	81.9388	0.3691	24.1434	1.1852	25.3286	6.5071	1.1723	7.6794	0.0000	37,557.06 63	37,557.06 63	2.1973	0.0000	37,611.999 0
2025	18.6867	74.9106	77.2598	0.3614	24.1431	1.1815	25.3246	6.5070	1.1689	7.6759	0.0000	36,789.28 21	36,789.28 21	2.1584	0.0000	36,843.24 22
2026	18.1962	74.0229	73.0333	0.3547	24.1429	1.1762	25.3191	6.5069	1.1640	7.6708	0.0000	36,119.354 2	36,119.354 2	2.1268	0.0000	36,172.52 32
2027	17.7306	73.1679	69.5154	0.3485	24.1426	1.1691	25.3117	6.5068	1.1574	7.6642	0.0000	35,501.48 70	35,501.48 70	2.1017	0.0000	35,554.02 87
2028	17.2526	72.4855	66.4703	0.3431	24.1424	1.1608	25.3032	6.5067	1.1497	7.6564	0.0000	34,961.14 04	34,961.14 04	2.0734	0.0000	35,012.97 54
2029	16.7491	71.8285	63.5885	0.3383	24.1422	1.1525	25.2948	6.5067	1.1421	7.6487	0.0000	34,481.67 41	34,481.67 41	2.0475	0.0000	34,532.86 21
2030	16.2861	71.2466	61.0905	0.3381	24.1421	1.1449	25.2870	6.5066	1.1351	7.6417	0.0000	34,403.811 2	34,403.811 2	1.5344	0.0000	34,442.17 14
2031	15.7733	70.7119	58.6616	0.3345	24.1419	1.1378	25.2798	6.5065	1.1285	7.6350	0.0000	34,039.00 23	34,039.00 23	1.5169	0.0000	34,076.92 49
2032	15.3326	70.2441	56.5868	0.3314	24.1418	1.1313	25.2731	6.5065	1.1224	7.6289	0.0000	33,728.35 36	33,728.35 36	1.4976	0.0000	33,765.79 25
2033	14.9570	69.8387	54.8076	0.3287	24.1417	1.1253	25.2670	6.5065	1.1169	7.6234	0.0000	33,461.64 07	33,461.64 07	1.4809	0.0000	33,498.66 33
2034	14.6279	69.4814	53.1266	0.3264	24.1416	1.1197	25.2613	6.5064	1.1118	7.6182	0.0000	33,233.67 36	33,233.67 36	1.4646	0.0000	33,270.28 90
2035	14.3431	69.1770	51.6911	0.3244	24.1416	1.1146	25.2561	6.5064	1.1070	7.6134	0.0000	33,040.70 30	33,040.70 30	1.4428	0.0000	33,076.77 25
Maximum	25.9093	126.6017	140.9686	0.4357	24.2683	2.4488	26.7171	6.5404	2.4070	8.9473	0.0000	44,223.67 90	44,223.67 90	4.0067	0.0000	44,323.84 71

Crossroads West - Stanislaus County - Stanislaus County, 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	N20	CO2e
Percent Reduction	5.41	-2.09	-2.55	0.00	1.52	-29.31	0.30	6.31	-36.20	1.19	0.00	0.00	0.00	0.00	0.00	0.00

Crossroads West - Stanislaus County - Stanislaus County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.5147	27,873.5147	0.8629	0.5046	28,045.4495
Energy	2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.8936	22,060.8936	0.4228	0.4045	22,191.9905
Mobile	43.4531	596.6771	462.7030	3.1740	265.6174	1.4270	267.0444	71.1429	1.3347	72.4776		326,071.0666	326,071.0666	21.1866		326,600.7304
Total	168.8163	637.9277	674.9485	3.4323	265.6174	5.6491	271.2666	71.1429	5.5569	76.6997	0.0000	376,005.4749	376,005.4749	22.4723	0.9090	376,838.1703

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.5147	27,873.5147	0.8629	0.5046	28,045.4495
Energy	2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.8936	22,060.8936	0.4228	0.4045	22,191.9905
Mobile	41.7139	581.3283	430.3419	2.9163	239.7197	1.3062	241.0260	64.2064	1.2216	65.4280		299,671.8946	299,671.8946	20.7921		300,191.6959
Total	167.0770	622.5789	642.5875	3.1746	239.7197	5.5284	245.2481	64.2064	5.4437	69.6502	0.0000	349,606.3029	349,606.3029	22.0778	0.9090	350,429.1359

Crossroads West - Stanislaus County - Stanislaus County, 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
Percent Reduction	1.03	2.41	4.79	7.51	9.75	2.14	9.59	9.75	2.04	9.19	0.00	7.02	7.02	1.76	0.00	7.01

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	3/1/2019	6/3/2019	5	67	
2	Grading	Grading	6/2/2019	8/30/2019	5	65	
3	Building Construction	Building Construction	9/1/2019	8/29/2035	5	4173	
4	Paving	Paving	9/1/2019	8/28/2020	5	260	
5	Architectural Coating	Architectural Coating	9/1/2019	10/29/2035	5	4216	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 380.84

Acres of Paving: 0

Residential Indoor: 8,409,987; Residential Outdoor: 2,803,329; Non-Residential Indoor: 1,117,086; Non-Residential Outdoor: 372,362; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Crossroads West - Stanislaus County - Stanislaus County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	1,986.00	675.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	397.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.1 Mitigation Measures Construction

Use Cleaner Engines for Construction Equipment

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

3.2 Site Preparation - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	4.3350	45.5727	22.0630	0.0380		2.3904	2.3904		2.1991	2.1991		3,766.4529	3,766.4529	1.1917		3,796.2445
Total	4.3350	45.5727	22.0630	0.0380	18.0663	2.3904	20.4566	9.9307	2.1991	12.1298		3,766.4529	3,766.4529	1.1917		3,796.2445

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.2 Site Preparation - 2019

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	0.0946	0.0682	0.6446	1.4600e-003	0.1479	1.1400e-003	0.1490	0.0392	1.0500e-003	0.0403		145.4919	145.4919	5.1400e-003		145.6205
Total	0.0946	0.0682	0.6446	1.4600e-003	0.1479	1.1400e-003	0.1490	0.0392	1.0500e-003	0.0403		145.4919	145.4919	5.1400e-003		145.6205

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					7.0458	0.0000	7.0458	3.8730	0.0000	3.8730			0.0000			0.0000
Off-Road	0.9312	19.0656	22.9600	0.0380		0.9462	0.9462		0.9462	0.9462	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445
Total	0.9312	19.0656	22.9600	0.0380	7.0458	0.9462	7.9920	3.8730	0.9462	4.8191	0.0000	3,766.4529	3,766.4529	1.1917		3,796.2445

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.2 Site Preparation - 2019

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	0.0946	0.0682	0.6446	1.4600e-003	0.1479	1.1400e-003	0.1490	0.0392	1.0500e-003	0.0403		145.4919	145.4919	5.1400e-003		145.6205
Total	0.0946	0.0682	0.6446	1.4600e-003	0.1479	1.1400e-003	0.1490	0.0392	1.0500e-003	0.0403		145.4919	145.4919	5.1400e-003		145.6205

3.3 Grading - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					12.2356	0.0000	12.2356	3.9812	0.0000	3.9812			0.0000			0.0000
Off-Road	4.7389	54.5202	33.3768	0.0620		2.3827	2.3827		2.1920	2.1920		6,140.0195	6,140.0195	1.9426		6,188.5854
Total	4.7389	54.5202	33.3768	0.0620	12.2356	2.3827	14.6183	3.9812	2.1920	6.1732		6,140.0195	6,140.0195	1.9426		6,188.5854

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.3 Grading - 2019

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	0.1052	0.0758	0.7163	1.6300e-003	0.1643	1.2700e-003	0.1656	0.0436	1.1700e-003	0.0448		161.6576	161.6576	5.7200e-003		161.8006
Total	0.1052	0.0758	0.7163	1.6300e-003	0.1643	1.2700e-003	0.1656	0.0436	1.1700e-003	0.0448		161.6576	161.6576	5.7200e-003		161.8006

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					4.7719	0.0000	4.7719	1.5527	0.0000	1.5527			0.0000			0.0000
Off-Road	1.5231	29.9782	36.7226	0.0620		1.2994	1.2994		1.2994	1.2994	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854
Total	1.5231	29.9782	36.7226	0.0620	4.7719	1.2994	6.0713	1.5527	1.2994	2.8521	0.0000	6,140.0195	6,140.0195	1.9426		6,188.5854

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.3 Grading - 2019

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	0.1052	0.0758	0.7163	1.6300e-003	0.1643	1.2700e-003	0.1656	0.0436	1.1700e-003	0.0448		161.6576	161.6576	5.7200e-003		161.8006
Total	0.1052	0.0758	0.7163	1.6300e-003	0.1643	1.2700e-003	0.1656	0.0436	1.1700e-003	0.0448		161.6576	161.6576	5.7200e-003		161.8006

3.4 Building Construction - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635
Total	2.3612	21.0788	17.1638	0.0269		1.2899	1.2899		1.2127	1.2127		2,591.5802	2,591.5802	0.6313		2,607.3635

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.2780	90.6400	18.0883	0.1881	4.5693	0.6886	5.2578	1.3153	0.6587	1.9740		19,710.8967	19,710.8967	1.9522		19,759.7009
Worker	10.4425	7.5228	71.1237	0.1614	16.3145	0.1261	16.4406	4.3274	0.1162	4.4435		16,052.6042	16,052.6042	0.5676		16,066.7944
Total	13.7204	98.1628	89.2120	0.3495	20.8838	0.8147	21.6985	5.6426	0.7749	6.4175		35,763.5008	35,763.5008	2.5198		35,826.4952

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,591.5802	2,591.5802	0.6313		2,607.3635

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	3.2780	90.6400	18.0883	0.1881	4.5693	0.6886	5.2578	1.3153	0.6587	1.9740		19,710.8967	19,710.8967	1.9522		19,759.7009
Worker	10.4425	7.5228	71.1237	0.1614	16.3145	0.1261	16.4406	4.3274	0.1162	4.4435		16,052.6042	16,052.6042	0.5676		16,066.7944
Total	13.7204	98.1628	89.2120	0.3495	20.8838	0.8147	21.6985	5.6426	0.7749	6.4175		35,763.5008	35,763.5008	2.5198		35,826.4952

3.4 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	lb/day										lb/day					
Off-Road	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345
Total	2.1198	19.1860	16.8485	0.0269		1.1171	1.1171		1.0503	1.0503		2,553.0631	2,553.0631	0.6229		2,568.6345

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.6158	82.3564	15.5482	0.1865	4.5689	0.4425	5.0114	1.3151	0.4233	1.7385		19,545.1192	19,545.1192	1.8031		19,590.1963
Worker	9.5041	6.6269	63.2301	0.1564	16.3145	0.1218	16.4363	4.3274	0.1122	4.4396		15,561.3829	15,561.3829	0.4928		15,573.7038
Total	12.1199	88.9833	78.7784	0.3429	20.8835	0.5643	21.4478	5.6425	0.5355	6.1780		35,106.5022	35,106.5022	2.2959		35,163.9000

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.0631	2,553.0631	0.6229		2,568.6345

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	2.6158	82.3564	15.5482	0.1865	4.5689	0.4425	5.0114	1.3151	0.4233	1.7385		19,545.1192	19,545.1192	1.8031		19,590.1963
Worker	9.5041	6.6269	63.2301	0.1564	16.3145	0.1218	16.4363	4.3274	0.1122	4.4396		15,561.3829	15,561.3829	0.4928		15,573.7038
Total	12.1199	88.9833	78.7784	0.3429	20.8835	0.5643	21.4478	5.6425	0.5355	6.1780		35,106.5022	35,106.5022	2.2959		35,163.9000

3.4 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	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643
Total	1.9009	17.4321	16.5752	0.0269		0.9586	0.9586		0.9013	0.9013		2,553.3639	2,553.3639	0.6160		2,568.7643

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 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	2.1272	74.7559	13.5551	0.1847	4.5686	0.2066	4.7752	1.3150	0.1976	1.5126		19,361.2275	19,361.2275	1.7455		19,404.8650
Worker	8.7680	5.9050	57.4996	0.1514	16.3145	0.1184	16.4329	4.3274	0.1090	4.4364		15,069.9004	15,069.9004	0.4418		15,080.9450
Total	10.8953	80.6609	71.0547	0.3361	20.8831	0.3250	21.2081	5.6424	0.3067	5.9491		34,431.1279	34,431.1279	2.1873		34,485.8100

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,553.3639	2,553.3639	0.6160		2,568.7643

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 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	2.1272	74.7559	13.5551	0.1847	4.5686	0.2066	4.7752	1.3150	0.1976	1.5126		19,361.2275	19,361.2275	1.7455		19,404.8650
Worker	8.7680	5.9050	57.4996	0.1514	16.3145	0.1184	16.4329	4.3274	0.1090	4.4364		15,069.9004	15,069.9004	0.4418		15,080.9450
Total	10.8953	80.6609	71.0547	0.3361	20.8831	0.3250	21.2081	5.6424	0.3067	5.9491		34,431.1279	34,431.1279	2.1873		34,485.8100

3.4 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	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 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	1.9796	70.9727	12.5485	0.1830	4.5682	0.1794	4.7477	1.3149	0.1716	1.4865		19,176.36 47	19,176.36 47	1.6846		19,218.47 95
Worker	8.1258	5.2760	52.3462	0.1459	16.3145	0.1147	16.4292	4.3274	0.1056	4.4330		14,532.97 08	14,532.97 08	0.3945		14,542.83 29
Total	10.1055	76.2486	64.8947	0.3289	20.8827	0.2941	21.1768	5.6423	0.2772	5.9195		33,709.33 54	33,709.33 54	2.0791		33,761.31 24

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 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	1.9796	70.9727	12.5485	0.1830	4.5682	0.1794	4.7477	1.3149	0.1716	1.4865		19,176.3647	19,176.3647	1.6846		19,218.4795
Worker	8.1258	5.2760	52.3462	0.1459	16.3145	0.1147	16.4292	4.3274	0.1056	4.4330		14,532.9708	14,532.9708	0.3945		14,542.8329
Total	10.1055	76.2486	64.8947	0.3289	20.8827	0.2941	21.1768	5.6423	0.2772	5.9195		33,709.3354	33,709.3354	2.0791		33,761.3124

3.4 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2023

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	1.3739	55.6609	10.1588	0.1785	4.5679	0.0566	4.6246	1.3148	0.0542	1.3689		18,710.7233	18,710.7233	1.1906		18,740.4873
Worker	7.5497	4.7204	47.6557	0.1404	16.3145	0.1115	16.4261	4.3274	0.1027	4.4301		13,989.8550	13,989.8550	0.3517		13,998.6485
Total	8.9236	60.3813	57.8146	0.3189	20.8824	0.1682	21.0506	5.6421	0.1568	5.7990		32,700.5783	32,700.5783	1.5423		32,739.1358

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	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	0.6739	14.2261	17.8738	0.0269		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2023

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	1.3739	55.6609	10.1588	0.1785	4.5679	0.0566	4.6246	1.3148	0.0542	1.3689		18,710.7233	18,710.7233	1.1906		18,740.4873
Worker	7.5497	4.7204	47.6557	0.1404	16.3145	0.1115	16.4261	4.3274	0.1027	4.4301		13,989.8550	13,989.8550	0.3517		13,998.6485
Total	8.9236	60.3813	57.8146	0.3189	20.8824	0.1682	21.0506	5.6421	0.1568	5.7990		32,700.5783	32,700.5783	1.5423		32,739.1358

3.4 Building Construction - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077
Total	1.4716	13.4438	16.1668	0.0270		0.6133	0.6133		0.5769	0.5769		2,555.6989	2,555.6989	0.6044		2,570.8077

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2024

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	1.3325	55.2055	9.6209	0.1772	4.5676	0.0557	4.6233	1.3147	0.0532	1.3679		18,576.86 23	18,576.86 23	1.1980		18,606.811 7
Worker	7.0469	4.2406	43.8468	0.1350	16.3145	0.1091	16.4236	4.3274	0.1004	4.4278		13,453.67 65	13,453.67 65	0.3160		13,461.57 58
Total	8.3794	59.4461	53.4676	0.3122	20.8821	0.1647	21.0469	5.6420	0.1536	5.7956		32,030.53 89	32,030.53 89	1.5140		32,068.38 75

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.698 9	2,555.698 9	0.6044		2,570.807 7
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,555.698 9	2,555.698 9	0.6044		2,570.807 7

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2024

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	1.3325	55.2055	9.6209	0.1772	4.5676	0.0557	4.6233	1.3147	0.0532	1.3679		18,576.86 23	18,576.86 23	1.1980		18,606.811 7
Worker	7.0469	4.2406	43.8468	0.1350	16.3145	0.1091	16.4236	4.3274	0.1004	4.4278		13,453.67 65	13,453.67 65	0.3160		13,461.57 58
Total	8.3794	59.4461	53.4676	0.3122	20.8821	0.1647	21.0469	5.6420	0.1536	5.7956		32,030.53 89	32,030.53 89	1.5140		32,068.38 75

3.4 Building Construction - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2025

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	1.2985	54.7346	9.2054	0.1760	4.5673	0.0547	4.6221	1.3146	0.0523	1.3669		18,451.1861	18,451.1861	1.2009		18,481.2091
Worker	6.6061	3.8278	40.2936	0.1296	16.3145	0.1068	16.4213	4.3274	0.0983	4.4257		12,917.8954	12,917.8954	0.2843		12,925.0040
Total	7.9046	58.5624	49.4990	0.3056	20.8819	0.1615	21.0434	5.6419	0.1506	5.7925		31,369.0815	31,369.0815	1.4853		31,406.2131

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2025

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	1.2985	54.7346	9.2054	0.1760	4.5673	0.0547	4.6221	1.3146	0.0523	1.3669		18,451.1861	18,451.1861	1.2009		18,481.2091
Worker	6.6061	3.8278	40.2936	0.1296	16.3145	0.1068	16.4213	4.3274	0.0983	4.4257		12,917.8954	12,917.8954	0.2843		12,925.0040
Total	7.9046	58.5624	49.4990	0.3056	20.8819	0.1615	21.0434	5.6419	0.1506	5.7925		31,369.0815	31,369.0815	1.4853		31,406.2131

3.4 Building Construction - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2026

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	1.2699	54.2627	8.8880	0.1749	4.5671	0.0538	4.6209	1.3145	0.0514	1.3659		18,337.7711	18,337.7711	1.2032		18,367.8511
Worker	6.2211	3.4812	37.0357	0.1249	16.3145	0.1032	16.4177	4.3274	0.0949	4.4223		12,454.0958	12,454.0958	0.2561		12,460.4976
Total	7.4911	57.7439	45.9237	0.2998	20.8816	0.1569	21.0385	5.6418	0.1464	5.7882		30,791.8668	30,791.8668	1.4593		30,828.3486

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.4744	2,556.4744	0.6010		2,571.4981

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2026

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	1.2699	54.2627	8.8880	0.1749	4.5671	0.0538	4.6209	1.3145	0.0514	1.3659		18,337.7711	18,337.7711	1.2032		18,367.8511
Worker	6.2211	3.4812	37.0357	0.1249	16.3145	0.1032	16.4177	4.3274	0.0949	4.4223		12,454.0958	12,454.0958	0.2561		12,460.4976
Total	7.4911	57.7439	45.9237	0.2998	20.8816	0.1569	21.0385	5.6418	0.1464	5.7882		30,791.8668	30,791.8668	1.4593		30,828.3486

3.4 Building Construction - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2027

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	1.2453	53.7822	8.6164	0.1740	4.5668	0.0528	4.6197	1.3144	0.0505	1.3649		18,237.25 49	18,237.25 49	1.2069		18,267.42 76
Worker	5.8536	3.1692	34.3302	0.1206	16.3145	0.0980	16.4126	4.3274	0.0902	4.4176		12,022.93 37	12,022.93 37	0.2321		12,028.73 55
Total	7.0989	56.9514	42.9466	0.2945	20.8814	0.1509	21.0322	5.6418	0.1407	5.7825		30,260.18 86	30,260.18 86	1.4390		30,296.16 31

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2027

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	1.2453	53.7822	8.6164	0.1740	4.5668	0.0528	4.6197	1.3144	0.0505	1.3649		18,237.25 49	18,237.25 49	1.2069		18,267.42 76
Worker	5.8536	3.1692	34.3302	0.1206	16.3145	0.0980	16.4126	4.3274	0.0902	4.4176		12,022.93 37	12,022.93 37	0.2321		12,028.73 55
Total	7.0989	56.9514	42.9466	0.2945	20.8814	0.1509	21.0322	5.6418	0.1407	5.7825		30,260.18 86	30,260.18 86	1.4390		30,296.16 31

3.4 Building Construction - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2028

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	1.2255	53.4318	8.4038	0.1732	4.5666	0.0522	4.6188	1.3143	0.0499	1.3642		18,156.77 48	18,156.77 48	1.2034		18,186.85 97
Worker	5.4717	2.8925	31.9696	0.1167	16.3145	0.0917	16.4062	4.3274	0.0843	4.4117		11,639.679 5	11,639.679 5	0.2114		11,644.965 4
Total	6.6972	56.3243	40.3734	0.2899	20.8812	0.1438	21.0250	5.6417	0.1342	5.7759		29,796.45 42	29,796.45 42	1.4148		29,831.82 51

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2028

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	1.2255	53.4318	8.4038	0.1732	4.5666	0.0522	4.6188	1.3143	0.0499	1.3642		18,156.7748	18,156.7748	1.2034		18,186.8597
Worker	5.4717	2.8925	31.9696	0.1167	16.3145	0.0917	16.4062	4.3274	0.0843	4.4117		11,639.6795	11,639.6795	0.2114		11,644.9654
Total	6.6972	56.3243	40.3734	0.2899	20.8812	0.1438	21.0250	5.6417	0.1342	5.7759		29,796.4542	29,796.4542	1.4148		29,831.8251

3.4 Building Construction - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981
Total	1.3674	12.4697	16.0847	0.0270		0.5276	0.5276		0.4963	0.4963		2,556.4744	2,556.4744	0.6010		2,571.4981

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2029

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	1.2064	53.0817	8.2044	0.1725	4.5665	0.0514	4.6178	1.3142	0.0491	1.3634		18,085.97 13	18,085.97 13	1.2008		18,115.991 0
Worker	5.0680	2.6367	29.7341	0.1133	16.3145	0.0854	16.4000	4.3274	0.0786	4.4060		11,299.098 5	11,299.098 5	0.1920		11,303.899 6
Total	6.2744	55.7183	37.9385	0.2858	20.8810	0.1368	21.0178	5.6416	0.1277	5.7693		29,385.06 98	29,385.06 98	1.3928		29,419.89 06

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	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1
Total	0.6739	14.2261	17.8738	0.0270		0.9036	0.9036		0.9036	0.9036	0.0000	2,556.474 4	2,556.474 4	0.6010		2,571.498 1

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2029

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	1.2064	53.0817	8.2044	0.1725	4.5665	0.0514	4.6178	1.3142	0.0491	1.3634		18,085.97 13	18,085.97 13	1.2008		18,115.991 0
Worker	5.0680	2.6367	29.7341	0.1133	16.3145	0.0854	16.4000	4.3274	0.0786	4.4060		11,299.098 5	11,299.098 5	0.1920		11,303.899 6
Total	6.2744	55.7183	37.9385	0.2858	20.8810	0.1368	21.0178	5.6416	0.1277	5.7693		29,385.06 98	29,385.06 98	1.3928		29,419.89 06

3.4 Building Construction - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546 8	2,897.546 8	0.1162		2,900.452 9
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546 8	2,897.546 8	0.1162		2,900.452 9

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2030

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	1.1913	52.7700	8.0545	0.1720	4.5663	0.0506	4.6169	1.3142	0.0484	1.3626		18,028.5575	18,028.5575	1.1966		18,058.4726
Worker	4.6947	2.4115	27.7772	0.1102	16.3145	0.0797	16.3943	4.3274	0.0733	4.4007		10,997.8053	10,997.8053	0.1752		11,002.1842
Total	5.8860	55.1815	35.8317	0.2822	20.8808	0.1304	21.0112	5.6416	0.1218	5.7633		29,026.3629	29,026.3629	1.3718		29,060.6568

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2030

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	1.1913	52.7700	8.0545	0.1720	4.5663	0.0506	4.6169	1.3142	0.0484	1.3626		18,028.5575	18,028.5575	1.1966		18,058.4726
Worker	4.6947	2.4115	27.7772	0.1102	16.3145	0.0797	16.3943	4.3274	0.0733	4.4007		10,997.8053	10,997.8053	0.1752		11,002.1842
Total	5.8860	55.1815	35.8317	0.2822	20.8808	0.1304	21.0112	5.6416	0.1218	5.7633		29,026.3629	29,026.3629	1.3718		29,060.6568

3.4 Building Construction - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2031

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	1.1794	52.4993	7.9344	0.1715	4.5662	0.0501	4.6162	1.3141	0.0479	1.3620		17,983.60 32	17,983.60 32	1.1986		18,013.56 83
Worker	4.2772	2.1915	25.8530	0.1075	16.3145	0.0743	16.3888	4.3274	0.0683	4.3957		10,731.23 75	10,731.23 75	0.1589		10,735.21 00
Total	5.4567	54.6908	33.7875	0.2791	20.8807	0.1243	21.0050	5.6415	0.1162	5.7577		28,714.84 07	28,714.84 07	1.3575		28,748.77 83

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.546 8	2,897.546 8	0.1162		2,900.452 9
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.546 8	2,897.546 8	0.1162		2,900.452 9

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2031

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	1.1794	52.4993	7.9344	0.1715	4.5662	0.0501	4.6162	1.3141	0.0479	1.3620		17,983.6032	17,983.6032	1.1986		18,013.5683
Worker	4.2772	2.1915	25.8530	0.1075	16.3145	0.0743	16.3888	4.3274	0.0683	4.3957		10,731.2375	10,731.2375	0.1589		10,735.2100
Total	5.4567	54.6908	33.7875	0.2791	20.8807	0.1243	21.0050	5.6415	0.1162	5.7577		28,714.8407	28,714.8407	1.3575		28,748.7783

3.4 Building Construction - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2032

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	1.1705	52.2540	7.8516	0.1713	4.5660	0.0495	4.6156	1.3141	0.0474	1.3615		17,953.02 43	17,953.02 43	1.1960		17,982.92 30
Worker	3.9174	2.0060	24.1929	0.1052	16.3145	0.0693	16.3838	4.3274	0.0637	4.3911		10,497.82 64	10,497.82 64	0.1450		10,501.45 12
Total	5.0879	54.2600	32.0445	0.2764	20.8806	0.1188	20.9993	5.6415	0.1111	5.7525		28,450.85 07	28,450.85 07	1.3409		28,484.37 42

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.546 8	2,897.546 8	0.1162		2,900.452 9
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.546 8	2,897.546 8	0.1162		2,900.452 9

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2032

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	1.1705	52.2540	7.8516	0.1713	4.5660	0.0495	4.6156	1.3141	0.0474	1.3615		17,953.02 43	17,953.02 43	1.1960		17,982.92 30
Worker	3.9174	2.0060	24.1929	0.1052	16.3145	0.0693	16.3838	4.3274	0.0637	4.3911		10,497.82 64	10,497.82 64	0.1450		10,501.45 12
Total	5.0879	54.2600	32.0445	0.2764	20.8806	0.1188	20.9993	5.6415	0.1111	5.7525		28,450.85 07	28,450.85 07	1.3409		28,484.37 42

3.4 Building Construction - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546 8	2,897.546 8	0.1162		2,900.452 9
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.546 8	2,897.546 8	0.1162		2,900.452 9

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2033

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	1.1640	52.0364	7.7904	0.1710	4.5659	0.0491	4.6150	1.3141	0.0469	1.3610		17,930.2386	17,930.2386	1.1936		17,960.0782
Worker	3.6098	1.8495	22.7611	0.1031	16.3145	0.0647	16.3792	4.3274	0.0595	4.3868		10,294.5367	10,294.5367	0.1331		10,297.8638
Total	4.7738	53.8859	30.5515	0.2741	20.8805	0.1138	20.9942	5.6414	0.1064	5.7478		28,224.7752	28,224.7752	1.3267		28,257.9419

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2033

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	1.1640	52.0364	7.7904	0.1710	4.5659	0.0491	4.6150	1.3141	0.0469	1.3610		17,930.2386	17,930.2386	1.1936		17,960.0782
Worker	3.6098	1.8495	22.7611	0.1031	16.3145	0.0647	16.3792	4.3274	0.0595	4.3868		10,294.5367	10,294.5367	0.1331		10,297.8638
Total	4.7738	53.8859	30.5515	0.2741	20.8805	0.1138	20.9942	5.6414	0.1064	5.7478		28,224.7752	28,224.7752	1.3267		28,257.9419

3.4 Building Construction - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529
Total	1.3091	7.9346	16.1570	0.0310		0.1481	0.1481		0.1481	0.1481		2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2034

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	1.1584	51.8390	7.7381	0.1709	4.5658	0.0487	4.6145	1.3140	0.0465	1.3606		17,914.6272	17,914.6272	1.1906		17,944.3922
Worker	3.3403	1.7163	21.4037	0.1013	16.3145	0.0603	16.3749	4.3274	0.0555	4.3829		10,117.5587	10,117.5587	0.1220		10,120.6086
Total	4.4986	53.5553	29.1418	0.2722	20.8804	0.1090	20.9894	5.6414	0.1020	5.7434		28,032.1859	28,032.1859	1.3126		28,065.0008

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1162		2,900.4529

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2034

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	1.1584	51.8390	7.7381	0.1709	4.5658	0.0487	4.6145	1.3140	0.0465	1.3606		17,914.6272	17,914.6272	1.1906		17,944.3922
Worker	3.3403	1.7163	21.4037	0.1013	16.3145	0.0603	16.3749	4.3274	0.0555	4.3829		10,117.5587	10,117.5587	0.1220		10,120.6086
Total	4.4986	53.5553	29.1418	0.2722	20.8804	0.1090	20.9894	5.6414	0.1020	5.7434		28,032.1859	28,032.1859	1.3126		28,065.0008

3.4 Building Construction - 2035

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448
Total	1.2168	7.1613	16.1178	0.0310		0.0904	0.0904		0.0904	0.0904		2,897.5468	2,897.5468	0.1079		2,900.2448

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2035

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	1.1532	51.6587	7.6916	0.1708	4.5658	0.0482	4.6140	1.3140	0.0461	1.3601		17,903.5597	17,903.5597	1.1893		17,933.2931
Worker	3.1072	1.6129	20.2461	0.0998	16.3145	0.0564	16.3709	4.3274	0.0519	4.3793		9,965.9601	9,965.9601	0.1126		9,968.7754
Total	4.2604	53.2715	27.9377	0.2706	20.8803	0.1046	20.9849	5.6414	0.0980	5.7394		27,869.5198	27,869.5198	1.3020		27,902.0685

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	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448
Total	0.6739	14.2261	17.8738	0.0310		0.9036	0.9036		0.9036	0.9036	0.0000	2,897.5468	2,897.5468	0.1079		2,900.2448

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.4 Building Construction - 2035

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	1.1532	51.6587	7.6916	0.1708	4.5658	0.0482	4.6140	1.3140	0.0461	1.3601		17,903.5597	17,903.5597	1.1893		17,933.2931
Worker	3.1072	1.6129	20.2461	0.0998	16.3145	0.0564	16.3709	4.3274	0.0519	4.3793		9,965.9601	9,965.9601	0.1126		9,968.7754
Total	4.2604	53.2715	27.9377	0.2706	20.8803	0.1046	20.9849	5.6414	0.0980	5.7394		27,869.5198	27,869.5198	1.3020		27,902.0685

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.4544	15.2441	14.6648	0.0228		0.8246	0.8246		0.7586	0.7586		2,257.0025	2,257.0025	0.7141		2,274.8548

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.5 Paving - 2019

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	0.0789	0.0568	0.5372	1.2200e-003	0.1232	9.5000e-004	0.1242	0.0327	8.8000e-004	0.0336		121.2432	121.2432	4.2900e-003		121.3504
Total	0.0789	0.0568	0.5372	1.2200e-003	0.1232	9.5000e-004	0.1242	0.0327	8.8000e-004	0.0336		121.2432	121.2432	4.2900e-003		121.3504

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	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,257.0025	2,257.0025	0.7141		2,274.8548

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.5 Paving - 2019

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	0.0789	0.0568	0.5372	1.2200e-003	0.1232	9.5000e-004	0.1242	0.0327	8.8000e-004	0.0336		121.2432	121.2432	4.2900e-003		121.3504
Total	0.0789	0.0568	0.5372	1.2200e-003	0.1232	9.5000e-004	0.1242	0.0327	8.8000e-004	0.0336		121.2432	121.2432	4.2900e-003		121.3504

3.5 Paving - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.3566	14.0656	14.6521	0.0228		0.7528	0.7528		0.6926	0.6926		2,207.7334	2,207.7334	0.7140		2,225.5841

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.5 Paving - 2020

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	0.0718	0.0501	0.4776	1.1800e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		117.5331	117.5331	3.7200e-003		117.6262
Total	0.0718	0.0501	0.4776	1.1800e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		117.5331	117.5331	3.7200e-003		117.6262

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	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.5609	11.2952	17.2957	0.0228		0.6093	0.6093		0.6093	0.6093	0.0000	2,207.7334	2,207.7334	0.7140		2,225.5841

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.5 Paving - 2020

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	0.0718	0.0501	0.4776	1.1800e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		117.5331	117.5331	3.7200e-003		117.6262
Total	0.0718	0.0501	0.4776	1.1800e-003	0.1232	9.2000e-004	0.1241	0.0327	8.5000e-004	0.0335		117.5331	117.5331	3.7200e-003		117.6262

3.6 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2664	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423
Total	8.9947	1.8354	1.8413	2.9700e-003		0.1288	0.1288		0.1288	0.1288		281.4481	281.4481	0.0238		282.0423

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2019

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	2.0874	1.5038	14.2176	0.0323	3.2613	0.0252	3.2865	0.8650	0.0232	0.8883		3,208.904 3	3,208.904 3	0.1135		3,211.7409
Total	2.0874	1.5038	14.2176	0.0323	3.2613	0.0252	3.2865	0.8650	0.0232	0.8883		3,208.904 3	3,208.904 3	0.1135		3,211.740 9

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		282.0423
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0238		282.0423

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2019

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	2.0874	1.5038	14.2176	0.0323	3.2613	0.0252	3.2865	0.8650	0.0232	0.8883		3,208.9043	3,208.9043	0.1135		3,211.7409
Total	2.0874	1.5038	14.2176	0.0323	3.2613	0.0252	3.2865	0.8650	0.0232	0.8883		3,208.9043	3,208.9043	0.1135		3,211.7409

3.6 Architectural Coating - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2422	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928
Total	8.9704	1.6838	1.8314	2.9700e-003		0.1109	0.1109		0.1109	0.1109		281.4481	281.4481	0.0218		281.9928

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2020

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	1.8999	1.3247	12.6397	0.0313	3.2613	0.0244	3.2856	0.8650	0.0224	0.8875		3,110.7095	3,110.7095	0.0985		3,113.1724
Total	1.8999	1.3247	12.6397	0.0313	3.2613	0.0244	3.2856	0.8650	0.0224	0.8875		3,110.7095	3,110.7095	0.0985		3,113.1724

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0218		281.9928

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2020

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	1.8999	1.3247	12.6397	0.0313	3.2613	0.0244	3.2856	0.8650	0.0224	0.8875		3,110.7095	3,110.7095	0.0985		3,113.1724
Total	1.8999	1.3247	12.6397	0.0313	3.2613	0.0244	3.2856	0.8650	0.0224	0.8875		3,110.7095	3,110.7095	0.0985		3,113.1724

3.6 Architectural Coating - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
Total	8.9472	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 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	1.7527	1.1804	11.4941	0.0303	3.2613	0.0237	3.2849	0.8650	0.0218	0.8868		3,012.4625	3,012.4625	0.0883		3,014.6703
Total	1.7527	1.1804	11.4941	0.0303	3.2613	0.0237	3.2849	0.8650	0.0218	0.8868		3,012.4625	3,012.4625	0.0883		3,014.6703

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0193		281.9309

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 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	1.7527	1.1804	11.4941	0.0303	3.2613	0.0237	3.2849	0.8650	0.0218	0.8868		3,012.4625	3,012.4625	0.0883		3,014.6703
Total	1.7527	1.1804	11.4941	0.0303	3.2613	0.0237	3.2849	0.8650	0.0218	0.8868		3,012.4625	3,012.4625	0.0883		3,014.6703

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	8.7283					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
Total	8.9328	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 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	1.6244	1.0547	10.4640	0.0292	3.2613	0.0229	3.2842	0.8650	0.0211	0.8861		2,905.1306	2,905.1306	0.0789		2,907.1021
Total	1.6244	1.0547	10.4640	0.0292	3.2613	0.0229	3.2842	0.8650	0.0211	0.8861		2,905.1306	2,905.1306	0.0789		2,907.1021

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0183		281.9062

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 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	1.6244	1.0547	10.4640	0.0292	3.2613	0.0229	3.2842	0.8650	0.0211	0.8861		2,905.1306	2,905.1306	0.0789		2,907.1021
Total	1.6244	1.0547	10.4640	0.0292	3.2613	0.0229	3.2842	0.8650	0.0211	0.8861		2,905.1306	2,905.1306	0.0789		2,907.1021

3.6 Architectural Coating - 2023

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	8.9199	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2023

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	1.5092	0.9436	9.5264	0.0281	3.2613	0.0223	3.2836	0.8650	0.0205	0.8856		2,796.562 2	2,796.562 2	0.0703		2,798.320 0
Total	1.5092	0.9436	9.5264	0.0281	3.2613	0.0223	3.2836	0.8650	0.0205	0.8856		2,796.562 2	2,796.562 2	0.0703		2,798.320 0

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8690
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0168		281.8690

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2023

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	1.5092	0.9436	9.5264	0.0281	3.2613	0.0223	3.2836	0.8650	0.0205	0.8856		2,796.562 2	2,796.562 2	0.0703		2,798.320 0
Total	1.5092	0.9436	9.5264	0.0281	3.2613	0.0223	3.2836	0.8650	0.0205	0.8856		2,796.562 2	2,796.562 2	0.0703		2,798.320 0

3.6 Architectural Coating - 2024

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
Total	8.9090	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2024

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	1.4087	0.8477	8.7649	0.0270	3.2613	0.0218	3.2831	0.8650	0.0201	0.8851		2,689.3805	2,689.3805	0.0632		2,690.9595
Total	1.4087	0.8477	8.7649	0.0270	3.2613	0.0218	3.2831	0.8650	0.0201	0.8851		2,689.3805	2,689.3805	0.0632		2,690.9595

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0159		281.8443

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2024

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	1.4087	0.8477	8.7649	0.0270	3.2613	0.0218	3.2831	0.8650	0.0201	0.8851		2,689.3805	2,689.3805	0.0632		2,690.9595
Total	1.4087	0.8477	8.7649	0.0270	3.2613	0.0218	3.2831	0.8650	0.0201	0.8851		2,689.3805	2,689.3805	0.0632		2,690.9595

3.6 Architectural Coating - 2025

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.8991	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2025

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	1.3206	0.7652	8.0547	0.0259	3.2613	0.0214	3.2826	0.8650	0.0197	0.8847		2,582.278 2	2,582.278 2	0.0568		2,583.699 2
Total	1.3206	0.7652	8.0547	0.0259	3.2613	0.0214	3.2826	0.8650	0.0197	0.8847		2,582.278 2	2,582.278 2	0.0568		2,583.699 2

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2025

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	1.3206	0.7652	8.0547	0.0259	3.2613	0.0214	3.2826	0.8650	0.0197	0.8847		2,582.278 2	2,582.278 2	0.0568		2,583.699 2
Total	1.3206	0.7652	8.0547	0.0259	3.2613	0.0214	3.2826	0.8650	0.0197	0.8847		2,582.278 2	2,582.278 2	0.0568		2,583.699 2

3.6 Architectural Coating - 2026

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.8991	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2026

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	1.2436	0.6959	7.4034	0.0250	3.2613	0.0206	3.2819	0.8650	0.0190	0.8840		2,489.5650	2,489.5650	0.0512		2,490.8447
Total	1.2436	0.6959	7.4034	0.0250	3.2613	0.0206	3.2819	0.8650	0.0190	0.8840		2,489.5650	2,489.5650	0.0512		2,490.8447

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2026

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	1.2436	0.6959	7.4034	0.0250	3.2613	0.0206	3.2819	0.8650	0.0190	0.8840		2,489.5650	2,489.5650	0.0512		2,490.8447
Total	1.2436	0.6959	7.4034	0.0250	3.2613	0.0206	3.2819	0.8650	0.0190	0.8840		2,489.5650	2,489.5650	0.0512		2,490.8447

3.6 Architectural Coating - 2027

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.8991	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2027

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	1.1701	0.6335	6.8626	0.0241	3.2613	0.0196	3.2809	0.8650	0.0180	0.8831		2,403.3760	2,403.3760	0.0464		2,404.5358
Total	1.1701	0.6335	6.8626	0.0241	3.2613	0.0196	3.2809	0.8650	0.0180	0.8831		2,403.3760	2,403.3760	0.0464		2,404.5358

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2027

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	1.1701	0.6335	6.8626	0.0241	3.2613	0.0196	3.2809	0.8650	0.0180	0.8831		2,403.3760	2,403.3760	0.0464		2,404.5358
Total	1.1701	0.6335	6.8626	0.0241	3.2613	0.0196	3.2809	0.8650	0.0180	0.8831		2,403.3760	2,403.3760	0.0464		2,404.5358

3.6 Architectural Coating - 2028

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.8991	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2028

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	1.0938	0.5782	6.3907	0.0233	3.2613	0.0183	3.2796	0.8650	0.0169	0.8819		2,326.7637	2,326.7637	0.0423		2,327.8204
Total	1.0938	0.5782	6.3907	0.0233	3.2613	0.0183	3.2796	0.8650	0.0169	0.8819		2,326.7637	2,326.7637	0.0423		2,327.8204

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2028

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	1.0938	0.5782	6.3907	0.0233	3.2613	0.0183	3.2796	0.8650	0.0169	0.8819		2,326.7637	2,326.7637	0.0423		2,327.8204
Total	1.0938	0.5782	6.3907	0.0233	3.2613	0.0183	3.2796	0.8650	0.0169	0.8819		2,326.7637	2,326.7637	0.0423		2,327.8204

3.6 Architectural Coating - 2029

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
Total	8.8991	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2029

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	1.0131	0.5271	5.9438	0.0226	3.2613	0.0171	3.2783	0.8650	0.0157	0.8808		2,258.6818	2,258.6818	0.0384		2,259.6416
Total	1.0131	0.5271	5.9438	0.0226	3.2613	0.0171	3.2783	0.8650	0.0157	0.8808		2,258.6818	2,258.6818	0.0384		2,259.6416

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0154		281.8319

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2029

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	1.0131	0.5271	5.9438	0.0226	3.2613	0.0171	3.2783	0.8650	0.0157	0.8808		2,258.6818	2,258.6818	0.0384		2,259.6416
Total	1.0131	0.5271	5.9438	0.0226	3.2613	0.0171	3.2783	0.8650	0.0157	0.8808		2,258.6818	2,258.6818	0.0384		2,259.6416

3.6 Architectural Coating - 2030

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	8.8590	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2030

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	0.9385	0.4821	5.5526	0.0220	3.2613	0.0159	3.2772	0.8650	0.0147	0.8797		2,198.4535	2,198.4535	0.0350		2,199.3289
Total	0.9385	0.4821	5.5526	0.0220	3.2613	0.0159	3.2772	0.8650	0.0147	0.8797		2,198.4535	2,198.4535	0.0350		2,199.3289

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2030

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	0.9385	0.4821	5.5526	0.0220	3.2613	0.0159	3.2772	0.8650	0.0147	0.8797		2,198.4535	2,198.4535	0.0350		2,199.3289
Total	0.9385	0.4821	5.5526	0.0220	3.2613	0.0159	3.2772	0.8650	0.0147	0.8797		2,198.4535	2,198.4535	0.0350		2,199.3289

3.6 Architectural Coating - 2031

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	8.8590	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2031

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	0.8550	0.4381	5.1680	0.0215	3.2613	0.0149	3.2761	0.8650	0.0137	0.8787		2,145.1668	2,145.1668	0.0318		2,145.9609
Total	0.8550	0.4381	5.1680	0.0215	3.2613	0.0149	3.2761	0.8650	0.0137	0.8787		2,145.1668	2,145.1668	0.0318		2,145.9609

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2031

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	0.8550	0.4381	5.1680	0.0215	3.2613	0.0149	3.2761	0.8650	0.0137	0.8787		2,145.1668	2,145.1668	0.0318		2,145.9609
Total	0.8550	0.4381	5.1680	0.0215	3.2613	0.0149	3.2761	0.8650	0.0137	0.8787		2,145.1668	2,145.1668	0.0318		2,145.9609

3.6 Architectural Coating - 2032

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	8.8590	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2032

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	0.7831	0.4010	4.8361	0.0210	3.2613	0.0138	3.2751	0.8650	0.0127	0.8778		2,098.508 1	2,098.508 1	0.0290		2,099.232 7
Total	0.7831	0.4010	4.8361	0.0210	3.2613	0.0138	3.2751	0.8650	0.0127	0.8778		2,098.508 1	2,098.508 1	0.0290		2,099.232 7

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2032

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	0.7831	0.4010	4.8361	0.0210	3.2613	0.0138	3.2751	0.8650	0.0127	0.8778		2,098.508 1	2,098.508 1	0.0290		2,099.232 7
Total	0.7831	0.4010	4.8361	0.0210	3.2613	0.0138	3.2751	0.8650	0.0127	0.8778		2,098.508 1	2,098.508 1	0.0290		2,099.232 7

3.6 Architectural Coating - 2033

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	8.8590	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2033

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	0.7216	0.3697	4.5499	0.0206	3.2613	0.0129	3.2742	0.8650	0.0119	0.8769		2,057.8706	2,057.8706	0.0266		2,058.5357
Total	0.7216	0.3697	4.5499	0.0206	3.2613	0.0129	3.2742	0.8650	0.0119	0.8769		2,057.8706	2,057.8706	0.0266		2,058.5357

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2033

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	0.7216	0.3697	4.5499	0.0206	3.2613	0.0129	3.2742	0.8650	0.0119	0.8769		2,057.8706	2,057.8706	0.0266		2,058.5357
Total	0.7216	0.3697	4.5499	0.0206	3.2613	0.0129	3.2742	0.8650	0.0119	0.8769		2,057.8706	2,057.8706	0.0266		2,058.5357

3.6 Architectural Coating - 2034

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1308	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328
Total	8.8590	0.8563	1.7977	2.9700e-003		0.0203	0.0203		0.0203	0.0203		281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2034

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	0.6677	0.3431	4.2786	0.0203	3.2613	0.0121	3.2733	0.8650	0.0111	0.8761		2,022.4929	2,022.4929	0.0244		2,023.1025
Total	0.6677	0.3431	4.2786	0.0203	3.2613	0.0121	3.2733	0.8650	0.0111	0.8761		2,022.4929	2,022.4929	0.0244		2,023.1025

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0114		281.7328

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2034

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	0.6677	0.3431	4.2786	0.0203	3.2613	0.0121	3.2733	0.8650	0.0111	0.8761		2,022.4929	2,022.4929	0.0244		2,023.1025
Total	0.6677	0.3431	4.2786	0.0203	3.2613	0.0121	3.2733	0.8650	0.0111	0.8761		2,022.4929	2,022.4929	0.0244		2,023.1025

3.6 Architectural Coating - 2035

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1179	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081
Total	8.8461	0.7577	1.7943	2.9700e-003		9.9000e-003	9.9000e-003		9.9000e-003	9.9000e-003		281.4481	281.4481	0.0104		281.7081

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2035

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	0.6211	0.3224	4.0472	0.0200	3.2613	0.0113	3.2725	0.8650	0.0104	0.8754		1,992.188 4	1,992.188 4	0.0225		1,992.751 2
Total	0.6211	0.3224	4.0472	0.0200	3.2613	0.0113	3.2725	0.8650	0.0104	0.8754		1,992.188 4	1,992.188 4	0.0225		1,992.751 2

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	8.7283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.0594	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0104		281.7081
Total	8.7877	1.3570	1.8324	2.9700e-003		0.0951	0.0951		0.0951	0.0951	0.0000	281.4481	281.4481	0.0104		281.7081

Crossroads West - Stanislaus County - Stanislaus County, Winter

3.6 Architectural Coating - 2035

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	0.6211	0.3224	4.0472	0.0200	3.2613	0.0113	3.2725	0.8650	0.0104	0.8754		1,992.188 4	1,992.188 4	0.0225		1,992.751 2
Total	0.6211	0.3224	4.0472	0.0200	3.2613	0.0113	3.2725	0.8650	0.0104	0.8754		1,992.188 4	1,992.188 4	0.0225		1,992.751 2

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Improve Pedestrian Network

Provide Traffic Calming Measures

Crossroads West - Stanislaus County - Stanislaus County, 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	41.7139	581.3283	430.3419	2.9163	239.7197	1.3062	241.0260	64.2064	1.2216	65.4280		299,671.8946	299,671.8946	20.7921		300,191.6959
Unmitigated	43.4531	596.6771	462.7030	3.1740	265.6174	1.4270	267.0444	71.1429	1.3347	72.4776		326,071.0666	326,071.0666	21.1866		326,600.7304

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,042.90	2,219.60	1881.70	5,994,152	5,409,722
City Park	79.38	955.50	703.08	626,878	565,758
Elementary School	774.00	0.00	0.00	1,219,016	1,100,162
Junior High School	1,620.00	0.00	0.00	2,601,482	2,347,837
Regional Shopping Center	23,485.00	27,483.50	13882.00	39,772,593	35,894,765
Regional Shopping Center	1,152.90	1,349.19	681.48	1,952,473	1,762,107
Single Family Housing	19,544.56	20,345.23	17696.86	56,845,956	51,303,475
Total	48,698.74	52,353.02	34,845.12	109,012,549	98,383,826

4.3 Trip Type Information

Crossroads West - Stanislaus County - Stanislaus County, Winter

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
Apartments Low Rise	10.80	7.30	7.50	48.40	13.90	37.70	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	48.40	13.90	37.70	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
City Park	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Elementary School	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Junior High School	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Regional Shopping Center	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Single Family Housing	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Crossroads West - Stanislaus County - Stanislaus County, 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					
NaturalGas Mitigated	2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.8936	22,060.8936	0.4228	0.4045	22,191.9905
NaturalGas Unmitigated	2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.8936	22,060.8936	0.4228	0.4045	22,191.9905

Crossroads West - Stanislaus County - Stanislaus County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	12006.3	0.1295	1.1065	0.4708	7.0600e-003		0.0895	0.0895		0.0895	0.0895		1,412.5069	1,412.5069	0.0271	0.0259	1,420.9007
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3450.87	0.0372	0.3383	0.2842	2.0300e-003		0.0257	0.0257		0.0257	0.0257		405.9850	405.9850	7.7800e-003	7.4400e-003	408.3975
Junior High School	8087.6	0.0872	0.7929	0.6660	4.7600e-003		0.0603	0.0603		0.0603	0.0603		951.4823	951.4823	0.0182	0.0174	957.1365
Regional Shopping Center	16123.3	0.1739	1.5807	1.3278	9.4800e-003		0.1201	0.1201		0.1201	0.1201		1,896.8574	1,896.8574	0.0364	0.0348	1,908.1295
Regional Shopping Center	791.507	8.5400e-003	0.0776	0.0652	4.7000e-004		5.9000e-003	5.9000e-003		5.9000e-003	5.9000e-003		93.1185	93.1185	1.7800e-003	1.7100e-003	93.6718
Single Family Housing	147058	1.5859	13.5524	5.7670	0.0865		1.0957	1.0957		1.0957	1.0957		17,300.9437	17,300.9437	0.3316	0.3172	17,403.7545
Total		2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.8936	22,060.8936	0.4228	0.4045	22,191.9905

Crossroads West - Stanislaus County - Stanislaus County, Winter

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	12.0063	0.1295	1.1065	0.4708	7.0600e-003		0.0895	0.0895		0.0895	0.0895		1,412.5069	1,412.5069	0.0271	0.0259	1,420.9007
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	3.45087	0.0372	0.3383	0.2842	2.0300e-003		0.0257	0.0257		0.0257	0.0257		405.9850	405.9850	7.7800e-003	7.4400e-003	408.3975
Junior High School	8.0876	0.0872	0.7929	0.6660	4.7600e-003		0.0603	0.0603		0.0603	0.0603		951.4823	951.4823	0.0182	0.0174	957.1365
Regional Shopping Center	0.791507	8.5400e-003	0.0776	0.0652	4.7000e-004		5.9000e-003	5.9000e-003		5.9000e-003	5.9000e-003		93.1185	93.1185	1.7800e-003	1.7100e-003	93.6718
Regional Shopping Center	16.1233	0.1739	1.5807	1.3278	9.4800e-003		0.1201	0.1201		0.1201	0.1201		1,896.8574	1,896.8574	0.0364	0.0348	1,908.1295
Single Family Housing	147.058	1.5859	13.5524	5.7670	0.0865		1.0957	1.0957		1.0957	1.0957		17,300.9437	17,300.9437	0.3316	0.3172	17,403.7545
Total		2.0223	17.4484	8.5810	0.1103		1.3972	1.3972		1.3972	1.3972		22,060.8936	22,060.8936	0.4228	0.4045	22,191.9905

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths

Crossroads West - Stanislaus County - Stanislaus County, 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	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.5147	27,873.5147	0.8629	0.5046	28,045.4495
Unmitigated	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.5147	27,873.5147	0.8629	0.5046	28,045.4495

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	10.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	104.9073					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.5229	21.5589	9.1740	0.1376		1.7431	1.7431		1.7431	1.7431	0.0000	27,522.0000	27,522.0000	0.5275	0.5046	27,685.5495
Landscaping	5.8291	2.2433	194.4905	0.0103		1.0819	1.0819		1.0819	1.0819		351.5147	351.5147	0.3354		359.9000
Total	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.5147	27,873.5147	0.8629	0.5046	28,045.4495

Crossroads West - Stanislaus County - Stanislaus County, 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	10.0817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	104.9073					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.5229	21.5589	9.1740	0.1376		1.7431	1.7431		1.7431	1.7431	0.0000	27,522.0000	27,522.0000	0.5275	0.5046	27,685.5495
Landscaping	5.8291	2.2433	194.4905	0.0103		1.0819	1.0819		1.0819	1.0819		351.5147	351.5147	0.3354		359.9000
Total	123.3409	23.8022	203.6645	0.1479		2.8250	2.8250		2.8250	2.8250	0.0000	27,873.5147	27,873.5147	0.8629	0.5046	28,045.4495

7.0 Water Detail

7.1 Mitigation Measures Water

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

8.0 Waste Detail

8.1 Mitigation Measures Waste

Crossroads West - Stanislaus County - Stanislaus County, Winter

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 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	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	0.2687	9.7854	1.6074	0.0245	0.5828	0.0264	0.6092	0.1683	0.0252	0.1935	0.0000	2,333.3503	2,333.3503	0.1929	0.0000	2,338.1720
Worker	1.0737	0.7029	7.5969	0.0204	2.0708	0.0155	2.0862	0.5504	0.0142	0.5646	0.0000	1,845.2215	1,845.2215	0.0536	0.0000	1,846.5612
Total	1.3424	10.4883	9.2043	0.0450	2.6536	0.0418	2.6954	0.7187	0.0394	0.7582	0.0000	4,178.5719	4,178.5719	0.2465	0.0000	4,184.7333

3.4 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	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471
Total	0.2218	2.0300	2.1272	3.5000e-003		0.1052	0.1052		0.0990	0.0990	0.0000	301.2428	301.2428	0.0722	0.0000	303.0471

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 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	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	0.2491	9.2576	1.4816	0.0242	0.5805	0.0228	0.6033	0.1677	0.0218	0.1894	0.0000	2,302.413 2	2,302.413 2	0.1853	0.0000	2,307.044 4
Worker	0.9911	0.6257	6.9012	0.0196	2.0628	0.0149	2.0777	0.5483	0.0137	0.5620	0.0000	1,772.638 4	1,772.638 4	0.0477	0.0000	1,773.831 8
Total	1.2402	9.8833	8.3828	0.0438	2.6433	0.0377	2.6810	0.7160	0.0355	0.7515	0.0000	4,075.051 6	4,075.051 6	0.2330	0.0000	4,080.876 2

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	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467
Total	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.2425	301.2425	0.0722	0.0000	303.0467

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 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	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	0.2491	9.2576	1.4816	0.0242	0.5805	0.0228	0.6033	0.1677	0.0218	0.1894	0.0000	2,302.413 2	2,302.413 2	0.1853	0.0000	2,307.044 4
Worker	0.9911	0.6257	6.9012	0.0196	2.0628	0.0149	2.0777	0.5483	0.0137	0.5620	0.0000	1,772.638 4	1,772.638 4	0.0477	0.0000	1,773.831 8
Total	1.2402	9.8833	8.3828	0.0438	2.6433	0.0377	2.6810	0.7160	0.0355	0.7515	0.0000	4,075.051 6	4,075.051 6	0.2330	0.0000	4,080.876 2

3.4 Building Construction - 2023

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	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383
Total	0.2045	1.8700	2.1117	3.5000e-003		0.0910	0.0910		0.0856	0.0856	0.0000	301.3462	301.3462	0.0717	0.0000	303.1383

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2023

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	0.1727	7.2616	1.2155	0.0236	0.5805	7.2400e-003	0.5877	0.1677	6.9200e-003	0.1746	0.0000	2,246.2263	2,246.2263	0.1310	0.0000	2,249.5012
Worker	0.9202	0.5599	6.2947	0.0189	2.0628	0.0145	2.0773	0.5483	0.0134	0.5617	0.0000	1,706.3685	1,706.3685	0.0426	0.0000	1,707.4344
Total	1.0930	7.8215	7.5101	0.0425	2.6433	0.0217	2.6650	0.7160	0.0203	0.7362	0.0000	3,952.5948	3,952.5948	0.1736	0.0000	3,956.9355

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	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380
Total	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.3458	301.3458	0.0717	0.0000	303.1380

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2023

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	0.1727	7.2616	1.2155	0.0236	0.5805	7.2400e-003	0.5877	0.1677	6.9200e-003	0.1746	0.0000	2,246.2263	2,246.2263	0.1310	0.0000	2,249.5012
Worker	0.9202	0.5599	6.2947	0.0189	2.0628	0.0145	2.0773	0.5483	0.0134	0.5617	0.0000	1,706.3685	1,706.3685	0.0426	0.0000	1,707.4344
Total	1.0930	7.8215	7.5101	0.0425	2.6433	0.0217	2.6650	0.7160	0.0203	0.7362	0.0000	3,952.5948	3,952.5948	0.1736	0.0000	3,956.9355

3.4 Building Construction - 2024

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	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179
Total	0.1928	1.7611	2.1179	3.5300e-003		0.0803	0.0803		0.0756	0.0756	0.0000	303.7223	303.7223	0.0718	0.0000	305.5179

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2024

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	0.1689	7.2575	1.1598	0.0236	0.5849	7.1800e-003	0.5921	0.1689	6.8700e-003	0.1758	0.0000	2,246.8730	2,246.8730	0.1328	0.0000	2,250.1923
Worker	0.8647	0.5070	5.8454	0.0183	2.0787	0.0143	2.0930	0.5525	0.0132	0.5657	0.0000	1,653.4871	1,653.4871	0.0387	0.0000	1,654.4534
Total	1.0336	7.7645	7.0052	0.0419	2.6636	0.0215	2.6851	0.7214	0.0200	0.7415	0.0000	3,900.3601	3,900.3601	0.1714	0.0000	3,904.6457

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	0.0883	1.8636	2.3415	3.5300e-003		0.1184	0.1184		0.1184	0.1184	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175
Total	0.0883	1.8636	2.3415	3.5300e-003		0.1184	0.1184		0.1184	0.1184	0.0000	303.7220	303.7220	0.0718	0.0000	305.5175

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2024

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	0.1689	7.2575	1.1598	0.0236	0.5849	7.1800e-003	0.5921	0.1689	6.8700e-003	0.1758	0.0000	2,246.8730	2,246.8730	0.1328	0.0000	2,250.1923
Worker	0.8647	0.5070	5.8454	0.0183	2.0787	0.0143	2.0930	0.5525	0.0132	0.5657	0.0000	1,653.4871	1,653.4871	0.0387	0.0000	1,654.4534
Total	1.0336	7.7645	7.0052	0.0419	2.6636	0.0215	2.6851	0.7214	0.0200	0.7415	0.0000	3,900.3601	3,900.3601	0.1714	0.0000	3,904.6457

3.4 Building Construction - 2025

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2025

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	0.1641	7.1682	1.1053	0.0234	0.5826	7.0400e-003	0.5897	0.1683	6.7300e-003	0.1750	0.0000	2,222.7527	2,222.7527	0.1326	0.0000	2,226.0664
Worker	0.8066	0.4560	5.3576	0.0175	2.0708	0.0139	2.0847	0.5504	0.0128	0.5632	0.0000	1,581.5521	1,581.5521	0.0347	0.0000	1,582.4193
Total	0.9707	7.6241	6.4629	0.0409	2.6534	0.0210	2.6744	0.7187	0.0196	0.7382	0.0000	3,804.3048	3,804.3048	0.1672	0.0000	3,808.4857

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	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2025

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	0.1641	7.1682	1.1053	0.0234	0.5826	7.0400e-003	0.5897	0.1683	6.7300e-003	0.1750	0.0000	2,222.7527	2,222.7527	0.1326	0.0000	2,226.0664
Worker	0.8066	0.4560	5.3576	0.0175	2.0708	0.0139	2.0847	0.5504	0.0128	0.5632	0.0000	1,581.5521	1,581.5521	0.0347	0.0000	1,582.4193
Total	0.9707	7.6241	6.4629	0.0409	2.6534	0.0210	2.6744	0.7187	0.0196	0.7382	0.0000	3,804.3048	3,804.3048	0.1672	0.0000	3,808.4857

3.4 Building Construction - 2026

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2026

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	0.1606	7.1065	1.0671	0.0232	0.5826	6.9300e-003	0.5895	0.1683	6.6300e-003	0.1749	0.0000	2,208.7349	2,208.7349	0.1328	0.0000	2,212.0539
Worker	0.7585	0.4147	4.9285	0.0169	2.0708	0.0135	2.0842	0.5504	0.0124	0.5628	0.0000	1,524.6759	1,524.6759	0.0313	0.0000	1,525.4575
Total	0.9190	7.5212	5.9956	0.0401	2.6534	0.0204	2.6738	0.7187	0.0190	0.7377	0.0000	3,733.4107	3,733.4107	0.1640	0.0000	3,737.5114

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	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2026

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	0.1606	7.1065	1.0671	0.0232	0.5826	6.9300e-003	0.5895	0.1683	6.6300e-003	0.1749	0.0000	2,208.7349	2,208.7349	0.1328	0.0000	2,212.0539
Worker	0.7585	0.4147	4.9285	0.0169	2.0708	0.0135	2.0842	0.5504	0.0124	0.5628	0.0000	1,524.6759	1,524.6759	0.0313	0.0000	1,525.4575
Total	0.9190	7.5212	5.9956	0.0401	2.6534	0.0204	2.6738	0.7187	0.0190	0.7377	0.0000	3,733.4107	3,733.4107	0.1640	0.0000	3,737.5114

3.4 Building Construction - 2027

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2027

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	0.1575	7.0439	1.0343	0.0231	0.5826	6.8100e-003	0.5894	0.1682	6.5200e-003	0.1748	0.0000	2,196.3660	2,196.3660	0.1331	0.0000	2,199.6945
Worker	0.7127	0.3776	4.5739	0.0163	2.0708	0.0128	2.0835	0.5504	0.0118	0.5622	0.0000	1,471.9089	1,471.9089	0.0284	0.0000	1,472.6180
Total	0.8702	7.4215	5.6082	0.0394	2.6533	0.0196	2.6729	0.7187	0.0183	0.7369	0.0000	3,668.2750	3,668.2750	0.1615	0.0000	3,672.3124

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	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2027

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	0.1575	7.0439	1.0343	0.0231	0.5826	6.8100e-003	0.5894	0.1682	6.5200e-003	0.1748	0.0000	2,196.3660	2,196.3660	0.1331	0.0000	2,199.6945
Worker	0.7127	0.3776	4.5739	0.0163	2.0708	0.0128	2.0835	0.5504	0.0118	0.5622	0.0000	1,471.9089	1,471.9089	0.0284	0.0000	1,472.6180
Total	0.8702	7.4215	5.6082	0.0394	2.6533	0.0196	2.6729	0.7187	0.0183	0.7369	0.0000	3,668.2750	3,668.2750	0.1615	0.0000	3,672.3124

3.4 Building Construction - 2028

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	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671
Total	0.1778	1.6211	2.0910	3.5000e-003		0.0686	0.0686		0.0645	0.0645	0.0000	301.4953	301.4953	0.0709	0.0000	303.2671

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2028

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	0.1545	6.9713	1.0048	0.0229	0.5803	6.7100e-003	0.5870	0.1676	6.4100e-003	0.1740	0.0000	2,178.0433	2,178.0433	0.1322	0.0000	2,181.3487
Worker	0.6631	0.3434	4.2478	0.0157	2.0628	0.0119	2.0747	0.5483	0.0110	0.5593	0.0000	1,419.5596	1,419.5596	0.0258	0.0000	1,420.2036
Total	0.8176	7.3146	5.2526	0.0386	2.6431	0.0186	2.6618	0.7159	0.0174	0.7333	0.0000	3,597.6029	3,597.6029	0.1580	0.0000	3,601.5524

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	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667
Total	0.0876	1.8494	2.3236	3.5000e-003		0.1175	0.1175		0.1175	0.1175	0.0000	301.4949	301.4949	0.0709	0.0000	303.2667

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2028

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	0.1545	6.9713	1.0048	0.0229	0.5803	6.7100e-003	0.5870	0.1676	6.4100e-003	0.1740	0.0000	2,178.0433	2,178.0433	0.1322	0.0000	2,181.3487
Worker	0.6631	0.3434	4.2478	0.0157	2.0628	0.0119	2.0747	0.5483	0.0110	0.5593	0.0000	1,419.5596	1,419.5596	0.0258	0.0000	1,420.2036
Total	0.8176	7.3146	5.2526	0.0386	2.6431	0.0186	2.6618	0.7159	0.0174	0.7333	0.0000	3,597.6029	3,597.6029	0.1580	0.0000	3,601.5524

3.4 Building Construction - 2029

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	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335
Total	0.1785	1.6273	2.0991	3.5200e-003		0.0689	0.0689		0.0648	0.0648	0.0000	302.6549	302.6549	0.0711	0.0000	304.4335

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2029

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	0.1527	6.9524	0.9846	0.0229	0.5825	6.6400e-003	0.5892	0.1682	6.3500e-003	0.1746	0.0000	2,177.6868	2,177.6868	0.1324	0.0000	2,180.9972
Worker	0.6161	0.3143	3.9713	0.0153	2.0708	0.0112	2.0819	0.5504	0.0103	0.5607	0.0000	1,383.3688	1,383.3688	0.0235	0.0000	1,383.9566
Total	0.7688	7.2666	4.9558	0.0382	2.6533	0.0178	2.6711	0.7186	0.0166	0.7352	0.0000	3,561.0556	3,561.0556	0.1559	0.0000	3,564.9538

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	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331
Total	0.0879	1.8565	2.3325	3.5200e-003		0.1179	0.1179		0.1179	0.1179	0.0000	302.6545	302.6545	0.0711	0.0000	304.4331

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2029

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	0.1527	6.9524	0.9846	0.0229	0.5825	6.6400e-003	0.5892	0.1682	6.3500e-003	0.1746	0.0000	2,177.6868	2,177.6868	0.1324	0.0000	2,180.9972
Worker	0.6161	0.3143	3.9713	0.0153	2.0708	0.0112	2.0819	0.5504	0.0103	0.5607	0.0000	1,383.3688	1,383.3688	0.0235	0.0000	1,383.9566
Total	0.7688	7.2666	4.9558	0.0382	2.6533	0.0178	2.6711	0.7186	0.0166	0.7352	0.0000	3,561.0556	3,561.0556	0.1559	0.0000	3,564.9538

3.4 Building Construction - 2030

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2030

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	0.1508	6.9118	0.9664	0.0228	0.5825	6.5500e-003	0.5891	0.1682	6.2600e-003	0.1745	0.0000	2,170.6442	2,170.6442	0.1319	0.0000	2,173.9426
Worker	0.5704	0.2875	3.7148	0.0149	2.0708	0.0104	2.0812	0.5504	9.5700e-003	0.5600	0.0000	1,346.5320	1,346.5320	0.0215	0.0000	1,347.0686
Total	0.7212	7.1993	4.6812	0.0377	2.6533	0.0170	2.6702	0.7186	0.0158	0.7345	0.0000	3,517.1761	3,517.1761	0.1534	0.0000	3,521.0112

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	0.0879	1.8565	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.0879	1.8565	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2030

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	0.1508	6.9118	0.9664	0.0228	0.5825	6.5500e-003	0.5891	0.1682	6.2600e-003	0.1745	0.0000	2,170.6442	2,170.6442	0.1319	0.0000	2,173.9426
Worker	0.5704	0.2875	3.7148	0.0149	2.0708	0.0104	2.0812	0.5504	9.5700e-003	0.5600	0.0000	1,346.5320	1,346.5320	0.0215	0.0000	1,347.0686
Total	0.7212	7.1993	4.6812	0.0377	2.6533	0.0170	2.6702	0.7186	0.0158	0.7345	0.0000	3,517.1761	3,517.1761	0.1534	0.0000	3,521.0112

3.4 Building Construction - 2031

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	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777
Total	0.1708	1.0355	2.1085	4.0400e-003		0.0193	0.0193		0.0193	0.0193	0.0000	343.0336	343.0336	0.0138	0.0000	343.3777

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2031

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	0.1493	6.8766	0.9518	0.0228	0.5825	6.4800e-003	0.5890	0.1682	6.1900e-003	0.1744	0.0000	2,165.1586	2,165.1586	0.1321	0.0000	2,168.4620
Worker	0.5195	0.2614	3.4633	0.0145	2.0708	9.6900e-003	2.0804	0.5504	8.9100e-003	0.5593	0.0000	1,313.9547	1,313.9547	0.0195	0.0000	1,314.4421
Total	0.6688	7.1379	4.4151	0.0373	2.6532	0.0162	2.6694	0.7186	0.0151	0.7337	0.0000	3,479.1133	3,479.1133	0.1516	0.0000	3,482.9041

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	0.0879	1.8565	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773
Total	0.0879	1.8565	2.3325	4.0400e-003		0.1179	0.1179		0.1179	0.1179	0.0000	343.0332	343.0332	0.0138	0.0000	343.3773

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2031

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	0.1493	6.8766	0.9518	0.0228	0.5825	6.4800e-003	0.5890	0.1682	6.1900e-003	0.1744	0.0000	2,165.1586	2,165.1586	0.1321	0.0000	2,168.4620
Worker	0.5195	0.2614	3.4633	0.0145	2.0708	9.6900e-003	2.0804	0.5504	8.9100e-003	0.5593	0.0000	1,313.9547	1,313.9547	0.0195	0.0000	1,314.4421
Total	0.6688	7.1379	4.4151	0.0373	2.6532	0.0162	2.6694	0.7186	0.0151	0.7337	0.0000	3,479.1133	3,479.1133	0.1516	0.0000	3,482.9041

3.4 Building Construction - 2032

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	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933
Total	0.1715	1.0394	2.1166	4.0600e-003		0.0194	0.0194		0.0194	0.0194	0.0000	344.3479	344.3479	0.0138	0.0000	344.6933

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2032

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	0.1488	6.8710	0.9453	0.0228	0.5847	6.4400e-003	0.5911	0.1689	6.1600e-003	0.1750	0.0000	2,169.7592	2,169.7592	0.1323	0.0000	2,173.0676
Worker	0.4774	0.2402	3.2586	0.0143	2.0787	9.0700e-003	2.0878	0.5525	8.3400e-003	0.5609	0.0000	1,290.3559	1,290.3559	0.0179	0.0000	1,290.8028
Total	0.6261	7.1113	4.2039	0.0371	2.6634	0.0155	2.6789	0.7214	0.0145	0.7359	0.0000	3,460.1150	3,460.1150	0.1502	0.0000	3,463.8704

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	0.0883	1.8636	2.3415	4.0600e-003		0.1184	0.1184		0.1184	0.1184	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929
Total	0.0883	1.8636	2.3415	4.0600e-003		0.1184	0.1184		0.1184	0.1184	0.0000	344.3475	344.3475	0.0138	0.0000	344.6929

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2032

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	0.1488	6.8710	0.9453	0.0228	0.5847	6.4400e-003	0.5911	0.1689	6.1600e-003	0.1750	0.0000	2,169.7592	2,169.7592	0.1323	0.0000	2,173.0676
Worker	0.4774	0.2402	3.2586	0.0143	2.0787	9.0700e-003	2.0878	0.5525	8.3400e-003	0.5609	0.0000	1,290.3559	1,290.3559	0.0179	0.0000	1,290.8028
Total	0.6261	7.1113	4.2039	0.0371	2.6634	0.0155	2.6789	0.7214	0.0145	0.7359	0.0000	3,460.1150	3,460.1150	0.1502	0.0000	3,463.8704

3.4 Building Construction - 2033

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2033

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	0.1468	6.7906	0.9305	0.0226	0.5802	6.3300e-003	0.5866	0.1676	6.0600e-003	0.1736	0.0000	2,150.5176	2,150.5176	0.1311	0.0000	2,153.7940
Worker	0.4362	0.2199	3.0473	0.0139	2.0628	8.4100e-003	2.0712	0.5483	7.7300e-003	0.5560	0.0000	1,255.7582	1,255.7582	0.0163	0.0000	1,256.1658
Total	0.5831	7.0105	3.9777	0.0365	2.6430	0.0147	2.6578	0.7159	0.0138	0.7296	0.0000	3,406.2758	3,406.2758	0.1474	0.0000	3,409.9598

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	0.0876	1.8494	2.3236	4.0200e-003		0.1175	0.1175		0.1175	0.1175	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.0876	1.8494	2.3236	4.0200e-003		0.1175	0.1175		0.1175	0.1175	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2033

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	0.1468	6.7906	0.9305	0.0226	0.5802	6.3300e-003	0.5866	0.1676	6.0600e-003	0.1736	0.0000	2,150.5176	2,150.5176	0.1311	0.0000	2,153.7940
Worker	0.4362	0.2199	3.0473	0.0139	2.0628	8.4100e-003	2.0712	0.5483	7.7300e-003	0.5560	0.0000	1,255.7582	1,255.7582	0.0163	0.0000	1,256.1658
Total	0.5831	7.0105	3.9777	0.0365	2.6430	0.0147	2.6578	0.7159	0.0138	0.7296	0.0000	3,406.2758	3,406.2758	0.1474	0.0000	3,409.9598

3.4 Building Construction - 2034

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	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621
Total	0.1702	1.0315	2.1004	4.0200e-003		0.0193	0.0193		0.0193	0.0193	0.0000	341.7193	341.7193	0.0137	0.0000	342.0621

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2034

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	0.1461	6.7653	0.9239	0.0226	0.5802	6.2800e-003	0.5865	0.1676	6.0000e-003	0.1736	0.0000	2,148.7344	2,148.7344	0.1307	0.0000	2,152.0024
Worker	0.4032	0.2041	2.8706	0.0136	2.0628	7.8400e-003	2.0707	0.5483	7.2100e-003	0.5555	0.0000	1,234.2143	1,234.2143	0.0150	0.0000	1,234.5884
Total	0.5493	6.9694	3.7945	0.0362	2.6430	0.0141	2.6572	0.7159	0.0132	0.7291	0.0000	3,382.9486	3,382.9486	0.1457	0.0000	3,386.5908

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	0.0876	1.8494	2.3236	4.0200e-003		0.1175	0.1175		0.1175	0.1175	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617
Total	0.0876	1.8494	2.3236	4.0200e-003		0.1175	0.1175		0.1175	0.1175	0.0000	341.7189	341.7189	0.0137	0.0000	342.0617

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2034

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	0.1461	6.7653	0.9239	0.0226	0.5802	6.2800e-003	0.5865	0.1676	6.0000e-003	0.1736	0.0000	2,148.7344	2,148.7344	0.1307	0.0000	2,152.0024
Worker	0.4032	0.2041	2.8706	0.0136	2.0628	7.8400e-003	2.0707	0.5483	7.2100e-003	0.5555	0.0000	1,234.2143	1,234.2143	0.0150	0.0000	1,234.5884
Total	0.5493	6.9694	3.7945	0.0362	2.6430	0.0141	2.6572	0.7159	0.0132	0.7291	0.0000	3,382.9486	3,382.9486	0.1457	0.0000	3,386.5908

3.4 Building Construction - 2035

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	0.1053	0.6195	1.3942	2.6800e-003		7.8200e-003	7.8200e-003		7.8200e-003	7.8200e-003	0.0000	227.3748	227.3748	8.4700e-003	0.0000	227.5865
Total	0.1053	0.6195	1.3942	2.6800e-003		7.8200e-003	7.8200e-003		7.8200e-003	7.8200e-003	0.0000	227.3748	227.3748	8.4700e-003	0.0000	227.5865

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2035

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	0.0968	4.4862	0.6109	0.0150	0.3861	4.1400e-003	0.3902	0.1115	3.9600e-003	0.1154	0.0000	1,428.9124	1,428.9124	0.0869	0.0000	1,431.0844
Worker	0.2493	0.1276	1.8098	8.9300e-003	1.3726	4.8800e-003	1.3774	0.3648	4.4900e-003	0.3693	0.0000	808.9468	808.9468	9.2000e-003	0.0000	809.1769
Total	0.3461	4.6138	2.4206	0.0240	1.7586	9.0200e-003	1.7676	0.4763	8.4500e-003	0.4848	0.0000	2,237.8592	2,237.8592	0.0961	0.0000	2,240.2614

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	0.0583	1.2306	1.5461	2.6800e-003		0.0782	0.0782		0.0782	0.0782	0.0000	227.3745	227.3745	8.4700e-003	0.0000	227.5862
Total	0.0583	1.2306	1.5461	2.6800e-003		0.0782	0.0782		0.0782	0.0782	0.0000	227.3745	227.3745	8.4700e-003	0.0000	227.5862

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.4 Building Construction - 2035

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	0.0968	4.4862	0.6109	0.0150	0.3861	4.1400e-003	0.3902	0.1115	3.9600e-003	0.1154	0.0000	1,428.9124	1,428.9124	0.0869	0.0000	1,431.0844
Worker	0.2493	0.1276	1.8098	8.9300e-003	1.3726	4.8800e-003	1.3774	0.3648	4.4900e-003	0.3693	0.0000	808.9468	808.9468	9.2000e-003	0.0000	809.1769
Total	0.3461	4.6138	2.4206	0.0240	1.7586	9.0200e-003	1.7676	0.4763	8.4500e-003	0.4848	0.0000	2,237.8592	2,237.8592	0.0961	0.0000	2,240.2614

3.5 Paving - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0633	0.6631	0.6379	9.9000e-004		0.0359	0.0359		0.0330	0.0330	0.0000	89.0670	89.0670	0.0282	0.0000	89.7715
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0633	0.6631	0.6379	9.9000e-004		0.0359	0.0359		0.0330	0.0330	0.0000	89.0670	89.0670	0.0282	0.0000	89.7715

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.5 Paving - 2019

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	3.2100e-003	2.2500e-003	0.0236	5.0000e-005	5.2100e-003	4.0000e-005	5.2500e-003	1.3900e-003	4.0000e-005	1.4200e-003	0.0000	4.9485	4.9485	1.7000e-004	0.0000	4.9528
Total	3.2100e-003	2.2500e-003	0.0236	5.0000e-005	5.2100e-003	4.0000e-005	5.2500e-003	1.3900e-003	4.0000e-005	1.4200e-003	0.0000	4.9485	4.9485	1.7000e-004	0.0000	4.9528

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	0.0244	0.4913	0.7524	9.9000e-004		0.0265	0.0265		0.0265	0.0265	0.0000	89.0669	89.0669	0.0282	0.0000	89.7714
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0244	0.4913	0.7524	9.9000e-004		0.0265	0.0265		0.0265	0.0265	0.0000	89.0669	89.0669	0.0282	0.0000	89.7714

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.5 Paving - 2019

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	3.2100e-003	2.2500e-003	0.0236	5.0000e-005	5.2100e-003	4.0000e-005	5.2500e-003	1.3900e-003	4.0000e-005	1.4200e-003	0.0000	4.9485	4.9485	1.7000e-004	0.0000	4.9528
Total	3.2100e-003	2.2500e-003	0.0236	5.0000e-005	5.2100e-003	4.0000e-005	5.2500e-003	1.3900e-003	4.0000e-005	1.4200e-003	0.0000	4.9485	4.9485	1.7000e-004	0.0000	4.9528

3.5 Paving - 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	0.1173	1.2167	1.2674	1.9700e-003		0.0651	0.0651		0.0599	0.0599	0.0000	173.2441	173.2441	0.0560	0.0000	174.6449
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.1173	1.2167	1.2674	1.9700e-003		0.0651	0.0651		0.0599	0.0599	0.0000	173.2441	173.2441	0.0560	0.0000	174.6449

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.5 Paving - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8200e-003	3.9500e-003	0.0418	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7600e-003	7.0000e-005	2.8300e-003	0.0000	9.5393	9.5393	3.0000e-004	0.0000	9.5467
Total	5.8200e-003	3.9500e-003	0.0418	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7600e-003	7.0000e-005	2.8300e-003	0.0000	9.5393	9.5393	3.0000e-004	0.0000	9.5467

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	0.0485	0.9770	1.4961	1.9700e-003		0.0527	0.0527		0.0527	0.0527	0.0000	173.2439	173.2439	0.0560	0.0000	174.6447
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0485	0.9770	1.4961	1.9700e-003		0.0527	0.0527		0.0527	0.0527	0.0000	173.2439	173.2439	0.0560	0.0000	174.6447

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.5 Paving - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8200e-003	3.9500e-003	0.0418	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7600e-003	7.0000e-005	2.8300e-003	0.0000	9.5393	9.5393	3.0000e-004	0.0000	9.5467
Total	5.8200e-003	3.9500e-003	0.0418	1.1000e-004	0.0104	8.0000e-005	0.0105	2.7600e-003	7.0000e-005	2.8300e-003	0.0000	9.5393	9.5393	3.0000e-004	0.0000	9.5467

3.6 Architectural Coating - 2019

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3797					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0116	0.0798	0.0801	1.3000e-004		5.6000e-003	5.6000e-003		5.6000e-003	5.6000e-003	0.0000	11.1067	11.1067	9.4000e-004	0.0000	11.1301
Total	0.3913	0.0798	0.0801	1.3000e-004		5.6000e-003	5.6000e-003		5.6000e-003	5.6000e-003	0.0000	11.1067	11.1067	9.4000e-004	0.0000	11.1301

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2019

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0851	0.0597	0.6236	1.4500e-003	0.1380	1.1000e-003	0.1391	0.0367	1.0100e-003	0.0377	0.0000	130.9699	130.9699	4.5700e-003	0.0000	131.0840
Total	0.0851	0.0597	0.6236	1.4500e-003	0.1380	1.1000e-003	0.1391	0.0367	1.0100e-003	0.0377	0.0000	130.9699	130.9699	4.5700e-003	0.0000	131.0840

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	0.3797					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.5900e-003	0.0590	0.0797	1.3000e-004		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003	0.0000	11.1066	11.1066	9.4000e-004	0.0000	11.1301
Total	0.3823	0.0590	0.0797	1.3000e-004		4.1400e-003	4.1400e-003		4.1400e-003	4.1400e-003	0.0000	11.1066	11.1066	9.4000e-004	0.0000	11.1301

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0851	0.0597	0.6236	1.4500e-003	0.1380	1.1000e-003	0.1391	0.0367	1.0100e-003	0.0377	0.0000	130.9699	130.9699	4.5700e-003	0.0000	131.0840
Total	0.0851	0.0597	0.6236	1.4500e-003	0.1380	1.1000e-003	0.1391	0.0367	1.0100e-003	0.0377	0.0000	130.9699	130.9699	4.5700e-003	0.0000	131.0840

3.6 Architectural Coating - 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					
Archit. Coating	1.1434					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0317	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5124
Total	1.1751	0.2206	0.2399	3.9000e-004		0.0145	0.0145		0.0145	0.0145	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5124

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2020

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2334	0.1583	1.6735	4.2300e-003	0.4155	3.1900e-003	0.4187	0.1105	2.9400e-003	0.1134	0.0000	382.3570	382.3570	0.0120	0.0000	382.6565
Total	0.2334	0.1583	1.6735	4.2300e-003	0.4155	3.1900e-003	0.4187	0.1105	2.9400e-003	0.1134	0.0000	382.3570	382.3570	0.0120	0.0000	382.6565

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1434					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.1778	0.2401	3.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5123
Total	1.1512	0.1778	0.2401	3.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	33.4476	33.4476	2.5900e-003	0.0000	33.5123

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2020

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2334	0.1583	1.6735	4.2300e-003	0.4155	3.1900e-003	0.4187	0.1105	2.9400e-003	0.1134	0.0000	382.3570	382.3570	0.0120	0.0000	382.6565
Total	0.2334	0.1583	1.6735	4.2300e-003	0.4155	3.1900e-003	0.4187	0.1105	2.9400e-003	0.1134	0.0000	382.3570	382.3570	0.0120	0.0000	382.6565

3.6 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	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0286	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771
Total	1.1676	0.1993	0.2372	3.9000e-004		0.0123	0.0123		0.0123	0.0123	0.0000	33.3200	33.3200	2.2900e-003	0.0000	33.3771

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2146	0.1405	1.5186	4.0800e-003	0.4139	3.0900e-003	0.4170	0.1100	2.8400e-003	0.1129	0.0000	368.8585	368.8585	0.0107	0.0000	369.1263
Total	0.2146	0.1405	1.5186	4.0800e-003	0.4139	3.0900e-003	0.4170	0.1100	2.8400e-003	0.1129	0.0000	368.8585	368.8585	0.0107	0.0000	369.1263

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771
Total	1.1468	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	2.2900e-003	0.0000	33.3771

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.2146	0.1405	1.5186	4.0800e-003	0.4139	3.0900e-003	0.4170	0.1100	2.8400e-003	0.1129	0.0000	368.8585	368.8585	0.0107	0.0000	369.1263
Total	0.2146	0.1405	1.5186	4.0800e-003	0.4139	3.0900e-003	0.4170	0.1100	2.8400e-003	0.1129	0.0000	368.8585	368.8585	0.0107	0.0000	369.1263

3.6 Architectural Coating - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0266	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	1.1613	0.1831	0.2358	3.9000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1981	0.1251	1.3796	3.9200e-003	0.4124	2.9800e-003	0.4153	0.1096	2.7400e-003	0.1124	0.0000	354.3492	354.3492	9.5400e-003	0.0000	354.5877
Total	0.1981	0.1251	1.3796	3.9200e-003	0.4124	2.9800e-003	0.4153	0.1096	2.7400e-003	0.1124	0.0000	354.3492	354.3492	9.5400e-003	0.0000	354.5877

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463
Total	1.1424	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	2.1600e-003	0.0000	33.2463

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 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	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1981	0.1251	1.3796	3.9200e-003	0.4124	2.9800e-003	0.4153	0.1096	2.7400e-003	0.1124	0.0000	354.3492	354.3492	9.5400e-003	0.0000	354.5877
Total	0.1981	0.1251	1.3796	3.9200e-003	0.4124	2.9800e-003	0.4153	0.1096	2.7400e-003	0.1124	0.0000	354.3492	354.3492	9.5400e-003	0.0000	354.5877

3.6 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0249	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	1.1596	0.1694	0.2355	3.9000e-004		9.2100e-003	9.2100e-003		9.2100e-003	9.2100e-003	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1840	0.1119	1.2583	3.7700e-003	0.4124	2.9000e-003	0.4153	0.1096	2.6700e-003	0.1123	0.0000	341.1019	341.1019	8.5200e-003	0.0000	341.3149
Total	0.1840	0.1119	1.2583	3.7700e-003	0.4124	2.9000e-003	0.4153	0.1096	2.6700e-003	0.1123	0.0000	341.1019	341.1019	8.5200e-003	0.0000	341.3149

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419
Total	1.1424	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.9900e-003	0.0000	33.2419

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1840	0.1119	1.2583	3.7700e-003	0.4124	2.9000e-003	0.4153	0.1096	2.6700e-003	0.1123	0.0000	341.1019	341.1019	8.5200e-003	0.0000	341.3149
Total	0.1840	0.1119	1.2583	3.7700e-003	0.4124	2.9000e-003	0.4153	0.1096	2.6700e-003	0.1123	0.0000	341.1019	341.1019	8.5200e-003	0.0000	341.3149

3.6 Architectural Coating - 2024

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1434					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0237	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	1.1671	0.1597	0.2371	3.9000e-004		7.9800e-003	7.9800e-003		7.9800e-003	7.9800e-003	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2024

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1729	0.1013	1.1685	3.6600e-003	0.4155	2.8600e-003	0.4184	0.1105	2.6300e-003	0.1131	0.0000	330.5309	330.5309	7.7300e-003	0.0000	330.7241
Total	0.1729	0.1013	1.1685	3.6600e-003	0.4155	2.8600e-003	0.4184	0.1105	2.6300e-003	0.1131	0.0000	330.5309	330.5309	7.7300e-003	0.0000	330.7241

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1434					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.1778	0.2401	3.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947
Total	1.1512	0.1778	0.2401	3.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	33.4476	33.4476	1.8800e-003	0.0000	33.4947

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2024

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1729	0.1013	1.1685	3.6600e-003	0.4155	2.8600e-003	0.4184	0.1105	2.6300e-003	0.1131	0.0000	330.5309	330.5309	7.7300e-003	0.0000	330.7241
Total	0.1729	0.1013	1.1685	3.6600e-003	0.4155	2.8600e-003	0.4184	0.1105	2.6300e-003	0.1131	0.0000	330.5309	330.5309	7.7300e-003	0.0000	330.7241

3.6 Architectural Coating - 2025

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	1.1613	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2025

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1612	0.0911	1.0710	3.5000e-003	0.4139	2.7900e-003	0.4167	0.1100	2.5600e-003	0.1126	0.0000	316.1511	316.1511	6.9300e-003	0.0000	316.3245
Total	0.1612	0.0911	1.0710	3.5000e-003	0.4139	2.7900e-003	0.4167	0.1100	2.5600e-003	0.1126	0.0000	316.1511	316.1511	6.9300e-003	0.0000	316.3245

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	1.1468	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2025

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1612	0.0911	1.0710	3.5000e-003	0.4139	2.7900e-003	0.4167	0.1100	2.5600e-003	0.1126	0.0000	316.1511	316.1511	6.9300e-003	0.0000	316.3245
Total	0.1612	0.0911	1.0710	3.5000e-003	0.4139	2.7900e-003	0.4167	0.1100	2.5600e-003	0.1126	0.0000	316.1511	316.1511	6.9300e-003	0.0000	316.3245

3.6 Architectural Coating - 2026

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	1.1613	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2026

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1516	0.0829	0.9852	3.3700e-003	0.4139	2.6900e-003	0.4166	0.1100	2.4800e-003	0.1125	0.0000	304.7816	304.7816	6.2500e-003	0.0000	304.9379
Total	0.1516	0.0829	0.9852	3.3700e-003	0.4139	2.6900e-003	0.4166	0.1100	2.4800e-003	0.1125	0.0000	304.7816	304.7816	6.2500e-003	0.0000	304.9379

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	1.1468	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2026

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1516	0.0829	0.9852	3.3700e-003	0.4139	2.6900e-003	0.4166	0.1100	2.4800e-003	0.1125	0.0000	304.7816	304.7816	6.2500e-003	0.0000	304.9379
Total	0.1516	0.0829	0.9852	3.3700e-003	0.4139	2.6900e-003	0.4166	0.1100	2.4800e-003	0.1125	0.0000	304.7816	304.7816	6.2500e-003	0.0000	304.9379

3.6 Architectural Coating - 2027

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	1.1613	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2027

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1425	0.0755	0.9143	3.2500e-003	0.4139	2.5600e-003	0.4165	0.1100	2.3500e-003	0.1124	0.0000	294.2336	294.2336	5.6700e-003	0.0000	294.3753
Total	0.1425	0.0755	0.9143	3.2500e-003	0.4139	2.5600e-003	0.4165	0.1100	2.3500e-003	0.1124	0.0000	294.2336	294.2336	5.6700e-003	0.0000	294.3753

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	1.1468	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2027

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1425	0.0755	0.9143	3.2500e-003	0.4139	2.5600e-003	0.4165	0.1100	2.3500e-003	0.1124	0.0000	294.2336	294.2336	5.6700e-003	0.0000	294.3753
Total	0.1425	0.0755	0.9143	3.2500e-003	0.4139	2.5600e-003	0.4165	0.1100	2.3500e-003	0.1124	0.0000	294.2336	294.2336	5.6700e-003	0.0000	294.3753

3.6 Architectural Coating - 2028

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0222	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2376
Total	1.1569	0.1489	0.2352	3.9000e-004		6.7000e-003	6.7000e-003		6.7000e-003	6.7000e-003	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2376

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2028

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1326	0.0686	0.8491	3.1400e-003	0.4124	2.3800e-003	0.4147	0.1096	2.1900e-003	0.1118	0.0000	283.7690	283.7690	5.1500e-003	0.0000	283.8977
Total	0.1326	0.0686	0.8491	3.1400e-003	0.4124	2.3800e-003	0.4147	0.1096	2.1900e-003	0.1118	0.0000	283.7690	283.7690	5.1500e-003	0.0000	283.8977

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2375
Total	1.1424	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.8100e-003	0.0000	33.2375

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2028

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1326	0.0686	0.8491	3.1400e-003	0.4124	2.3800e-003	0.4147	0.1096	2.1900e-003	0.1118	0.0000	283.7690	283.7690	5.1500e-003	0.0000	283.8977
Total	0.1326	0.0686	0.8491	3.1400e-003	0.4124	2.3800e-003	0.4147	0.1096	2.1900e-003	0.1118	0.0000	283.7690	283.7690	5.1500e-003	0.0000	283.8977

3.6 Architectural Coating - 2029

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0223	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654
Total	1.1613	0.1495	0.2361	3.9000e-004		6.7200e-003	6.7200e-003		6.7200e-003	6.7200e-003	0.0000	33.3200	33.3200	1.8200e-003	0.0000	33.3654

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2029

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1232	0.0628	0.7939	3.0600e-003	0.4139	2.2300e-003	0.4162	0.1100	2.0500e-003	0.1121	0.0000	276.5344	276.5344	4.7000e-003	0.0000	276.6520
Total	0.1232	0.0628	0.7939	3.0600e-003	0.4139	2.2300e-003	0.4162	0.1100	2.0500e-003	0.1121	0.0000	276.5344	276.5344	4.7000e-003	0.0000	276.6520

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654
Total	1.1468	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.8200e-003	0.0000	33.3654

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2029

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1232	0.0628	0.7939	3.0600e-003	0.4139	2.2300e-003	0.4162	0.1100	2.0500e-003	0.1121	0.0000	276.5344	276.5344	4.7000e-003	0.0000	276.6520
Total	0.1232	0.0628	0.7939	3.0600e-003	0.4139	2.2300e-003	0.4162	0.1100	2.0500e-003	0.1121	0.0000	276.5344	276.5344	4.7000e-003	0.0000	276.6520

3.6 Architectural Coating - 2030

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537
Total	1.1561	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2030

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1140	0.0575	0.7426	2.9700e-003	0.4139	2.0800e-003	0.4160	0.1100	1.9100e-003	0.1119	0.0000	269.1708	269.1708	4.2900e-003	0.0000	269.2781
Total	0.1140	0.0575	0.7426	2.9700e-003	0.4139	2.0800e-003	0.4160	0.1100	1.9100e-003	0.1119	0.0000	269.1708	269.1708	4.2900e-003	0.0000	269.2781

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536
Total	1.1468	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2030

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1140	0.0575	0.7426	2.9700e-003	0.4139	2.0800e-003	0.4160	0.1100	1.9100e-003	0.1119	0.0000	269.1708	269.1708	4.2900e-003	0.0000	269.2781
Total	0.1140	0.0575	0.7426	2.9700e-003	0.4139	2.0800e-003	0.4160	0.1100	1.9100e-003	0.1119	0.0000	269.1708	269.1708	4.2900e-003	0.0000	269.2781

3.6 Architectural Coating - 2031

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537
Total	1.1561	0.1117	0.2346	3.9000e-004		2.6500e-003	2.6500e-003		2.6500e-003	2.6500e-003	0.0000	33.3200	33.3200	1.3500e-003	0.0000	33.3537

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2031

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1038	0.0523	0.6923	2.9000e-003	0.4139	1.9400e-003	0.4159	0.1100	1.7800e-003	0.1118	0.0000	262.6586	262.6586	3.9000e-003	0.0000	262.7561
Total	0.1038	0.0523	0.6923	2.9000e-003	0.4139	1.9400e-003	0.4159	0.1100	1.7800e-003	0.1118	0.0000	262.6586	262.6586	3.9000e-003	0.0000	262.7561

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1390					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536
Total	1.1468	0.1771	0.2391	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.3199	33.3199	1.3500e-003	0.0000	33.3536

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2031

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.1038	0.0523	0.6923	2.9000e-003	0.4139	1.9400e-003	0.4159	0.1100	1.7800e-003	0.1118	0.0000	262.6586	262.6586	3.9000e-003	0.0000	262.7561
Total	0.1038	0.0523	0.6923	2.9000e-003	0.4139	1.9400e-003	0.4159	0.1100	1.7800e-003	0.1118	0.0000	262.6586	262.6586	3.9000e-003	0.0000	262.7561

3.6 Architectural Coating - 2032

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1434					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0171	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4815
Total	1.1605	0.1122	0.2355	3.9000e-004		2.6600e-003	2.6600e-003		2.6600e-003	2.6600e-003	0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4815

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2032

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0954	0.0480	0.6514	2.8500e-003	0.4155	1.8100e-003	0.4173	0.1105	1.6700e-003	0.1121	0.0000	257.9412	257.9412	3.5700e-003	0.0000	258.0306
Total	0.0954	0.0480	0.6514	2.8500e-003	0.4155	1.8100e-003	0.4173	0.1105	1.6700e-003	0.1121	0.0000	257.9412	257.9412	3.5700e-003	0.0000	258.0306

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1434					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7900e-003	0.1778	0.2401	3.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4814
Total	1.1512	0.1778	0.2401	3.9000e-004		0.0125	0.0125		0.0125	0.0125	0.0000	33.4476	33.4476	1.3500e-003	0.0000	33.4814

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2032

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0954	0.0480	0.6514	2.8500e-003	0.4155	1.8100e-003	0.4173	0.1105	1.6700e-003	0.1121	0.0000	257.9412	257.9412	3.5700e-003	0.0000	258.0306
Total	0.0954	0.0480	0.6514	2.8500e-003	0.4155	1.8100e-003	0.4173	0.1105	1.6700e-003	0.1121	0.0000	257.9412	257.9412	3.5700e-003	0.0000	258.0306

3.6 Architectural Coating - 2033

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2259
Total	1.1517	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2259

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2033

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0872	0.0440	0.6092	2.7700e-003	0.4124	1.6800e-003	0.4140	0.1096	1.5500e-003	0.1112	0.0000	251.0252	251.0252	3.2600e-003	0.0000	251.1067
Total	0.0872	0.0440	0.6092	2.7700e-003	0.4124	1.6800e-003	0.4140	0.1096	1.5500e-003	0.1112	0.0000	251.0252	251.0252	3.2600e-003	0.0000	251.1067

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2258
Total	1.1424	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2258

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2033

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0872	0.0440	0.6092	2.7700e-003	0.4124	1.6800e-003	0.4140	0.1096	1.5500e-003	0.1112	0.0000	251.0252	251.0252	3.2600e-003	0.0000	251.1067
Total	0.0872	0.0440	0.6092	2.7700e-003	0.4124	1.6800e-003	0.4140	0.1096	1.5500e-003	0.1112	0.0000	251.0252	251.0252	3.2600e-003	0.0000	251.1067

3.6 Architectural Coating - 2034

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0170	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2259
Total	1.1517	0.1113	0.2337	3.9000e-004		2.6400e-003	2.6400e-003		2.6400e-003	2.6400e-003	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2259

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2034

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0806	0.0408	0.5738	2.7200e-003	0.4124	1.5700e-003	0.4139	0.1096	1.4400e-003	0.1111	0.0000	246.7186	246.7186	2.9900e-003	0.0000	246.7934
Total	0.0806	0.0408	0.5738	2.7200e-003	0.4124	1.5700e-003	0.4139	0.1096	1.4400e-003	0.1111	0.0000	246.7186	246.7186	2.9900e-003	0.0000	246.7934

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.1347					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7300e-003	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2258
Total	1.1424	0.1764	0.2382	3.9000e-004		0.0124	0.0124		0.0124	0.0124	0.0000	33.1923	33.1923	1.3400e-003	0.0000	33.2258

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2034

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0806	0.0408	0.5738	2.7200e-003	0.4124	1.5700e-003	0.4139	0.1096	1.4400e-003	0.1111	0.0000	246.7186	246.7186	2.9900e-003	0.0000	246.7934
Total	0.0806	0.0408	0.5738	2.7200e-003	0.4124	1.5700e-003	0.4139	0.1096	1.4400e-003	0.1111	0.0000	246.7186	246.7186	2.9900e-003	0.0000	246.7934

3.6 Architectural Coating - 2035

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	0.9427					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0127	0.0818	0.1938	3.2000e-004		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	27.5751	27.5751	1.0200e-003	0.0000	27.6006
Total	0.9554	0.0818	0.1938	3.2000e-004		1.0700e-003	1.0700e-003		1.0700e-003	1.0700e-003	0.0000	27.5751	27.5751	1.0200e-003	0.0000	27.6006

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2035

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0622	0.0319	0.4517	2.2300e-003	0.3426	1.2200e-003	0.3438	0.0911	1.1200e-003	0.0922	0.0000	201.9012	201.9012	2.3000e-003	0.0000	201.9586
Total	0.0622	0.0319	0.4517	2.2300e-003	0.3426	1.2200e-003	0.3438	0.0911	1.1200e-003	0.0922	0.0000	201.9012	201.9012	2.3000e-003	0.0000	201.9586

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	0.9427					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4200e-003	0.1466	0.1979	3.2000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	27.5751	27.5751	1.0200e-003	0.0000	27.6006
Total	0.9491	0.1466	0.1979	3.2000e-004		0.0103	0.0103		0.0103	0.0103	0.0000	27.5751	27.5751	1.0200e-003	0.0000	27.6006

Crossroads West - Stanislaus County - Stanislaus County, Annual

3.6 Architectural Coating - 2035

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0622	0.0319	0.4517	2.2300e-003	0.3426	1.2200e-003	0.3438	0.0911	1.1200e-003	0.0922	0.0000	201.9012	201.9012	2.3000e-003	0.0000	201.9586
Total	0.0622	0.0319	0.4517	2.2300e-003	0.3426	1.2200e-003	0.3438	0.0911	1.1200e-003	0.0922	0.0000	201.9012	201.9012	2.3000e-003	0.0000	201.9586

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Increase Density

Increase Transit Accessibility

Improve Pedestrian Network

Provide Traffic Calming Measures

Crossroads West - Stanislaus County - Stanislaus County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	7.0068	91.9625	66.7020	0.4777	37.3071	0.2073	37.5144	10.0153	0.1939	10.2091	0.0000	44,532.2601	44,532.2601	2.7925	0.0000	44,602.0726
Unmitigated	7.2846	94.3454	72.0764	0.5196	41.3375	0.2266	41.5641	11.0972	0.2119	11.3092	0.0000	48,423.8753	48,423.8753	2.8502	0.0000	48,495.1299

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	2,042.90	2,219.60	1881.70	5,994,152	5,409,722
City Park	79.38	955.50	703.08	626,878	565,758
Elementary School	774.00	0.00	0.00	1,219,016	1,100,162
Junior High School	1,620.00	0.00	0.00	2,601,482	2,347,837
Regional Shopping Center	23,485.00	27,483.50	13882.00	39,772,593	35,894,765
Regional Shopping Center	1,152.90	1,349.19	681.48	1,952,473	1,762,107
Single Family Housing	19,544.56	20,345.23	17696.86	56,845,956	51,303,475
Total	48,698.74	52,353.02	34,845.12	109,012,549	98,383,826

4.3 Trip Type Information

Crossroads West - Stanislaus County - Stanislaus County, Annual

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
Apartments Low Rise	10.80	7.30	7.50	48.40	13.90	37.70	86	11	3
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Elementary School	9.50	7.30	7.30	65.00	30.00	5.00	63	25	12
Junior High School	9.50	7.30	7.30	72.80	22.20	5.00	63	25	12
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Regional Shopping Center	9.50	7.30	7.30	16.30	64.70	19.00	54	35	11
Single Family Housing	10.80	7.30	7.50	48.40	13.90	37.70	86	11	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
City Park	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Elementary School	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Junior High School	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Regional Shopping Center	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460
Single Family Housing	0.559639	0.029013	0.181073	0.090332	0.009605	0.003398	0.026172	0.093096	0.001811	0.000879	0.003847	0.000675	0.000460

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Install High Efficiency Lighting

Crossroads West - Stanislaus County - Stanislaus County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	9,195.8619	9,195.8619	0.3200	0.0662	9,223.5888
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	0.0000	9,570.6663	9,570.6663	0.3330	0.0689	9,599.5232
NaturalGas Mitigated	0.3691	3.1843	1.5660	0.0201			0.2550	0.2550		0.2550	0.2550	0.0000	3,652.4284	3,652.4284	0.0700	0.0670	3,674.1329
NaturalGas Unmitigated	0.3691	3.1843	1.5660	0.0201			0.2550	0.2550		0.2550	0.2550	0.0000	3,652.4284	3,652.4284	0.0700	0.0670	3,674.1329

Crossroads West - Stanislaus County - Stanislaus County, Annual

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					
Apartments Low Rise	4.3823e+006	0.0236	0.2019	0.0859	1.2900e-003		0.0163	0.0163		0.0163	0.0163	0.0000	233.8564	233.8564	4.4800e-003	4.2900e-003	235.2461
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.25957e+006	6.7900e-003	0.0617	0.0519	3.7000e-004		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	67.2154	67.2154	1.2900e-003	1.2300e-003	67.6148
Junior High School	2.95197e+006	0.0159	0.1447	0.1216	8.7000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	157.5286	157.5286	3.0200e-003	2.8900e-003	158.4647
Regional Shopping Center	288900	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	15.4168	15.4168	3.0000e-004	2.8000e-004	15.5084
Regional Shopping Center	5.885e+006	0.0317	0.2885	0.2423	1.7300e-003		0.0219	0.0219		0.0219	0.0219	0.0000	314.0460	314.0460	6.0200e-003	5.7600e-003	315.9122
Single Family Housing	5.36762e+007	0.2894	2.4733	1.0525	0.0158		0.2000	0.2000		0.2000	0.2000	0.0000	2,864.3653	2,864.3653	0.0549	0.0525	2,881.3868
Total		0.3691	3.1843	1.5660	0.0201		0.2550	0.2550		0.2550	0.2550	0.0000	3,652.4283	3,652.4283	0.0700	0.0670	3,674.1329

Crossroads West - Stanislaus County - Stanislaus County, Annual

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					
Apartments Low Rise	4.3823e+006	0.0236	0.2019	0.0859	1.2900e-003		0.0163	0.0163		0.0163	0.0163	0.0000	233.8564	233.8564	4.4800e-003	4.2900e-003	235.2461
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Elementary School	1.25957e+006	6.7900e-003	0.0617	0.0519	3.7000e-004		4.6900e-003	4.6900e-003		4.6900e-003	4.6900e-003	0.0000	67.2154	67.2154	1.2900e-003	1.2300e-003	67.6148
Junior High School	2.95197e+006	0.0159	0.1447	0.1216	8.7000e-004		0.0110	0.0110		0.0110	0.0110	0.0000	157.5286	157.5286	3.0200e-003	2.8900e-003	158.4647
Regional Shopping Center	288900	1.5600e-003	0.0142	0.0119	8.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	15.4168	15.4168	3.0000e-004	2.8000e-004	15.5084
Regional Shopping Center	5.885e+006	0.0317	0.2885	0.2423	1.7300e-003		0.0219	0.0219		0.0219	0.0219	0.0000	314.0460	314.0460	6.0200e-003	5.7600e-003	315.9122
Single Family Housing	5.36762e+007	0.2894	2.4733	1.0525	0.0158		0.2000	0.2000		0.2000	0.2000	0.0000	2,864.3653	2,864.3653	0.0549	0.0525	2,881.3868
Total		0.3691	3.1843	1.5660	0.0201		0.2550	0.2550		0.2550	0.2550	0.0000	3,652.4283	3,652.4283	0.0700	0.0670	3,674.1329

Crossroads West - Stanislaus County - Stanislaus County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.45003e+006	548.1859	0.0191	3.9500e-003	549.8387
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	352137	133.1259	4.6300e-003	9.6000e-004	133.5273
Junior High School	825283	311.9991	0.0109	2.2500e-003	312.9399
Regional Shopping Center	220050	83.1901	2.8900e-003	6.0000e-004	83.4410
Regional Shopping Center	4.4825e+006	1,694.6140	0.0590	0.0122	1,699.7235
Single Family Housing	1.79858e+007	6,799.5511	0.2366	0.0490	6,820.0527
Total		9,570.6663	0.3330	0.0689	9,599.5232

Crossroads West - Stanislaus County - Stanislaus County, Annual

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	1.40984e+006	532.9906	0.0186	3.8400e-003	534.5976
City Park	0	0.0000	0.0000	0.0000	0.0000
Elementary School	328140	124.0536	4.3200e-003	8.9000e-004	124.4277
Junior High School	769041	290.7370	0.0101	2.0900e-003	291.6136
Regional Shopping Center	204023	77.1310	2.6800e-003	5.6000e-004	77.3636
Regional Shopping Center	4.15602e+006	1,571.1879	0.0547	0.0113	1,575.9253
Single Family Housing	1.74573e+007	6,599.7618	0.2296	0.0475	6,619.6610
Total		9,195.8619	0.3200	0.0662	9,223.5888

6.0 Area Detail

6.1 Mitigation Measures Area

- Use Low VOC Paint - Residential Interior
- Use Low VOC Paint - Residential Exterior
- Use Low VOC Paint - Non-Residential Interior
- Use Low VOC Paint - Non-Residential Exterior
- Use only Natural Gas Hearths

Crossroads West - Stanislaus County - Stanislaus County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	21.6135	1.0858	17.8803	6.5700e-003		0.1688	0.1688		0.1688	0.1688	0.0000	1,052.369 1	1,052.369 1	0.0470	0.0188	1,059.136 9
Unmitigated	21.6135	1.0858	17.8803	6.5700e-003		0.1688	0.1688		0.1688	0.1688	0.0000	1,052.369 1	1,052.369 1	0.0470	0.0188	1,059.136 9

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	1.8399					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	19.1456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1034	0.8839	0.3761	5.6400e-003		0.0715	0.0715		0.0715	0.0715	0.0000	1,023.669 1	1,023.669 1	0.0196	0.0188	1,029.752 2
Landscaping	0.5246	0.2019	17.5042	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7000	28.7000	0.0274	0.0000	29.3846
Total	21.6136	1.0858	17.8803	6.5700e-003		0.1688	0.1688		0.1688	0.1688	0.0000	1,052.369 1	1,052.369 1	0.0470	0.0188	1,059.136 9

Crossroads West - Stanislaus County - Stanislaus County, Annual

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	1.8399					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	19.1456					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1034	0.8839	0.3761	5.6400e-003		0.0715	0.0715		0.0715	0.0715	0.0000	1,023.6691	1,023.6691	0.0196	0.0188	1,029.7522
Landscaping	0.5246	0.2019	17.5042	9.3000e-004		0.0974	0.0974		0.0974	0.0974	0.0000	28.7000	28.7000	0.0274	0.0000	29.3846
Total	21.6136	1.0858	17.8803	6.5700e-003		0.1688	0.1688		0.1688	0.1688	0.0000	1,052.3691	1,052.3691	0.0470	0.0188	1,059.1369

7.0 Water Detail

7.1 Mitigation Measures Water

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

Crossroads West - Stanislaus County - Stanislaus County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	667.9445	6.5569	0.1587	879.1510
Unmitigated	716.4450	6.5585	0.1590	927.7978

Crossroads West - Stanislaus County - Stanislaus County, Annual

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	20.1977 / 12.7334	64.5735	0.6602	0.0160	85.8335
City Park	0 / 50.0422	66.2148	2.3000e-003	4.8000e-004	66.4145
Elementary School	1.45454 / 3.74026	8.3860	0.0477	1.1800e-003	9.9283
Junior High School	2.42424 / 6.23376	13.9766	0.0795	1.9600e-003	16.5471
Regional Shopping Center	42.7398 / 26.1954	135.6507	1.3969	0.0338	180.6352
Single Family Housing	133.761 / 84.3277	427.6435	4.3720	0.1057	568.4393
Total		716.4450	6.5585	0.1590	927.7978

Crossroads West - Stanislaus County - Stanislaus County, Annual

7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	20.1977 / 10.1867	61.2038	0.6601	0.0159	82.4536
City Park	0 / 40.0338	52.9718	1.8400e-003	3.8000e-004	53.1316
Elementary School	1.45454 / 2.9922	7.3962	0.0476	1.1700e-003	8.9355
Junior High School	2.42424 / 4.98701	12.3269	0.0794	1.9500e-003	14.8924
Regional Shopping Center	42.7398 / 20.9563	128.7184	1.3967	0.0337	173.6821
Single Family Housing	133.761 / 67.4622	405.3273	4.3712	0.1055	546.0558
Total		667.9445	6.5569	0.1587	879.1510

8.0 Waste Detail

8.1 Mitigation Measures Waste

Crossroads West - Stanislaus County - Stanislaus County, Annual

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	641.0414	37.8845	0.0000	1,588.1529
Unmitigated	641.0414	37.8845	0.0000	1,588.1529

Crossroads West - Stanislaus County - Stanislaus County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	142.6	28.9465	1.7107	0.0000	71.7138
City Park	3.61	0.7328	0.0433	0.0000	1.8155
Elementary School	109.5	22.2275	1.3136	0.0000	55.0677
Junior High School	182.5	37.0459	2.1894	0.0000	91.7795
Regional Shopping Center	605.85	122.9821	7.2680	0.0000	304.6829
Single Family Housing	2113.92	429.1067	25.3595	0.0000	1,063.0936
Total		641.0414	37.8845	0.0000	1,588.1530

Crossroads West - Stanislaus County - Stanislaus County, Annual

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	142.6	28.9465	1.7107	0.0000	71.7138
City Park	3.61	0.7328	0.0433	0.0000	1.8155
Elementary School	109.5	22.2275	1.3136	0.0000	55.0677
Junior High School	182.5	37.0459	2.1894	0.0000	91.7795
Regional Shopping Center	605.85	122.9821	7.2680	0.0000	304.6829
Single Family Housing	2113.92	429.1067	25.3595	0.0000	1,063.0936
Total		641.0414	37.8845	0.0000	1,588.1530

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

Crossroads West - Stanislaus County - Stanislaus County, Annual

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

User Defined Equipment

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

11.0 Vegetation

Off-road Mobile (Construction) Energy Usage

Note: For the sake of simplicity, and as a conservative estimation, it was assumed that all off-road vehicles use diesel fuel as an energy source. Off-road mobile vehicle on-site gallons of fuel (for the site preparation and grading phases) are calculated below.

Given Factor:	297.83 metric tons	CO2	(provided in CalEEMod Output File)
Conversion Factor:	2204.62 pounds	per metric ton	
Intermediate Result:	656,605.50 pounds	CO2	
Conversion Factor:	22.38 pounds	CO2 per 1 gallon of diesel fuel	(Source: U.S. EIA, 2016.
Final Result:	29,338.94 gallons	diesel fuel	Website: http://www.eia.gov/tools/faqs/faq.cfm?id=307&t=11)

On-road Mobile (Operational) Energy Usage

Note: For the sake of simplicity, it was assumed that passenger vehicles, light duty trucks, motorcycles, and mobile homes use gasoline, and all medium-duty trucks, heavy-duty trucks, and buses use diesel fuel.

Unmitigated:

Step 1: **Total Net Daily Trips (conservatively estimated)**

33,163

Res H-W *Res H-S* *Res H-O*
Trip Length (miles) (provided by CalEEMod)

10.8 7.3 7.5

Trip % (conservatively estimated)

48.40% 13.90% 37.70%

Average Trip Length (weighted average)

9.0694

Therefore:

Average Daily VMT:

300,769

Step 2:

Given:

Fleet Mix (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
55.3%	3.0%	18.0%	9.5%	1.2%	0.4%	2.6%	9.2%	0.2%	0.1%	0.4%	0.1%	0.1%

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2	MDV	MCY	MH	OBUS
36.82196858	32.03958	28.552118	20.28624122	35.61395496	6.789884295	6.7554629

Diesel MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LHD1	LHD2	MHD	HHD	UBUS	SBUS
18.02164482	16.726425	8.5071097	5.953242811	5.16728542	7.406511959

Therefore:

Weighted Average MPG Factors

Gasoline: **33.0** Diesel: **7.8**

Step 3:

Therefore:

7,848 daily gallons of gasoline

5,311 daily gallons of diesel

or

2,864,399 annual gallons of gasoline	1,938,476 annual gallons of diesel
---	---

On-road Mobile (Construction) Energy Usage - Site Preparation

Step 1: **Total Daily Worker Trips (provided by CalEEMod)**

18

Worker Trip Length (miles) (provided by CalEEMod)

10.8

Therefore:

Average Worker Daily VMT:

194

Step 2: Given:

Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2
0.3333333	0.3333333	0.3333333

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2
36.821969	32.03958	28.552118

Therefore:

Weighted Average Worker MPG Factor

32.5

Step 3: **Therefore:**

6.0 Worker daily gallons of gasoline

Step 4: 67 # of Days (see CalEEMod)

Therefore:

Result: 401 Total gallons of gasoline

On-road Mobile (Construction) Energy Usage - Grading

Step 1: **Total Daily Worker Trips (provided by CalEEMod)**

20

Worker Trip Length (miles) (provided by CalEEMod)

10.8

Therefore:

Average Worker Daily VMT:

216

Step 2: **Given:**

Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2
0.3333333	0.3333333	0.3333333

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2
36.821969	32.03958	28.552118

Therefore:

Weighted Average Worker MPG Factor

32.5

Step 3: **Therefore:**

6.7 Worker daily gallons of gasoline

Step 4: **65 # of Days (see CalEEMod)**

Therefore:

Result: 432 Total gallons of gasoline

On-road Mobile (Construction) Energy Usage - Building Construction

Step 1:	Total Daily Worker Trips (provided by CalEEMod) 1,986	Total Daily Vendor Trips (provided by CalEEMod) 675	Total Daily Hauler Trips (provided by CalEEMod) 0
	Worker Trip Length (miles) (provided by CalEEMod) 10.8	Vendor Trip Length (miles) (provided by CalEEMod) 7.3	Hauling Trip Length (miles) (provided by CalEEMod) 0
	Therefore: Average Worker Daily VMT: 21,448.80	Average Vendor Daily VMT: 4,928	Average Hauling Daily VMT: -

Step 2: Given:

Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2
0.33333333	0.33333333	0.33333333

Assumed Fleet Mix for Vendors (provided by CalEEMod v2016.3.1)

	MHD	HHD
	0.5	0.5

And:

MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

Gasoline:

LDA	LDT1	LDT2
36.8219686	32.03958	28.55212

Diesel:

MHD	HHD
8.507109719	5.953243

Therefore:

Weighted Average Worker (Gasoline) MPG Factor
32.5

Weighted Average Vendor (Diesel) MPG Factor
7.2

Weighted Average Hauling MPG Factor
0.0

Step 3: **Therefore:**
661 Worker daily gallons of gasoline

Therefore:
682 Vendor daily gallons of diesel

Therefore:
0.0

Step 4: 4173 # of Days (see CalEEMod)

Therefore:
2,756,467 Total gallons of gasoline

Therefore:
2,843,977 Total gallons of diesel

On-road Mobile (Construction) Energy Usage - Paving

Step 1: **Total Daily Worker Trips (provided by CalEEMod)**

15

Worker Trip Length (miles) (provided by CalEEMod)

10.8

Therefore:

Average Worker Daily VMT:

162

Step 2: **Given:**

Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2
0.3333333	0.3333333	0.3333333

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2
36.821969	32.03958	28.552118

Therefore:

Weighted Average Worker MPG Factor

32.5

Step 3: **Therefore:**

5.0 Worker daily gallons of gasoline

Step 4: **260 # of Days (see CalEEMod)**

Therefore:

Result: 1,297 Total gallons of gasoline

On-road Mobile (Construction) Energy Usage - Architectural Coating

Step 1: **Total Daily Worker Trips (provided by CalEEMod)**

397

Worker Trip Length (miles) (provided by CalEEMod)

10.8

Therefore:

Average Worker Daily VMT:

4,288

Step 2: **Given:**

Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2
0.3333333	0.3333333	0.3333333

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2
36.821969	32.03958	28.552118

Therefore:

Weighted Average Worker MPG Factor

32.5

Step 3: **Therefore:**

132.0 Worker daily gallons of gasoline

Step 4: **4216 # of Days (see CalEEMod)**

Therefore:

Result: 556,694 Total gallons of gasoline

EMFAC2014 (v1.0.7) Emissions Inventory

Region Type: County

Region: Stanislaus

Calendar Year: 2030

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	Fuel	VMT	Fuel_Consumption	MPG (derived)
Stanislaus	2030	All Other Buses	DSL	9650.577203	1.146032163	
Stanislaus	2030	LDA	GAS	6116906.484	166.1211152	36.82196858
Stanislaus	2030	LDA	DSL	80601.20566	1.677611062	
Stanislaus	2030	LDA	ELEC	830080.5266	0	
Stanislaus	2030	LDT1	GAS	375564.7983	11.72190135	32.03958019
Stanislaus	2030	LDT1	DSL	221.1545853	0.005502824	
Stanislaus	2030	LDT1	ELEC	226.4869051	0	
Stanislaus	2030	LDT2	GAS	2277749.602	79.77515412	28.55211785
Stanislaus	2030	LDT2	DSL	4921.186058	0.131553714	
Stanislaus	2030	LHD1	GAS	58317.41974	5.869766305	
Stanislaus	2030	LHD1	DSL	96795.26621	5.371056148	18.02164482
Stanislaus	2030	LHD2	GAS	13112.79963	1.424094673	
Stanislaus	2030	LHD2	DSL	33975.00908	2.031217562	16.72642543
Stanislaus	2030	MCY	GAS	50748.51837	1.424961604	35.61395496
Stanislaus	2030	MDV	GAS	1178527.984	58.09494088	20.28624122
Stanislaus	2030	MDV	DSL	29125.17178	1.0162605	
Stanislaus	2030	MH	GAS	5320.458476	0.783586029	6.789884295
Stanislaus	2030	MH	DSL	1586.780095	0.163041048	9.732396328
Stanislaus	2030	Motor Coach	DSL	5584.608378	0.950503053	
Stanislaus	2030	OBUS	GAS	7847.18347	1.161605582	6.755462946
Stanislaus	2030	PTO	DSL	27912.20512	5.124930821	
Stanislaus	2030	SBUS	GAS	4016.390042	0.34355134	
Stanislaus	2030	SBUS	DSL	5511.146198	0.744094687	7.406511959
Stanislaus	2030	T6 Ag	DSL	9780.772282	1.227676139	7.966899387
Stanislaus	2030	T6 CAIRP heavy	DSL	2258.227363	0.256610358	8.800219045
Stanislaus	2030	T6 CAIRP small	DSL	6932.200658	0.803753173	8.624787919
Stanislaus	2030	T6 instate construction	DSL	13205.45229	1.561453766	8.457152288
Stanislaus	2030	T6 instate construction	DSL	56711.37597	6.64039792	8.540358072
Stanislaus	2030	T6 instate heavy	DSL	62715.06358	7.282581223	8.611653157
Stanislaus	2030	T6 instate small	DSL	158215.631	18.59044641	8.510588048
Stanislaus	2030	T6 OOS heavy	DSL	1293.879411	0.147053033	8.798726448
Stanislaus	2030	T6 OOS small	DSL	3971.890454	0.460520362	8.624787919
Stanislaus	2030	T6 Public	DSL	5703.310749	0.692612779	8.23448675
Stanislaus	2030	T6 utility	DSL	1007.919996	0.119868497	8.408547872
Stanislaus	2030	T6TS	GAS	14192.12071	2.132992703	
Stanislaus	2030	T7 Ag	DSL	4551.077467	0.967134806	4.70573227
Stanislaus	2030	T7 CAIRP	DSL	216089.3276	32.84239785	6.579584372
Stanislaus	2030	T7 CAIRP construction	DSL	9367.847228	1.466816318	6.386516917
Stanislaus	2030	T7 NNOOS	DSL	267951.0351	40.95628995	6.54236591
Stanislaus	2030	T7 NOOS	DSL	85355.2207	13.18955629	6.471424727
Stanislaus	2030	T7 other port	DSL	4276.215598	0.628707851	6.801594083
Stanislaus	2030	T7 POAK	DSL	15236.34941	2.26764384	6.719022245
Stanislaus	2030	T7 POLA	DSL	28034.87502	4.293263733	6.529968052
Stanislaus	2030	T7 Public	DSL	7016.427253	1.341977638	5.228423375
Stanislaus	2030	T7 Single	DSL	140571.4442	21.34389219	6.586026715
Stanislaus	2030	T7 single construction	DSL	24233.38822	3.739163018	6.480965955
Stanislaus	2030	T7 SWCV	DSL	7895.130905	3.279677068	2.407289115
Stanislaus	2030	T7 tractor	DSL	314355.6066	46.42537781	6.771201904
Stanislaus	2030	T7 tractor construction	DSL	18067.78201	2.78144104	6.495834982
Stanislaus	2030	T7 utility	DSL	323.8854078	0.058178816	5.567067744
Stanislaus	2030	T7IS	GAS	1967.960535	0.39689794	
Stanislaus	2030	UBUS	GAS	5309.200661	1.027464177	5.16728542
Stanislaus	2030	UBUS	DSL	6338.327924	1.253769273	

8.50711 Note: Average of T6

5.953243 Note: Average of T7

Cattle Biogenic GHG (CO₂e) Emissions Calculations

Factors:

570 Number of dairy cows under the existing scenario

Source: Project Applicant

20 Average grams of methane produced by dairy cows per kilogram of dry matter intake

Source: Food and Agriculture Organization of the United Nations. 2013. Mitigation of Greenhouse Gas Emissions in Livestock Productio

22 Kilograms of dry matter intake per day per one adult dairy cow

Source: National Research Council. 2001. Nutrient Requirements of Dairy Cattle. <https://www.nap.edu/catalog/9825/nutrient-require>

21 Global Warming Potential (GWP) of methane (100-year)

Source: United Nations, 1995. The Science of Climate Change: Summary for Policymakers and Technical Summary of the Working Grou

365 Days in a Year

1,000,000 Grams per Metric Ton (MT)

Biogenic Dairy Cattle GHG Calculations:

Formula: Metric tons of CO₂e from dairy cattle = (N x K x A x G x Y)/C

		<u>Factors:</u>	
Where:	N	equals	number of cows
	K	equals	kilograms of dry matter intake per day per adult dairy cow
	A	equals	average grams of methane produced by dairy cows per kilogram of dry matter intake
	G	equals	GWP of methane (100-year)
	Y	equals	days in a year
	C	equals	grams per metric ton

Result: **1,922 MT** **CO₂e**

Off-road Mobile (Construction) Energy Usage

Note: For the sake of simplicity, and as a conservative estimation, it was assumed that all off-road vehicles use diesel fuel as an energy source. Off-road mobile vehicle on-site gallons of fuel (for the site preparation and grading phases) are calculated below.

Given Factor:	302.89 metric tons	CO2	(provided in CalEEMod Output File)
Conversion Factor:	2204.62 pounds	per metric ton	
Intermediate Result:	667,762 pounds	CO2	
Conversion Factor:	22.38 pounds	CO2 per 1 gallon of diesel fuel	(Source: U.S. EIA, 2016.
Final Result:	29,837.46 gallons	diesel fuel	Website: http://www.eia.gov/tools/faqs/faq.cfm?id=307&t=11)

On-road Mobile (Construction) Energy Usage - Site Preparation

Step 1: **Total Daily Worker Trips (provided by CalEEMod)**

18

Worker Trip Length (miles) (provided by CalEEMod)

10.8

Therefore:

Average Worker Daily VMT:

194

Step 2: Given:

Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2
0.3333333	0.3333333	0.3333333

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2
36.821969	32.03958	28.55212

Therefore:

Weighted Average Worker MPG Factor

32.5

Step 3: **Therefore:**

6.0 Worker daily gallons of gasoline

Step 4: 67 # of Days (see CalEEMod)

Therefore:

Result: 401 Total gallons of gasoline

On-road Mobile (Construction) Energy Usage - Grading

Step 1: **Total Daily Worker Trips (provided by CalEEMod)**

20

Worker Trip Length (miles) (provided by CalEEMod)

10.8

Therefore:

Average Worker Daily VMT:

216

Step 2: Given:

Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2
0.3333333	0.3333333	0.3333333

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2
36.821969	32.03958	28.55212

Therefore:

Weighted Average Worker MPG Factor

32.5

Step 3: **Therefore:**

6.7 Worker daily gallons of gasoline

Step 4: 65 # of Days (see CalEEMod)

Therefore:

Result: 432 Total gallons of gasoline

On-road Mobile (Construction) Energy Usage - Building Construction

Step 1:	Total Daily Worker Trips (provided by CalEEMod) 1,986	Total Daily Vendor Trips (provided by CalEEMod) 675	Total Daily Hauler Trips (provided by CalEEMod) 0
	Worker Trip Length (miles) (provided by CalEEMod) 10.8	Vendor Trip Length (miles) (provided by CalEEMod) 7.3	Hauling Trip Length (miles) (provided by CalEEMod) 0
	Therefore: Average Worker Daily VMT: 21,448.80	Average Vendor Daily VMT: 4,928	Average Hauling Daily VMT: -
Step 2:	Given:		
	Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)		
	LDA	LDT1	LDT2
	0.33333333	0.333333	0.333333
	Assumed Fleet Mix for Vendors (provided by CalEEMod v2016.3.1)		
		MHD	HHD
		0.5	0.5
	And:		
	MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020		
	<u>Gasoline:</u>		<u>Diesel:</u>
	LDA	LDT1	LDT2
	36.8219686	32.03958	28.55212
		MHD	HHD
		8.507109719	5.953243
	Therefore:		
	Weighted Average Worker (Gasoline) MPG Factor 32.5	Weighted Average Vendor (Diesel) MPG Factor 7.2	Weighted Average Hauling MPG Factor 0.0
Step 3:	Therefore: 661 Worker daily gallons of gasoline	Therefore: 682 Vendor daily gallons of diesel	Therefore: 0.0
Step 4:	4173 # of Days (see CalEEMod)		
	Therefore: 2,756,467 Total gallons of gasoline	Therefore: 2,843,977 Total gallons of diesel	

On-road Mobile (Construction) Energy Usage - Paving

Step 1: **Total Daily Worker Trips (provided by CalEEMod)**

15

Worker Trip Length (miles) (provided by CalEEMod)

10.8

Therefore:

Average Worker Daily VMT:

162

Step 2: Given:

Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2
0.3333333	0.3333333	0.3333333

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2
36.821969	32.03958	28.55212

Therefore:

Weighted Average Worker MPG Factor

32.5

Step 3: **Therefore:**

5.0 Worker daily gallons of gasoline

Step 4: 260 # of Days (see CalEEMod)

Therefore:

Result: 1,297 Total gallons of gasoline

On-road Mobile (Construction) Energy Usage - Architectural Coating

Step 1: **Total Daily Worker Trips (provided by CalEEMod)**

397

Worker Trip Length (miles) (provided by CalEEMod)

10.8

Therefore:

Average Worker Daily VMT:

4,288

Step 2: Given:

Assumed Fleet Mix for Workers (provided by CalEEMod v2016.3.1)

LDA	LDT1	LDT2
0.3333333	0.3333333	0.3333333

And:

Gasoline MPG Factors for each Vehicle Class (from EMFAC2014) - Year 2020

LDA	LDT1	LDT2
36.821969	32.03958	28.55212

Therefore:

Weighted Average Worker MPG Factor

32.5

Step 3: **Therefore:**

132.0 Worker daily gallons of gasoline

Step 4: **4216 # of Days (see CalEEMod)**

Therefore:

Result: 556,694 Total gallons of gasoline

Cattle Biogenic GHG (CO₂e) Emissions Calculations

Factors:

570 Number of dairy cows under the existing scenario

Source: Project Applicant

20 Average grams of methane produced by dairy cows per kilogram of dry matter intake

Source: Food and Agriculture Organization of the United Nations. 2013. Mitigation of Greenhouse Gas Emissions in Livestock Productic

22 Kilograms of dry matter intake per day per one adult dairy cow

Source: National Research Council. 2001. Nutrient Requirements of Dairy Cattle. <https://www.nap.edu/catalog/9825/nutrient-require>

21 Global Warming Potential (GWP) of methane (100-year)

Source: United Nations, 1995. The Science of Climate Change: Summary for Policymakers and Technical Summary of the Working Grou

365 Days in a Year

1,000,000 Grams per Metric Ton (MT)

Biogenic Dairy Cattle GHG Calculations:

Formula: Metric tons of CO₂e from dairy cattle = (N x K x A x G x Y)/C

		<u>Factors:</u>	
Where:	N	equals	number of cows
	K	equals	kilograms of dry matter intake per day per adult dairy cow
	A	equals	average grams of methane produced by dairy cows per kilogram of dry matter intake
	G	equals	GWP of methane (100-year)
	Y	equals	days in a year
	C	equals	grams per metric ton

Result: **1,922 MT** **CO₂e**