

Appendix A

Air Quality and Greenhouse Gas Modeling

Crawford Canyon Air Quality Emissions Summary

Regional	ROG	NOX	CO	SO2	PM10 Total	PM2.5 Total
Crawford Canyon Park						
Clearing and Grubbing	2.89	27.41	19.02	0.05	3.92	2.53
Grading	3.82	40.54	25.93	0.07	4.50	2.92
Paving and Construction	4.71	46.35	32.87	0.08	2.37	1.96
Landscaping	0.25	2.73	4.49	0.01	0.45	0.20
Sidewalk Extension						
Site Preparation	0.71	8.22	6.10	0.01	0.71	0.37
Demolition	1.24	10.94	15.42	0.03	0.82	0.60
Utility Relocation	1.07	8.09	7.10	0.03	0.43	0.31
Storm Drain Construction	1.10	8.14	10.95	0.02	0.69	0.42
Sidewalk Construction (Newport)	0.53	4.54	5.48	0.01	0.45	0.26
Sidewalk Construction (Crawford)	0.57	4.79	5.69	0.01	0.46	0.27
Traffic Signal Modification	1.13	10.90	8.82	0.03	0.73	0.47
Paving	0.78	7.64	10.30	0.02	0.57	0.41
Overlapping Phases						
Park Landscaping + Sidewalk Site Prep + Sidewalk Demo	2.20	21.90	26.02	0.05	1.98	1.17
Sidewalk Utility Relocation + Storm Drain Construction	2.17	16.23	18.05	0.05	1.12	0.73
Sidewalk Utility Relocation + Storm Drain Construction + Sidewalk Construction (Newport)	2.70	20.77	23.54	0.06	1.57	0.98
Sidewalk Construction (Newport) + Storm Drain Construction + Traffic Signal Mod	2.76	23.58	25.26	0.06	1.87	1.14
Sidewalk Construction (Newport) + Traffic Signal Mod	1.66	15.44	14.31	0.04	1.18	0.72
Daily Maximum Emissions						
SCAQMD Regional Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Crawford Canyon Air Quality Emissions Summary

Localized				
	NOX	CO	PM10	PM2.5
Crawford Canyon Park				
Clearing and Grubbing	27.37	18.45	3.71	2.47
Grading	36.41	23.47	3.96	2.76
Paving and Construction	46.19	31.86	2.03	1.86
Landscaping	2.60	3.63	0.12	0.11
Sidewalk Extension				
Site Preparation	8.19	5.64	0.53	0.32
Demolition	10.32	14.52	0.54	0.52
Utility Relocation	8.07	6.75	0.29	0.27
Storm Drain Construction	7.12	9.52	0.33	0.32
Sidewalk Construction (Newport)	3.54	4.28	0.18	0.18
Sidewalk Construction (Crawford)	3.79	4.49	0.19	0.19
Traffic Signal Modification	9.89	7.51	0.41	0.38
Paving	7.61	9.84	0.39	0.36
Overlapping Phases				
Park Landscaping + Sidewalk Site Prep + Sidewalk Demo	21.11	23.78	1.20	0.96
Sidewalk Utility Relocation + Storm Drain Construction	15.19	16.27	0.63	0.59
Sidewalk Utility Relocation + Storm Drain Construction + Sidewalk Construction (Newport)	18.73	20.55	0.81	0.77
Sidewalk Construction (Newport) + Storm Drain Construction + Traffic Signal Mod	20.55	21.31	0.92	0.88
Sidewalk Construction (Newport) + Traffic Signal Mod	13.43	11.79	0.59	0.56
Daily Maximum Emissions				
SCAQMD Localized Threshold	46.19	31.86	3.96	2.76
Exceeds Threshold?	131	993	6	4
	No	No	No	No

Crawford Canyon GHG Emissions Summary

Construction

Crawford Canyon Park

		Onsite (MTCO2e)	Mobile (MTCO2e)	Total (MTCO2e)
Clearing and grubbing	2021	40.18	1.60	42
Grading	2021	153.60	44.33	198
Paving and Construction	2021	180.38	11.71	192
Paving and Construction	2022	97.17	11.71	109
landscaping	2022	20.64	11.96	33

Sidewalk Extension

		Onsite (MTCO2e)	Mobile (MTCO2e)	Total (MTCO2e)
Site Preparation	2022	3.21	0.41	4
Demolition	2022	15.14	2.92	18
Utility Relocation	2022	12.93	0.57	13
Storm Drain Construction	2022	19.87	9.15	29
Sidewalk Construction (Newport)	2022	5.04	3.89	9
Sidewalk Construction (Crawford)	2022	5.29	3.89	9
Traffic Signal Modification	2022	10.79	2.86	14
Paving	2022	10.65	0.07	11

Total Construction Emissions (MTCO2e)				680
Amortized Emissions (30 years) (MTCO2e)				23

Park



Emissions Summary



Air Quality Construction Analysis

Unmitigated Construction Scenario

Regional	lbs/day					
	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
Clearing and Grubbing	2.9	27.4	19.0	0.0	3.9	2.5
Grading	3.8	40.5	25.9	0.1	4.5	2.9
Paving and Construction	4.7	46.3	32.9	0.1	2.4	2.0
Landscaping	0.3	2.7	4.5	0.0	0.4	0.2
Daily Maximum Emissions	4.7	46.3	32.9	0.1	4.5	2.9
SCAQMD Regional Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Air Quality Construction Analysis

Unmitigated Construction Scenario				
Localized Emissions Summary	NOX	CO	PM10 Total	Total PM2.5
	lb/hr			
Clearing and Grubbing	27.4	18.4	3.7	2.5
Grading	36.4	23.5	4.0	2.8
Paving and Construction	46.2	31.9	2.0	1.9
Landscaping	2.6	3.6	0.1	0.1
Daily Maximum Emissions	46.2	31.9	4.0	2.8
SCAQMD Localized Threshold	131	993	6	4
Exceeds Threshold?	No	No	No	No

Air Quality Construction Analysis

summer	Onsite Construction Emissions (CalEEMod) + Onsite Idling (EMFAC2017)										Offsite Construction Emissions - Running (EMFAC2017)									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
Clearing and Grubbing	2.88	27.37	18.45	0.05	2.44	1.27	3.71	1.30	1.17	2.47	0.01	0.04	0.57	0.00	0.20	0.00	0.20	0.05	0.00	0.05
Grading	3.65	36.41	23.47	0.06	2.37	1.59	3.96	1.29	1.46	2.76	0.17	4.13	2.46	0.01	0.52	0.02	0.54	0.14	0.02	0.16
Paving and Construction	4.69	46.19	31.86	0.08	0.00	2.03	2.03	0.00	1.86	1.86	0.02	0.15	1.01	0.00	0.34	0.00	0.34	0.09	0.00	0.09
Landscaping	0.23	2.60	3.63	0.01	0.00	0.12	0.12	0.00	0.11	0.11	0.02	0.13	0.87	0.00	0.32	0.00	0.32	0.08	0.00	0.09
Regional Emissions - ALL	Regional Emissions (On-Site Construction + Worker + Visitors +Vendor+Haul)																			
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5										
Clearing and Grubbing	2.89	27.41	19.02	0.05	2.64	1.27	3.92	1.35	1.17	2.53										
Grading	3.82	40.54	25.93	0.07	2.89	1.61	4.50	1.43	1.49	2.92										
Paving and Construction	4.71	46.35	32.87	0.08	0.34	2.03	2.37	0.09	1.87	1.96										
Landscaping	0.25	2.73	4.49	0.01	0.32	0.13	0.45	0.08	0.12	0.20										
Maximum Daily Emissions	4.71	46.35	32.87	0.08	2.89	2.03	4.50	1.43	1.87	2.92										

GHG Emissions Summary

Construction Summary

		Onsite	Mobile	Total
Clearing and grubbing	2021	40	2	42
Grading	2021	154	44	198
Paving and Construction	2021	180	12	192
Paving and Construction	2022	97	12	109
landscaping	2022	21	12	33
			Total	573
			Amortized	19.11

Greenhouse Gas Emissions Inventory

Area	0.00007
Electricity	12
Natural Gas	0
Mobile	82
Waste	<1
Water	11
Construction	19
Total	124

Onroad Emissions



Total On-Road Emissions

Total On-Road Emissions

Construction Phase	260 Max construction days per year						Regional Emissions (pounds/day)										(MT/yr)
	Daily One-Way Trips	Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	Total CO2e	
Clearing and Grubbing																	
Total Haul Trips	0																
Clearing and Hauling	0	20	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2021 Vendor	0	20	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2021 Worker	18	20	8	14.7	0	0.01	0.04	0.57	0.00	0.20	0.00	0.20	0.05	0.00	0.05	1.60	
Onroad Emissions - Clearing and Grubbing						0.01	0.04	0.57	0.00	0.20	0.00	0.20	0.05	0.00	0.05	1.60	
Grading																	
Total Haul Trips	989																
2021 Hauling	17	60	8	20	15	0.16	4.08	1.82	0.01	0.30	0.02	0.32	0.08	0.02	0.10	39.00	
2021 Vendor	0	60	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2021 Worker	20	60	8	14.7	0	0.01	0.05	0.64	0.00	0.22	0.00	0.22	0.06	0.00	0.06	5.34	
Onroad Emissions - Grading						0.17	4.13	2.46	0.01	0.52	0.02	0.54	0.14	0.02	0.16	44.33	
Paving and Construction																	
Total Haul Trips	0																
2021 Hauling	0	80	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2021 Vendor	1	80	8	6.9	15	0.00	0.08	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	1.04	
2021 Worker	30	80	8	14.7	0	0.02	0.07	0.96	0.00	0.34	0.00	0.34	0.09	0.00	0.09	10.67	
Onroad Emissions - Paving and Construction						0.02	0.15	1.01	0.00	0.34	0.00	0.34	0.09	0.00	0.09	11.71	
Landscaping																	
Total Haul Trips	0																
2022 Hauling	0	90	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022 Vendor	1	90	8	6.9	15	0.00	0.07	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	1.12	
2022 Worker	28	90	8	14.7	0	0.02	0.06	0.81	0.00	0.31	0.00	0.31	0.08	0.00	0.08	10.84	
Onroad Emissions - Landscaping						0.02	0.13	0.87	0.00	0.32	0.00	0.32	0.08	0.00	0.09	11.96	

Total On-Road Emissions

Total On-Road Emissions

Construction Phase	260 Max construction days per year						Regional Emissions									
	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	(Tons/year)										
						ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5	Total CO2e
<u>Clearing and Grubbing</u>																
	2021															
Total Haul Trips	0															
Hauling	0	20	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	20	8	14.7	0	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60
						0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.60
<u>Grading</u>																
	2021															
Total Haul Trips	989															
Hauling	17	60	8	20	15	0.00	0.12	0.05	0.00	0.01	0.00	0.01	0.00	0.00	0.00	39.00
Vendor	0	60	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	60	8	14.7	0	0.00	0.00	0.02	0.00	0.01	0.00	0.01	0.00	0.00	0.00	5.34
						0.01	0.12	0.07	0.00	0.02	0.00	0.02	0.00	0.00	0.00	44.33
<u>Paving and Construction</u>																
	2021															
Total Haul Trips	0															
Hauling	0	80	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	1	80	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04
Worker	30	80	8	14.7	0	0.00	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	10.67
						0.00	0.01	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	11.71
<u>Landscaping</u>																
	2022															
Total Haul Trips	0															
Hauling	0	90	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	1	90	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.12
Worker	28	90	8	14.7	0	0.00	0.00	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	10.84
						0.00	0.01	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.00	11.96

Running Emissions

	Running Emissions Factor (grams/mile)						Running Emissions Factor (grams/mile)			
	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	
2020Hauling Hauling	0.12467436	4.127586075	0.70244559	0.01389473	0.04956172	0.04741766	1520.07529	0.08121693	0.2410944	
2020Vendor Vendor	0.12175156	3.217634225	0.70325362	0.01222293	0.05527116	0.05287672	1311.85371	0.04440854	0.18764154	
2020Worker Worker	0.02296702	0.083024116	1.08430473	0.00306823	0.00220351	0.002029	310.119284	0.00538825	0.00712331	
2021Hauling Hauling	0.08103572	3.571515626	0.57499969	0.01347655	0.0279869	0.02677616	1477.43548	0.08019506	0.23446951	
2021Vendor Vendor	0.0717977	2.602453214	0.52331731	0.01185125	0.02991351	0.02861613	1273.54109	0.04239589	0.18204996	
2021Worker Worker	0.01983596	0.07223241	0.98341812	0.00297251	0.00205695	0.00189393	300.448479	0.00471177	0.00646256	
2022Hauling Hauling	0.02463044	2.696920068	0.45130496	0.01267644	0.01843607	0.0176385	1394.21089	0.07850131	0.22145577	
2022Vendor Vendor	0.01991806	1.889760516	0.36497107	0.01125961	0.01227567	0.01174136	1211.83967	0.04029686	0.17274956	
2022Worker Worker	0.01716262	0.063167612	0.89784164	0.00287684	0.00193578	0.00178222	290.781675	0.00413135	0.00590029	
2023Hauling Hauling	0.02438513	2.70726027	0.46544535	0.01247986	0.01859168	0.01778737	1374.48104	0.07922973	0.21840565	
2023Vendor Vendor	0.01904515	1.897817151	0.35240371	0.01108069	0.01237071	0.01183229	1193.62946	0.0405116	0.17033183	
2023Worker Worker	0.01513169	0.055897597	0.83140276	0.00279565	0.00185735	0.00170978	282.578076	0.00368669	0.00544537	
GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290	

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)				
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e	
<u>Clearing and Grubbing</u>					2021										
Total Haul Trips	0														
Hauling	0	20	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	20	8	14.7	0.01	0.04	0.57	0.00	0.00	0.00	1.59	0.00	0.01	1.60	
					0.01	0.04	0.57	0.00	0.00	0.00	1.59	0.00	0.01	1.60	
<u>Grading</u>					2021										
Total Haul Trips	989														
Hauling	17	60	8	20	0.06	2.68	0.43	0.01	0.02	0.02	30.14	0.04	1.39	31.57	
Vendor	0	60	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	20	60	8	14.7	0.01	0.05	0.64	0.00	0.00	0.00	5.30	0.00	0.03	5.34	
					0.07	2.72	1.07	0.01	0.02	0.02	35.44	0.04	1.42	36.90	
<u>Paving and Construction</u>					2021										
Total Haul Trips	0														
Hauling	0	80	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	1	80	8	6.9	0.00	0.04	0.01	0.00	0.00	0.00	0.70	0.00	0.03	0.73	
Worker	30	80	8	14.7	0.02	0.07	0.96	0.00	0.00	0.00	10.60	0.00	0.07	10.67	
					0.02	0.11	0.96	0.00	0.00	0.00	11.30	0.00	0.10	11.40	
<u>Landscaping</u>					2022										
Total Haul Trips	0														
Hauling	0	90	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	1	90	8	6.9	0.00	0.03	0.01	0.00	0.00	0.00	0.75	0.00	0.03	0.78	
Worker	28	90	8	14.7	0.02	0.06	0.81	0.00	0.00	0.00	10.77	0.00	0.06	10.84	
					0.02	0.09	0.82	0.00	0.00	0.00	11.52	0.00	0.09	11.62	

Idling Emissions

	Idling Emissions Factor (grams/minute)					Idling Emissions Factor (grams/minute)				
	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	
2020Hauling Hauling	0.18203757	2.514257339	2.34424676	0.00425698	0.00364827	0.00349045	457.401286	0.01060122	0.07221486	
2020Vendor Vendor	0.09655158	1.389498887	1.26412887	0.00228127	0.00225118	0.00215379	244.777779	0.00633167	0.03834928	
2020Worker Worker	0	0	0	0	0	0	0	0	0	
2021Hauling Hauling	0.17992826	2.494221613	2.47137063	0.00431707	0.00153707	0.00147058	463.979458	0.01057258	0.07325903	
2021Vendor Vendor	0.09512038	1.358206146	1.32735389	0.00230801	0.00101987	0.00097575	247.718477	0.00631023	0.03882087	
2021Worker Worker	0	0	0	0	0	0	0	0	0	
2022Hauling Hauling	0.1794334	2.268893827	2.65540888	0.00413434	0.00124387	0.00119006	444.864297	0.01062746	0.07026495	
2022Vendor Vendor	0.09453686	1.21688302	1.42143188	0.00221115	0.00069792	0.00066773	237.578447	0.00634204	0.03723243	
2022Worker Worker	0	0	0	0	0	0	0	0	0	
2023Hauling Hauling	0.17974307	2.262044342	2.6647617	0.00409118	0.00119718	0.00114539	440.393976	0.01068902	0.06956683	
2023Vendor Vendor	0.09456838	1.210583463	1.42500372	0.00218695	0.00066414	0.00063541	235.070306	0.00635061	0.03685329	
2023Worker Worker	0	0	0	0	0	0	0	0	0	
GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290	

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	Idling minutes per Day (miles)	Regional Emissions (pounds/day)							Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e	
Clearing and Grubbing															
	2021														
Total Haul Trips	0														
Hauling	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	20	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
					0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Grading															
	2021														
Total Haul Trips	989														
Hauling	17	60	8	15	0.10	1.40	1.39	0.00	0.00	0.00	7.10	0.00	0.33	7.43	
Vendor	0	60	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	20	60	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
					0.10	1.40	1.39	0.00	0.00	0.00	7.10	0.00	0.33	7.43	
Paving and Construction															
	2021														
Total Haul Trips	0														
Hauling	0	80	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	1	80	8	15	0.00	0.04	0.04	0.00	0.00	0.00	0.30	0.00	0.01	0.31	
Worker	30	80	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
					0.00	0.04	0.04	0.00	0.00	0.00	0.30	0.00	0.01	0.31	
Landscaping															
	2022														
Total Haul Trips	0														
Hauling	0	90	8	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	1	90	8	15	0.00	0.04	0.05	0.00	0.00	0.00	0.32	0.00	0.01	0.34	
Worker	28	90	8	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
					0.00	0.04	0.05	0.00	0.00	0.00	0.32	0.00	0.01	0.34	

Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)						
	RD	PM10			RD	PM2.5	
		BW	TW	BW		TW	
2020Hauling Hauling	3.00E-01	0.061048007	0.03558331	7.36E-02	0.02616343	0.00889583	
2020Vendor Vendor	3.00E-01	0.095694022	0.02379166	7.36E-02	0.04101172	0.00594791	
2020Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002	
2021Hauling Hauling	3.00E-01	0.061055751	0.03558379	7.36E-02	0.02616675	0.00889698	
2021Vendor Vendor	3.00E-01	0.095697894	0.02379395	7.36E-02	0.04101338	0.00594849	
2021Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002	
2022Hauling Hauling	3.00E-01	0.061063462	0.03559233	7.36E-02	0.02617005	0.00889808	
2022Vendor Vendor	3.00E-01	0.095701749	0.02379617	7.36E-02	0.04101504	0.00594904	
2022Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002	
2023Hauling Hauling	3.00E-01	0.06107028	0.03559616	7.36E-02	0.02617298	0.00889904	
2023Vendor Vendor	3.00E-01	0.095705158	0.02379808	7.36E-02	0.0410165	0.00594952	
2023Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002	

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					RD	PM10 BW	TW	RD	PM2.5 BW	TW
<u>Clearing and Grubbing</u>										
	2021									
Total Haul Trips	0				0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0	20	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	20	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	18	20	8	14.7	0.17	0.02	0.00	0.04	0.01	0.00
<u>Grading</u>										
	2021									
Total Haul Trips	989				0.22	0.05	0.03	0.06	0.02	0.01
Hauling	17	60	8	20	0.22	0.05	0.03	0.06	0.02	0.01
Vendor	0	60	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	60	8	14.7	0.19	0.02	0.01	0.05	0.01	0.00
<u>Paving and Construction</u>										
	2021									
Total Haul Trips	0				0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0	80	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	1	80	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	30	80	8	14.7	0.29	0.04	0.01	0.07	0.02	0.00
<u>Landscaping</u>										
	2022									
Total Haul Trips	0				0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0	90	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	1	90	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	28	90	8	14.7	0.27	0.03	0.01	0.07	0.01	0.00

CalEEMod Output



Crawford Park - South Coast Air Basin, Annual

Crawford Park
South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	2.50	Acre	2.50	108,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Schedule provided by applicant

Off-road Equipment - Equipment provided by Applicant

Off-road Equipment - Equipment provided by Applicant

Off-road Equipment - Equipment provided by Applicant

Off-road Equipment - Equipment provided by Applicant

Trips and VMT - Import 10,000 CY soil, vendor trips for construction and landscaping

Grading - Import 10,000 CY

Vehicle Trips - Trip Generation Source: Translutions, 2020

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Lighting from CalEEMod user guide for open parking lot lighting

Construction Off-road Equipment Mitigation - Water exposed area 3 times daily

Fleet Mix - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	80.00
tblConstructionPhase	NumDays	220.00	90.00
tblConstructionPhase	NumDays	6.00	60.00
tblConstructionPhase	NumDays	3.00	20.00
tblEnergyUse	LightingElect	0.00	0.35
tblFleetMix	HHD	0.03	0.02
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.04	0.06
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	5.8470e-003	6.0390e-003
tblFleetMix	MCY	4.8220e-003	4.4870e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.6900e-004	9.1200e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.1100e-003	1.4160e-003
tblFleetMix	SBUS	7.1000e-004	6.2300e-004
tblFleetMix	UBUS	1.7690e-003	1.6780e-003
tblGrading	AcresOfGrading	60.00	3.00
tblGrading	AcresOfGrading	0.00	4.50

tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	RecSwimmingAreaAllowEdit	0.00	108,900.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	VendorTripNumber	18.00	10.00
tblVehicleEF	HHD	0.52	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.59	6.32
tblVehicleEF	HHD	0.96	0.58
tblVehicleEF	HHD	3.04	9.3040e-003
tblVehicleEF	HHD	4,355.32	1,186.71
tblVehicleEF	HHD	1,551.76	1,477.44
tblVehicleEF	HHD	9.81	0.09
tblVehicleEF	HHD	13.94	6.38
tblVehicleEF	HHD	1.91	3.57
tblVehicleEF	HHD	19.62	2.07

tbIVehicleEF	HHD	9.5610e-003	3.9310e-003
tbIVehicleEF	HHD	0.06	0.06
tbIVehicleEF	HHD	0.04	0.04
tbIVehicleEF	HHD	6.0750e-003	0.03
tbIVehicleEF	HHD	8.4000e-005	2.0000e-006
tbIVehicleEF	HHD	9.1470e-003	3.7610e-003
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	8.8000e-003	8.8970e-003
tbIVehicleEF	HHD	5.8120e-003	0.03
tbIVehicleEF	HHD	7.7000e-005	1.0000e-006
tbIVehicleEF	HHD	9.9000e-005	7.0000e-006
tbIVehicleEF	HHD	4.1500e-003	2.6800e-004
tbIVehicleEF	HHD	0.40	0.46
tbIVehicleEF	HHD	7.3000e-005	5.0000e-006
tbIVehicleEF	HHD	0.08	0.08
tbIVehicleEF	HHD	3.3800e-004	1.4610e-003
tbIVehicleEF	HHD	0.07	3.0000e-006
tbIVehicleEF	HHD	0.04	0.01
tbIVehicleEF	HHD	0.01	0.01
tbIVehicleEF	HHD	1.4800e-004	1.0000e-006
tbIVehicleEF	HHD	9.9000e-005	7.0000e-006
tbIVehicleEF	HHD	4.1500e-003	2.6800e-004
tbIVehicleEF	HHD	0.48	0.53
tbIVehicleEF	HHD	7.3000e-005	5.0000e-006
tbIVehicleEF	HHD	0.19	0.17
tbIVehicleEF	HHD	3.3800e-004	1.4610e-003
tbIVehicleEF	HHD	0.08	3.0000e-006
tbIVehicleEF	HHD	0.49	0.00
tbIVehicleEF	HHD	0.09	4.84

tblVehicleEF	HHD	0.07	2.7300e-004
tblVehicleEF	HHD	1.16	4.3510e-003
tblVehicleEF	HHD	0.97	11,782.57
tblVehicleEF	HHD	2.89	0.09
tblVehicleEF	HHD	4,614.07	2.0000e-006
tblVehicleEF	HHD	1,551.76	1.85
tblVehicleEF	HHD	9.81	0.08
tblVehicleEF	HHD	14.39	0.00
tblVehicleEF	HHD	1.80	0.24
tblVehicleEF	HHD	19.61	0.24
tblVehicleEF	HHD	8.0610e-003	7.0000e-006
tblVehicleEF	HHD	0.06	5.53
tblVehicleEF	HHD	0.04	0.17
tblVehicleEF	HHD	6.0750e-003	6.3500e-004
tblVehicleEF	HHD	8.4000e-005	2.1900e-004
tblVehicleEF	HHD	7.7120e-003	1.4000e-005
tblVehicleEF	HHD	0.03	9.6000e-005
tblVehicleEF	HHD	8.8000e-003	6.6000e-005
tblVehicleEF	HHD	5.8120e-003	1.0000e-006
tblVehicleEF	HHD	7.7000e-005	1.4410e-003
tblVehicleEF	HHD	1.5500e-004	9.1000e-004
tblVehicleEF	HHD	4.3060e-003	0.03
tblVehicleEF	HHD	0.38	6.19
tblVehicleEF	HHD	1.1000e-004	0.00
tblVehicleEF	HHD	0.08	3.38
tblVehicleEF	HHD	3.3000e-004	0.03
tblVehicleEF	HHD	0.07	2.07
tblVehicleEF	HHD	0.04	6.18
tblVehicleEF	HHD	0.01	0.58

tbIVehicleEF	HHD	1.4500e-004	8.8350e-003
tbIVehicleEF	HHD	1.5500e-004	156.80
tbIVehicleEF	HHD	4.3060e-003	2.0000e-006
tbIVehicleEF	HHD	0.45	2.8010e-003
tbIVehicleEF	HHD	1.1000e-004	6.2480e-003
tbIVehicleEF	HHD	0.19	0.03
tbIVehicleEF	HHD	3.3000e-004	0.04
tbIVehicleEF	HHD	0.07	0.03
tbIVehicleEF	HHD	0.56	0.00
tbIVehicleEF	HHD	0.09	4.33
tbIVehicleEF	HHD	0.07	3.0500e-004
tbIVehicleEF	HHD	2.20	4.3950e-003
tbIVehicleEF	HHD	0.96	11,875.11
tbIVehicleEF	HHD	3.06	0.09
tbIVehicleEF	HHD	3,998.00	2.0000e-006
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tbIVehicleEF	HHD	9.81	0.08
tbIVehicleEF	HHD	13.32	0.00
tbIVehicleEF	HHD	1.87	0.22
tbIVehicleEF	HHD	19.62	0.24
tbIVehicleEF	HHD	0.01	5.0000e-006
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tbIVehicleEF	HHD	0.04	0.17
tbIVehicleEF	HHD	6.0750e-003	6.8400e-004
tbIVehicleEF	HHD	8.4000e-005	1.4600e-004
tbIVehicleEF	HHD	0.01	1.5000e-005
tbIVehicleEF	HHD	0.03	6.4000e-005
tbIVehicleEF	HHD	8.8000e-003	4.3000e-005
tbIVehicleEF	HHD	5.8120e-003	1.0000e-006

tbIVehicleEF	HHD	7.7000e-005	1.5510e-003
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tbIVehicleEF	HHD	0.43	6.64
tbIVehicleEF	HHD	7.1000e-005	0.00
tbIVehicleEF	HHD	0.08	3.51
tbIVehicleEF	HHD	3.6700e-004	0.04
tbIVehicleEF	HHD	0.07	2.07
tbIVehicleEF	HHD	0.04	6.51
tbIVehicleEF	HHD	0.01	0.57
tbIVehicleEF	HHD	1.4800e-004	9.3940e-003
tbIVehicleEF	HHD	9.6000e-005	156.80
tbIVehicleEF	HHD	4.4260e-003	2.0000e-006
tbIVehicleEF	HHD	0.51	2.8010e-003
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tbIVehicleEF	HHD	0.08	0.04
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tbIVehicleEF	LDA	0.04	0.04
tbIVehicleEF	LDA	0.06	0.18
tbIVehicleEF	LDA	1.9580e-003	1.7990e-003
tbIVehicleEF	LDA	2.2420e-003	1.8430e-003
tbIVehicleEF	LDA	1.8050e-003	1.6570e-003

tbIVehicleEF	LDA	2.0610e-003	1.6940e-003
tbIVehicleEF	LDA	0.04	0.05
tbIVehicleEF	LDA	0.09	0.10
tbIVehicleEF	LDA	0.03	0.05
tbIVehicleEF	LDA	0.01	0.01
tbIVehicleEF	LDA	0.04	0.21
tbIVehicleEF	LDA	0.06	0.22
tbIVehicleEF	LDA	2.5390e-003	2.6800e-003
tbIVehicleEF	LDA	5.6400e-004	5.2800e-004
tbIVehicleEF	LDA	0.04	0.05
tbIVehicleEF	LDA	0.09	0.10
tbIVehicleEF	LDA	0.03	0.05
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	0.04	0.21
tbIVehicleEF	LDA	0.07	0.25
tbIVehicleEF	LDA	0.00	0.04
tbIVehicleEF	LDA	4.5820e-003	0.00
tbIVehicleEF	LDA	3.9780e-003	0.10
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tbIVehicleEF	LDA	0.64	0.00
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tbIVehicleEF	LDA	0.00	5.0530e-003
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tbIVehicleEF	LDA	54.70	0.01
tbIVehicleEF	LDA	0.00	9.4890e-003
tbIVehicleEF	LDA	0.04	0.00
tbIVehicleEF	LDA	0.05	4.4120e-003
tbIVehicleEF	LDA	0.00	0.07
tbIVehicleEF	LDA	0.04	0.00

tbIVehicleEF	LDA	8.0000e-003	0.02
tbIVehicleEF	LDA	1.9580e-003	0.20
tbIVehicleEF	LDA	2.2420e-003	0.39
tbIVehicleEF	LDA	0.00	0.02
tbIVehicleEF	LDA	0.02	0.39
tbIVehicleEF	LDA	2.0000e-003	0.33
tbIVehicleEF	LDA	1.8050e-003	0.22
tbIVehicleEF	LDA	2.0610e-003	0.20
tbIVehicleEF	LDA	0.06	0.00
tbIVehicleEF	LDA	0.10	1.4850e-003
tbIVehicleEF	LDA	0.05	1.7000e-005
tbIVehicleEF	LDA	0.01	0.04
tbIVehicleEF	LDA	0.03	0.00
tbIVehicleEF	LDA	2.6720e-003	0.79
tbIVehicleEF	LDA	5.6100e-004	1.79
tbIVehicleEF	LDA	0.06	60.05
tbIVehicleEF	LDA	0.10	1.8400e-003
tbIVehicleEF	LDA	0.00	3.8000e-004
tbIVehicleEF	LDA	0.05	7.7830e-003
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	0.03	8.0020e-003
tbIVehicleEF	LDA	0.06	0.00
tbIVehicleEF	LDA	0.00	0.05
tbIVehicleEF	LDA	4.1990e-003	0.00
tbIVehicleEF	LDA	4.5800e-003	0.11
tbIVehicleEF	LDA	0.00	11.32
tbIVehicleEF	LDA	0.55	0.00
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tbIVehicleEF	LDA	0.00	5.3880e-003

tblVehicleEF	LDA	249.51	0.00
tblVehicleEF	LDA	54.70	0.01
tblVehicleEF	LDA	0.00	0.01
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.06	4.7000e-003
tblVehicleEF	LDA	0.00	0.05
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	8.0000e-003	0.02
tblVehicleEF	LDA	1.9580e-003	0.24
tblVehicleEF	LDA	2.2420e-003	0.24
tblVehicleEF	LDA	0.00	0.02
tblVehicleEF	LDA	0.02	0.24
tblVehicleEF	LDA	2.0000e-003	0.22
tblVehicleEF	LDA	1.8050e-003	0.25
tblVehicleEF	LDA	2.0610e-003	0.24
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.10	1.4850e-003
tblVehicleEF	LDA	0.03	1.7000e-005
tblVehicleEF	LDA	0.01	0.04
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	2.4980e-003	0.69
tblVehicleEF	LDA	5.6400e-004	2.17
tblVehicleEF	LDA	0.03	56.49
tblVehicleEF	LDA	0.10	1.8400e-003
tblVehicleEF	LDA	0.00	3.8000e-004
tblVehicleEF	LDA	0.03	7.7830e-003
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	8.0020e-003
tblVehicleEF	LDA	0.07	0.00

tblVehicleEF	LDT1	0.01	7.7890e-003
tblVehicleEF	LDT1	0.01	0.07
tblVehicleEF	LDT1	1.36	1.46
tblVehicleEF	LDT1	2.49	2.28
tblVehicleEF	LDT1	319.38	318.65
tblVehicleEF	LDT1	67.76	63.32
tblVehicleEF	LDT1	0.13	0.12
tblVehicleEF	LDT1	0.15	0.26
tblVehicleEF	LDT1	2.9980e-003	2.7210e-003
tblVehicleEF	LDT1	3.2550e-003	2.6380e-003
tblVehicleEF	LDT1	2.7600e-003	2.5050e-003
tblVehicleEF	LDT1	2.9930e-003	2.4250e-003
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.20
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.16	0.70
tblVehicleEF	LDT1	0.17	0.36
tblVehicleEF	LDT1	3.2100e-003	3.1530e-003
tblVehicleEF	LDT1	7.2100e-004	6.2700e-004
tblVehicleEF	LDT1	0.12	0.13
tblVehicleEF	LDT1	0.25	0.20
tblVehicleEF	LDT1	0.10	0.11
tblVehicleEF	LDT1	0.04	0.05
tblVehicleEF	LDT1	0.16	0.70
tblVehicleEF	LDT1	0.19	0.39
tblVehicleEF	LDT1	0.00	0.07
tblVehicleEF	LDT1	0.01	0.00
tblVehicleEF	LDT1	0.01	0.21

tblVehicleEF	LDT1	0.00	13.55
tblVehicleEF	LDT1	1.49	0.00
tblVehicleEF	LDT1	2.12	8.2760e-003
tblVehicleEF	LDT1	0.00	5.8840e-003
tblVehicleEF	LDT1	334.82	0.00
tblVehicleEF	LDT1	67.76	0.04
tblVehicleEF	LDT1	0.00	0.01
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.13	8.0850e-003
tblVehicleEF	LDT1	0.00	0.15
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	8.0000e-003	0.05
tblVehicleEF	LDT1	2.9980e-003	0.65
tblVehicleEF	LDT1	3.2550e-003	0.93
tblVehicleEF	LDT1	0.00	0.05
tblVehicleEF	LDT1	0.02	0.93
tblVehicleEF	LDT1	2.0000e-003	0.71
tblVehicleEF	LDT1	2.7600e-003	0.35
tblVehicleEF	LDT1	2.9930e-003	0.65
tblVehicleEF	LDT1	0.20	0.00
tblVehicleEF	LDT1	0.27	2.3930e-003
tblVehicleEF	LDT1	0.15	3.5000e-005
tblVehicleEF	LDT1	0.03	0.11
tblVehicleEF	LDT1	0.15	0.00
tblVehicleEF	LDT1	3.3670e-003	1.59
tblVehicleEF	LDT1	7.1400e-004	1.93
tblVehicleEF	LDT1	0.20	71.69
tblVehicleEF	LDT1	0.27	2.6340e-003
tblVehicleEF	LDT1	0.00	5.9400e-004

tbIVehicleEF	LDT1	0.15	7.9510e-003
tbIVehicleEF	LDT1	0.05	0.02
tbIVehicleEF	LDT1	0.15	8.0020e-003
tbIVehicleEF	LDT1	0.16	0.00
tbIVehicleEF	LDT1	0.00	0.08
tbIVehicleEF	LDT1	0.01	0.00
tbIVehicleEF	LDT1	0.01	0.23
tbIVehicleEF	LDT1	0.00	13.73
tbIVehicleEF	LDT1	1.32	0.00
tbIVehicleEF	LDT1	2.56	7.6540e-003
tbIVehicleEF	LDT1	0.00	6.2690e-003
tbIVehicleEF	LDT1	314.49	0.00
tbIVehicleEF	LDT1	67.76	0.03
tbIVehicleEF	LDT1	0.00	0.02
tbIVehicleEF	LDT1	0.12	0.00
tbIVehicleEF	LDT1	0.15	8.6860e-003
tbIVehicleEF	LDT1	0.00	0.10
tbIVehicleEF	LDT1	0.04	0.00
tbIVehicleEF	LDT1	8.0000e-003	0.05
tbIVehicleEF	LDT1	2.9980e-003	0.83
tbIVehicleEF	LDT1	3.2550e-003	0.60
tbIVehicleEF	LDT1	0.00	0.05
tbIVehicleEF	LDT1	0.02	0.59
tbIVehicleEF	LDT1	2.0000e-003	0.48
tbIVehicleEF	LDT1	2.7600e-003	0.40
tbIVehicleEF	LDT1	2.9930e-003	0.83
tbIVehicleEF	LDT1	0.12	0.00
tbIVehicleEF	LDT1	0.28	2.3930e-003
tbIVehicleEF	LDT1	0.10	3.5000e-005

tbIVehicleEF	LDT1	0.03	0.12
tbIVehicleEF	LDT1	0.19	0.00
tbIVehicleEF	LDT1	3.1610e-003	1.41
tbIVehicleEF	LDT1	7.2200e-004	2.35
tbIVehicleEF	LDT1	0.12	68.01
tbIVehicleEF	LDT1	0.28	2.6340e-003
tbIVehicleEF	LDT1	0.00	5.9400e-004
tbIVehicleEF	LDT1	0.10	7.9510e-003
tbIVehicleEF	LDT1	0.04	0.02
tbIVehicleEF	LDT1	0.19	8.0020e-003
tbIVehicleEF	LDT1	0.19	0.00
tbIVehicleEF	LDT2	5.9720e-003	4.9910e-003
tbIVehicleEF	LDT2	5.6870e-003	0.07
tbIVehicleEF	LDT2	0.75	1.03
tbIVehicleEF	LDT2	1.24	2.65
tbIVehicleEF	LDT2	356.41	341.38
tbIVehicleEF	LDT2	75.77	68.34
tbIVehicleEF	LDT2	0.07	0.09
tbIVehicleEF	LDT2	0.09	0.28
tbIVehicleEF	LDT2	1.9990e-003	1.9090e-003
tbIVehicleEF	LDT2	2.3560e-003	1.8910e-003
tbIVehicleEF	LDT2	1.8380e-003	1.7570e-003
tbIVehicleEF	LDT2	2.1660e-003	1.7390e-003
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.10	0.12
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.01	0.02
tbIVehicleEF	LDT2	0.06	0.41
tbIVehicleEF	LDT2	0.08	0.31

tbIVehicleEF	LDT2	3.5700e-003	3.3770e-003
tbIVehicleEF	LDT2	7.7800e-004	6.7600e-004
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.10	0.12
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.02	0.03
tbIVehicleEF	LDT2	0.06	0.41
tbIVehicleEF	LDT2	0.08	0.34
tbIVehicleEF	LDT2	0.00	0.06
tbIVehicleEF	LDT2	6.3770e-003	0.00
tbIVehicleEF	LDT2	5.0410e-003	0.13
tbIVehicleEF	LDT2	0.00	14.40
tbIVehicleEF	LDT2	0.83	0.00
tbIVehicleEF	LDT2	1.06	5.3180e-003
tbIVehicleEF	LDT2	0.00	6.4670e-003
tbIVehicleEF	LDT2	374.21	0.00
tbIVehicleEF	LDT2	75.77	0.02
tbIVehicleEF	LDT2	0.00	0.01
tbIVehicleEF	LDT2	0.06	0.00
tbIVehicleEF	LDT2	0.09	6.6250e-003
tbIVehicleEF	LDT2	0.00	0.10
tbIVehicleEF	LDT2	0.04	0.00
tbIVehicleEF	LDT2	8.0000e-003	0.03
tbIVehicleEF	LDT2	1.9990e-003	0.38
tbIVehicleEF	LDT2	2.3560e-003	0.54
tbIVehicleEF	LDT2	0.00	0.03
tbIVehicleEF	LDT2	0.02	0.54
tbIVehicleEF	LDT2	2.0000e-003	0.49
tbIVehicleEF	LDT2	1.8380e-003	0.31

tbIVehicleEF	LDT2	2.1660e-003	0.38
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	0.10	1.6180e-003
tbIVehicleEF	LDT2	0.06	1.7000e-005
tbIVehicleEF	LDT2	0.02	0.08
tbIVehicleEF	LDT2	0.05	0.00
tbIVehicleEF	LDT2	3.7490e-003	1.12
tbIVehicleEF	LDT2	7.7500e-004	2.26
tbIVehicleEF	LDT2	0.07	75.14
tbIVehicleEF	LDT2	0.10	1.8890e-003
tbIVehicleEF	LDT2	0.00	4.0400e-004
tbIVehicleEF	LDT2	0.06	7.8210e-003
tbIVehicleEF	LDT2	0.02	0.02
tbIVehicleEF	LDT2	0.05	8.0020e-003
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	0.00	0.07
tbIVehicleEF	LDT2	5.8560e-003	0.00
tbIVehicleEF	LDT2	5.8000e-003	0.13
tbIVehicleEF	LDT2	0.00	14.59
tbIVehicleEF	LDT2	0.72	0.00
tbIVehicleEF	LDT2	1.27	4.8870e-003
tbIVehicleEF	LDT2	0.00	6.8940e-003
tbIVehicleEF	LDT2	350.82	0.00
tbIVehicleEF	LDT2	75.77	0.02
tbIVehicleEF	LDT2	0.00	0.01
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	0.09	7.0820e-003
tbIVehicleEF	LDT2	0.00	0.07
tbIVehicleEF	LDT2	0.04	0.00

tbIVehicleEF	LDT2	8.0000e-003	0.03
tbIVehicleEF	LDT2	1.9990e-003	0.48
tbIVehicleEF	LDT2	2.3560e-003	0.33
tbIVehicleEF	LDT2	0.00	0.03
tbIVehicleEF	LDT2	0.02	0.33
tbIVehicleEF	LDT2	2.0000e-003	0.33
tbIVehicleEF	LDT2	1.8380e-003	0.35
tbIVehicleEF	LDT2	2.1660e-003	0.48
tbIVehicleEF	LDT2	0.04	0.00
tbIVehicleEF	LDT2	0.10	1.6180e-003
tbIVehicleEF	LDT2	0.04	1.7000e-005
tbIVehicleEF	LDT2	0.01	0.08
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	3.5130e-003	0.99
tbIVehicleEF	LDT2	7.7900e-004	2.74
tbIVehicleEF	LDT2	0.04	71.61
tbIVehicleEF	LDT2	0.10	1.8890e-003
tbIVehicleEF	LDT2	0.00	4.0400e-004
tbIVehicleEF	LDT2	0.04	7.8210e-003
tbIVehicleEF	LDT2	0.02	0.02
tbIVehicleEF	LDT2	0.07	8.0020e-003
tbIVehicleEF	LDT2	0.09	0.00
tbIVehicleEF	LHD1	5.2120e-003	5.5830e-003
tbIVehicleEF	LHD1	9.8600e-003	5.7240e-003
tbIVehicleEF	LHD1	0.02	0.02
tbIVehicleEF	LHD1	0.15	0.19
tbIVehicleEF	LHD1	0.74	0.65
tbIVehicleEF	LHD1	2.42	1.14
tbIVehicleEF	LHD1	9.02	8.89

tbIVehicleEF	LHD1	594.63	666.21
tbIVehicleEF	LHD1	31.53	12.43
tbIVehicleEF	LHD1	0.07	0.05
tbIVehicleEF	LHD1	1.08	0.65
tbIVehicleEF	LHD1	0.94	0.33
tbIVehicleEF	LHD1	8.6300e-004	7.5700e-004
tbIVehicleEF	LHD1	0.01	9.6790e-003
tbIVehicleEF	LHD1	9.7700e-003	6.4420e-003
tbIVehicleEF	LHD1	8.9700e-004	2.8500e-004
tbIVehicleEF	LHD1	8.2600e-004	7.2400e-004
tbIVehicleEF	LHD1	2.5390e-003	2.4200e-003
tbIVehicleEF	LHD1	9.3240e-003	6.1330e-003
tbIVehicleEF	LHD1	8.2500e-004	2.6200e-004
tbIVehicleEF	LHD1	2.9620e-003	2.5670e-003
tbIVehicleEF	LHD1	0.10	0.08
tbIVehicleEF	LHD1	0.02	0.02
tbIVehicleEF	LHD1	1.7810e-003	1.5640e-003
tbIVehicleEF	LHD1	0.06	0.05
tbIVehicleEF	LHD1	0.30	0.56
tbIVehicleEF	LHD1	0.24	0.08
tbIVehicleEF	LHD1	9.0000e-005	8.6000e-005
tbIVehicleEF	LHD1	5.8320e-003	6.5060e-003
tbIVehicleEF	LHD1	3.6100e-004	1.2300e-004
tbIVehicleEF	LHD1	2.9620e-003	2.5670e-003
tbIVehicleEF	LHD1	0.10	0.08
tbIVehicleEF	LHD1	0.02	0.03
tbIVehicleEF	LHD1	1.7810e-003	1.5640e-003
tbIVehicleEF	LHD1	0.08	0.06
tbIVehicleEF	LHD1	0.30	0.56

tbIVehicleEF	LHD1	0.26	0.09
tbIVehicleEF	LHD1	5.2120e-003	5.1340e-003
tbIVehicleEF	LHD1	0.01	0.30
tbIVehicleEF	LHD1	0.02	0.08
tbIVehicleEF	LHD1	0.15	0.83
tbIVehicleEF	LHD1	0.75	124.98
tbIVehicleEF	LHD1	2.31	6.2080e-003
tbIVehicleEF	LHD1	9.02	1.7780e-003
tbIVehicleEF	LHD1	594.63	0.01
tbIVehicleEF	LHD1	31.53	0.05
tbIVehicleEF	LHD1	0.07	1.0420e-003
tbIVehicleEF	LHD1	1.01	0.07
tbIVehicleEF	LHD1	0.91	0.03
tbIVehicleEF	LHD1	8.6300e-004	2.2100e-003
tbIVehicleEF	LHD1	0.08	0.42
tbIVehicleEF	LHD1	0.01	0.06
tbIVehicleEF	LHD1	9.7700e-003	0.48
tbIVehicleEF	LHD1	8.9700e-004	0.06
tbIVehicleEF	LHD1	8.2600e-004	5.6060e-003
tbIVehicleEF	LHD1	0.03	0.05
tbIVehicleEF	LHD1	2.5390e-003	0.03
tbIVehicleEF	LHD1	9.3240e-003	0.07
tbIVehicleEF	LHD1	8.2500e-004	0.54
tbIVehicleEF	LHD1	4.5380e-003	1.7000e-004
tbIVehicleEF	LHD1	0.10	5.2380e-003
tbIVehicleEF	LHD1	0.02	0.05
tbIVehicleEF	LHD1	2.6400e-003	1.8000e-005
tbIVehicleEF	LHD1	0.06	0.61
tbIVehicleEF	LHD1	0.29	9.1050e-003

tbIVehicleEF	LHD1	0.23	0.32
tbIVehicleEF	LHD1	9.0000e-005	0.19
tbIVehicleEF	LHD1	5.8320e-003	0.67
tbIVehicleEF	LHD1	3.5900e-004	1.09
tbIVehicleEF	LHD1	4.5380e-003	48.48
tbIVehicleEF	LHD1	0.10	2.8500e-004
tbIVehicleEF	LHD1	0.02	4.2700e-004
tbIVehicleEF	LHD1	2.6400e-003	5.4550e-003
tbIVehicleEF	LHD1	0.08	0.03
tbIVehicleEF	LHD1	0.29	9.3700e-003
tbIVehicleEF	LHD1	0.25	9.5160e-003
tbIVehicleEF	LHD1	5.2120e-003	5.3710e-003
tbIVehicleEF	LHD1	9.8170e-003	0.30
tbIVehicleEF	LHD1	0.02	0.09
tbIVehicleEF	LHD1	0.15	0.84
tbIVehicleEF	LHD1	0.73	124.98
tbIVehicleEF	LHD1	2.43	6.0400e-003
tbIVehicleEF	LHD1	9.02	1.8370e-003
tbIVehicleEF	LHD1	594.63	0.01
tbIVehicleEF	LHD1	31.53	0.05
tbIVehicleEF	LHD1	0.07	1.0870e-003
tbIVehicleEF	LHD1	1.06	0.07
tbIVehicleEF	LHD1	0.95	0.03
tbIVehicleEF	LHD1	8.6300e-004	1.5420e-003
tbIVehicleEF	LHD1	0.08	0.42
tbIVehicleEF	LHD1	0.01	0.06
tbIVehicleEF	LHD1	9.7700e-003	0.53
tbIVehicleEF	LHD1	8.9700e-004	0.04
tbIVehicleEF	LHD1	8.2600e-004	6.2420e-003

tbIVehicleEF	LHD1	0.03	0.04
tbIVehicleEF	LHD1	2.5390e-003	0.02
tbIVehicleEF	LHD1	9.3240e-003	0.08
tbIVehicleEF	LHD1	8.2500e-004	0.60
tbIVehicleEF	LHD1	3.0750e-003	1.7000e-004
tbIVehicleEF	LHD1	0.11	5.2380e-003
tbIVehicleEF	LHD1	0.02	0.05
tbIVehicleEF	LHD1	1.7770e-003	1.8000e-005
tbIVehicleEF	LHD1	0.06	0.64
tbIVehicleEF	LHD1	0.32	9.1050e-003
tbIVehicleEF	LHD1	0.24	0.34
tbIVehicleEF	LHD1	9.0000e-005	0.19
tbIVehicleEF	LHD1	5.8320e-003	0.65
tbIVehicleEF	LHD1	3.6100e-004	1.14
tbIVehicleEF	LHD1	3.0750e-003	48.48
tbIVehicleEF	LHD1	0.11	2.8500e-004
tbIVehicleEF	LHD1	0.02	4.2700e-004
tbIVehicleEF	LHD1	1.7770e-003	5.4550e-003
tbIVehicleEF	LHD1	0.08	0.03
tbIVehicleEF	LHD1	0.32	9.3700e-003
tbIVehicleEF	LHD1	0.26	9.5160e-003
tbIVehicleEF	LHD2	3.6840e-003	3.9120e-003
tbIVehicleEF	LHD2	3.6840e-003	3.9650e-003
tbIVehicleEF	LHD2	7.3420e-003	0.01
tbIVehicleEF	LHD2	0.13	0.15
tbIVehicleEF	LHD2	0.32	0.44
tbIVehicleEF	LHD2	1.21	0.76
tbIVehicleEF	LHD2	13.71	13.45
tbIVehicleEF	LHD2	608.08	667.35

tbIVehicleEF	LHD2	26.39	9.56
tbIVehicleEF	LHD2	0.09	0.09
tbIVehicleEF	LHD2	0.67	0.84
tbIVehicleEF	LHD2	0.50	0.23
tbIVehicleEF	LHD2	1.1670e-003	1.2520e-003
tbIVehicleEF	LHD2	0.01	0.01
tbIVehicleEF	LHD2	8.9870e-003	0.01
tbIVehicleEF	LHD2	4.2200e-004	1.6200e-004
tbIVehicleEF	LHD2	1.1160e-003	1.1980e-003
tbIVehicleEF	LHD2	2.6680e-003	2.6330e-003
tbIVehicleEF	LHD2	8.5850e-003	9.5770e-003
tbIVehicleEF	LHD2	3.8800e-004	1.4900e-004
tbIVehicleEF	LHD2	1.0410e-003	1.5680e-003
tbIVehicleEF	LHD2	0.03	0.05
tbIVehicleEF	LHD2	0.01	0.02
tbIVehicleEF	LHD2	6.8300e-004	9.7100e-004
tbIVehicleEF	LHD2	0.04	0.05
tbIVehicleEF	LHD2	0.07	0.35
tbIVehicleEF	LHD2	0.10	0.05
tbIVehicleEF	LHD2	1.3400e-004	1.2900e-004
tbIVehicleEF	LHD2	5.9210e-003	6.4600e-003
tbIVehicleEF	LHD2	2.8600e-004	9.5000e-005
tbIVehicleEF	LHD2	1.0410e-003	1.5680e-003
tbIVehicleEF	LHD2	0.03	0.05
tbIVehicleEF	LHD2	0.02	0.02
tbIVehicleEF	LHD2	6.8300e-004	9.7100e-004
tbIVehicleEF	LHD2	0.05	0.06
tbIVehicleEF	LHD2	0.07	0.35
tbIVehicleEF	LHD2	0.11	0.06

tbIVehicleEF	LHD2	3.6840e-003	3.5540e-003
tbIVehicleEF	LHD2	3.7270e-003	0.23
tbIVehicleEF	LHD2	7.0950e-003	0.06
tbIVehicleEF	LHD2	0.13	0.64
tbIVehicleEF	LHD2	0.32	184.31
tbIVehicleEF	LHD2	1.16	4.2190e-003
tbIVehicleEF	LHD2	13.71	1.2050e-003
tbIVehicleEF	LHD2	608.08	0.02
tbIVehicleEF	LHD2	26.39	0.05
tbIVehicleEF	LHD2	0.09	7.2200e-004
tbIVehicleEF	LHD2	0.64	0.05
tbIVehicleEF	LHD2	0.48	0.05
tbIVehicleEF	LHD2	1.1670e-003	1.3640e-003
tbIVehicleEF	LHD2	0.09	0.31
tbIVehicleEF	LHD2	0.01	0.06
tbIVehicleEF	LHD2	8.9870e-003	0.28
tbIVehicleEF	LHD2	4.2200e-004	0.03
tbIVehicleEF	LHD2	1.1160e-003	3.7590e-003
tbIVehicleEF	LHD2	0.04	0.03
tbIVehicleEF	LHD2	2.6680e-003	0.02
tbIVehicleEF	LHD2	8.5850e-003	0.05
tbIVehicleEF	LHD2	3.8800e-004	0.34
tbIVehicleEF	LHD2	1.5870e-003	1.9200e-004
tbIVehicleEF	LHD2	0.04	8.5420e-003
tbIVehicleEF	LHD2	0.01	0.09
tbIVehicleEF	LHD2	9.9900e-004	1.0000e-005
tbIVehicleEF	LHD2	0.04	0.79
tbIVehicleEF	LHD2	0.07	0.02
tbIVehicleEF	LHD2	0.10	0.22

tbIVehicleEF	LHD2	1.3400e-004	0.15
tbIVehicleEF	LHD2	5.9210e-003	0.44
tbIVehicleEF	LHD2	2.8500e-004	0.73
tbIVehicleEF	LHD2	1.5870e-003	50.51
tbIVehicleEF	LHD2	0.04	1.6200e-004
tbIVehicleEF	LHD2	0.02	7.0500e-004
tbIVehicleEF	LHD2	9.9900e-004	6.5990e-003
tbIVehicleEF	LHD2	0.05	0.04
tbIVehicleEF	LHD2	0.07	0.01
tbIVehicleEF	LHD2	0.10	0.02
tbIVehicleEF	LHD2	3.6840e-003	3.7180e-003
tbIVehicleEF	LHD2	3.6740e-003	0.23
tbIVehicleEF	LHD2	7.3760e-003	0.06
tbIVehicleEF	LHD2	0.13	0.64
tbIVehicleEF	LHD2	0.32	184.31
tbIVehicleEF	LHD2	1.22	4.1490e-003
tbIVehicleEF	LHD2	13.71	1.2430e-003
tbIVehicleEF	LHD2	608.08	0.02
tbIVehicleEF	LHD2	26.39	0.05
tbIVehicleEF	LHD2	0.09	7.5300e-004
tbIVehicleEF	LHD2	0.66	0.05
tbIVehicleEF	LHD2	0.50	0.05
tbIVehicleEF	LHD2	1.1670e-003	9.4300e-004
tbIVehicleEF	LHD2	0.09	0.31
tbIVehicleEF	LHD2	0.01	0.06
tbIVehicleEF	LHD2	8.9870e-003	0.32
tbIVehicleEF	LHD2	4.2200e-004	0.02
tbIVehicleEF	LHD2	1.1160e-003	4.0970e-003
tbIVehicleEF	LHD2	0.04	0.02

tbIVehicleEF	LHD2	2.6680e-003	0.01
tbIVehicleEF	LHD2	8.5850e-003	0.05
tbIVehicleEF	LHD2	3.8800e-004	0.38
tbIVehicleEF	LHD2	1.0460e-003	1.9200e-004
tbIVehicleEF	LHD2	0.04	8.5420e-003
tbIVehicleEF	LHD2	0.01	0.09
tbIVehicleEF	LHD2	6.7100e-004	1.0000e-005
tbIVehicleEF	LHD2	0.04	0.82
tbIVehicleEF	LHD2	0.08	0.02
tbIVehicleEF	LHD2	0.10	0.23
tbIVehicleEF	LHD2	1.3400e-004	0.15
tbIVehicleEF	LHD2	5.9210e-003	0.44
tbIVehicleEF	LHD2	2.8600e-004	0.77
tbIVehicleEF	LHD2	1.0460e-003	50.50
tbIVehicleEF	LHD2	0.04	1.6200e-004
tbIVehicleEF	LHD2	0.02	7.0500e-004
tbIVehicleEF	LHD2	6.7100e-004	6.5990e-003
tbIVehicleEF	LHD2	0.05	0.04
tbIVehicleEF	LHD2	0.08	0.01
tbIVehicleEF	LHD2	0.11	0.02
tbIVehicleEF	MCY	0.51	0.38
tbIVehicleEF	MCY	0.15	0.24
tbIVehicleEF	MCY	18.57	19.19
tbIVehicleEF	MCY	9.67	8.53
tbIVehicleEF	MCY	183.90	223.45
tbIVehicleEF	MCY	44.44	59.65
tbIVehicleEF	MCY	1.13	1.13
tbIVehicleEF	MCY	0.31	0.26
tbIVehicleEF	MCY	2.3320e-003	2.4320e-003

tbIVehicleEF	MCY	3.6000e-003	3.2970e-003
tbIVehicleEF	MCY	2.1780e-003	2.2730e-003
tbIVehicleEF	MCY	3.3840e-003	3.1040e-003
tbIVehicleEF	MCY	1.14	1.09
tbIVehicleEF	MCY	0.66	0.66
tbIVehicleEF	MCY	0.67	0.67
tbIVehicleEF	MCY	2.47	2.61
tbIVehicleEF	MCY	0.60	1.99
tbIVehicleEF	MCY	2.04	1.82
tbIVehicleEF	MCY	2.2170e-003	2.2110e-003
tbIVehicleEF	MCY	6.6200e-004	5.9000e-004
tbIVehicleEF	MCY	1.14	1.09
tbIVehicleEF	MCY	0.66	0.66
tbIVehicleEF	MCY	0.67	0.67
tbIVehicleEF	MCY	3.08	3.24
tbIVehicleEF	MCY	0.60	1.99
tbIVehicleEF	MCY	2.22	1.98
tbIVehicleEF	MCY	0.00	0.81
tbIVehicleEF	MCY	0.50	0.00
tbIVehicleEF	MCY	0.13	0.73
tbIVehicleEF	MCY	0.00	28.87
tbIVehicleEF	MCY	18.00	0.00
tbIVehicleEF	MCY	8.85	0.37
tbIVehicleEF	MCY	0.00	7.4230e-003
tbIVehicleEF	MCY	183.90	0.00
tbIVehicleEF	MCY	44.44	2.55
tbIVehicleEF	MCY	0.00	0.10
tbIVehicleEF	MCY	0.98	0.00
tbIVehicleEF	MCY	0.29	0.06

tblVehicleEF	MCY	0.00	1.10
tblVehicleEF	MCY	0.01	0.00
tblVehicleEF	MCY	4.0000e-003	3.17
tblVehicleEF	MCY	2.3320e-003	1.87
tblVehicleEF	MCY	3.6000e-003	3.53
tblVehicleEF	MCY	0.00	0.37
tblVehicleEF	MCY	5.0400e-003	3.53
tblVehicleEF	MCY	1.0000e-003	2.20
tblVehicleEF	MCY	2.1780e-003	1.75
tblVehicleEF	MCY	3.3840e-003	1.87
tblVehicleEF	MCY	1.88	5.0000e-004
tblVehicleEF	MCY	0.75	2.2730e-003
tblVehicleEF	MCY	1.17	1.5520e-003
tblVehicleEF	MCY	2.42	0.99
tblVehicleEF	MCY	0.57	0.00
tblVehicleEF	MCY	1.82	0.25
tblVehicleEF	MCY	2.2060e-003	18.47
tblVehicleEF	MCY	6.4200e-004	7.76
tblVehicleEF	MCY	1.88	111.05
tblVehicleEF	MCY	0.75	3.2970e-003
tblVehicleEF	MCY	0.00	1.2160e-003
tblVehicleEF	MCY	1.17	5.8800e-003
tblVehicleEF	MCY	3.01	5.0400e-003
tblVehicleEF	MCY	0.57	4.0000e-003
tblVehicleEF	MCY	1.98	0.00
tblVehicleEF	MCY	0.00	0.93
tblVehicleEF	MCY	0.52	0.00
tblVehicleEF	MCY	0.15	0.85
tblVehicleEF	MCY	0.00	30.00

tbIVehicleEF	MCY	18.58	0.00
tbIVehicleEF	MCY	9.75	0.38
tbIVehicleEF	MCY	0.00	7.6700e-003
tbIVehicleEF	MCY	183.90	0.00
tbIVehicleEF	MCY	44.44	2.62
tbIVehicleEF	MCY	0.00	0.12
tbIVehicleEF	MCY	1.10	0.00
tbIVehicleEF	MCY	0.31	0.06
tbIVehicleEF	MCY	0.00	0.64
tbIVehicleEF	MCY	0.01	0.00
tbIVehicleEF	MCY	4.0000e-003	3.26
tbIVehicleEF	MCY	2.3320e-003	2.29
tbIVehicleEF	MCY	3.6000e-003	2.37
tbIVehicleEF	MCY	0.00	0.43
tbIVehicleEF	MCY	5.0400e-003	2.37
tbIVehicleEF	MCY	1.0000e-003	1.27
tbIVehicleEF	MCY	2.1780e-003	2.02
tbIVehicleEF	MCY	3.3840e-003	2.29
tbIVehicleEF	MCY	1.25	5.0000e-004
tbIVehicleEF	MCY	0.85	2.2730e-003
tbIVehicleEF	MCY	0.66	1.5520e-003
tbIVehicleEF	MCY	2.48	1.11
tbIVehicleEF	MCY	0.69	0.00
tbIVehicleEF	MCY	2.07	0.27
tbIVehicleEF	MCY	2.2180e-003	19.29
tbIVehicleEF	MCY	6.6500e-004	8.66
tbIVehicleEF	MCY	1.25	111.83
tbIVehicleEF	MCY	0.85	3.2970e-003
tbIVehicleEF	MCY	0.00	1.2160e-003

tblVehicleEF	MCY	0.66	5.8800e-003
tblVehicleEF	MCY	3.09	5.0400e-003
tblVehicleEF	MCY	0.69	4.0000e-003
tblVehicleEF	MCY	2.25	0.00
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.17	1.22
tblVehicleEF	MDV	2.29	3.11
tblVehicleEF	MDV	483.40	419.24
tblVehicleEF	MDV	101.24	83.18
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	0.20	0.35
tblVehicleEF	MDV	2.1080e-003	2.0860e-003
tblVehicleEF	MDV	2.4110e-003	2.0610e-003
tblVehicleEF	MDV	1.9430e-003	1.9230e-003
tblVehicleEF	MDV	2.2170e-003	1.8960e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.17	0.40
tblVehicleEF	MDV	4.8410e-003	4.1450e-003
tblVehicleEF	MDV	1.0520e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.09	0.43

tblVehicleEF	MDV	0.19	0.44
tblVehicleEF	MDV	0.00	0.08
tblVehicleEF	MDV	0.01	0.00
tblVehicleEF	MDV	0.01	0.15
tblVehicleEF	MDV	0.00	17.75
tblVehicleEF	MDV	1.29	0.00
tblVehicleEF	MDV	1.96	7.0040e-003
tblVehicleEF	MDV	0.00	7.1080e-003
tblVehicleEF	MDV	507.25	0.00
tblVehicleEF	MDV	101.24	0.03
tblVehicleEF	MDV	0.00	0.02
tblVehicleEF	MDV	0.11	0.00
tblVehicleEF	MDV	0.19	9.1800e-003
tblVehicleEF	MDV	0.00	0.13
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.0000e-003	0.04
tblVehicleEF	MDV	2.1080e-003	0.40
tblVehicleEF	MDV	2.4110e-003	0.62
tblVehicleEF	MDV	0.00	0.03
tblVehicleEF	MDV	0.02	0.61
tblVehicleEF	MDV	2.0000e-003	0.58
tblVehicleEF	MDV	1.9430e-003	0.39
tblVehicleEF	MDV	2.2170e-003	0.40
tblVehicleEF	MDV	0.11	0.00
tblVehicleEF	MDV	0.16	1.7780e-003
tblVehicleEF	MDV	0.10	2.1000e-005
tblVehicleEF	MDV	0.03	0.10
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	5.0810e-003	1.33

tblVehicleEF	MDV	1.0460e-003	2.64
tblVehicleEF	MDV	0.11	93.07
tblVehicleEF	MDV	0.16	2.0580e-003
tblVehicleEF	MDV	0.00	4.4600e-004
tblVehicleEF	MDV	0.10	7.9160e-003
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.09	8.0020e-003
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.00	0.09
tblVehicleEF	MDV	0.01	0.00
tblVehicleEF	MDV	0.01	0.15
tblVehicleEF	MDV	0.00	17.99
tblVehicleEF	MDV	1.13	0.00
tblVehicleEF	MDV	2.35	6.4530e-003
tblVehicleEF	MDV	0.00	7.5770e-003
tblVehicleEF	MDV	476.03	0.00
tblVehicleEF	MDV	101.24	0.03
tblVehicleEF	MDV	0.00	0.02
tblVehicleEF	MDV	0.12	0.00
tblVehicleEF	MDV	0.21	9.7530e-003
tblVehicleEF	MDV	0.00	0.09
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.0000e-003	0.04
tblVehicleEF	MDV	2.1080e-003	0.50
tblVehicleEF	MDV	2.4110e-003	0.37
tblVehicleEF	MDV	0.00	0.03
tblVehicleEF	MDV	0.02	0.37
tblVehicleEF	MDV	2.0000e-003	0.40
tblVehicleEF	MDV	1.9430e-003	0.45

tblVehicleEF	MDV	2.2170e-003	0.50
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.17	1.7780e-003
tblVehicleEF	MDV	0.07	2.1000e-005
tblVehicleEF	MDV	0.03	0.11
tblVehicleEF	MDV	0.11	0.00
tblVehicleEF	MDV	4.7660e-003	1.18
tblVehicleEF	MDV	1.0530e-003	3.21
tblVehicleEF	MDV	0.07	89.28
tblVehicleEF	MDV	0.17	2.0580e-003
tblVehicleEF	MDV	0.00	4.4600e-004
tblVehicleEF	MDV	0.07	7.9160e-003
tblVehicleEF	MDV	0.04	0.02
tblVehicleEF	MDV	0.11	8.0020e-003
tblVehicleEF	MDV	0.19	0.00
tblVehicleEF	MH	0.02	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.75	1.21
tblVehicleEF	MH	5.15	2.15
tblVehicleEF	MH	1,102.46	1,501.21
tblVehicleEF	MH	58.88	19.42
tblVehicleEF	MH	1.12	1.11
tblVehicleEF	MH	0.75	0.25
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	1.0110e-003	2.8400e-004
tblVehicleEF	MH	3.2180e-003	3.2450e-003
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	9.3000e-004	2.6100e-004

tbIVehicleEF	MH	0.93	0.84
tbIVehicleEF	MH	0.06	0.06
tbIVehicleEF	MH	0.38	0.35
tbIVehicleEF	MH	0.07	0.06
tbIVehicleEF	MH	0.02	1.46
tbIVehicleEF	MH	0.30	0.10
tbIVehicleEF	MH	0.01	0.01
tbIVehicleEF	MH	6.7800e-004	1.9200e-004
tbIVehicleEF	MH	0.93	0.84
tbIVehicleEF	MH	0.06	0.06
tbIVehicleEF	MH	0.38	0.35
tbIVehicleEF	MH	0.10	0.08
tbIVehicleEF	MH	0.02	1.46
tbIVehicleEF	MH	0.33	0.11
tbIVehicleEF	MH	0.00	0.92
tbIVehicleEF	MH	0.02	0.00
tbIVehicleEF	MH	0.02	0.06
tbIVehicleEF	MH	0.00	192.01
tbIVehicleEF	MH	1.80	0.00
tbIVehicleEF	MH	4.84	0.01
tbIVehicleEF	MH	0.00	0.27
tbIVehicleEF	MH	1,102.46	0.00
tbIVehicleEF	MH	58.88	0.06
tbIVehicleEF	MH	0.00	0.22
tbIVehicleEF	MH	1.04	0.00
tbIVehicleEF	MH	0.72	0.05
tbIVehicleEF	MH	0.00	0.50
tbIVehicleEF	MH	0.13	0.00
tbIVehicleEF	MH	0.01	0.08

tbIVehicleEF	MH	0.02	1.42
tbIVehicleEF	MH	1.0110e-003	0.12
tbIVehicleEF	MH	0.00	0.60
tbIVehicleEF	MH	0.06	0.12
tbIVehicleEF	MH	3.2180e-003	0.05
tbIVehicleEF	MH	0.02	0.10
tbIVehicleEF	MH	9.3000e-004	1.43
tbIVehicleEF	MH	1.40	0.03
tbIVehicleEF	MH	0.06	0.02
tbIVehicleEF	MH	0.58	2.6060e-003
tbIVehicleEF	MH	0.07	1.03
tbIVehicleEF	MH	0.02	0.00
tbIVehicleEF	MH	0.28	0.24
tbIVehicleEF	MH	0.01	1.24
tbIVehicleEF	MH	6.7300e-004	2.03
tbIVehicleEF	MH	1.40	15,054.74
tbIVehicleEF	MH	0.06	2.8400e-004
tbIVehicleEF	MH	0.00	0.19
tbIVehicleEF	MH	0.58	1.30
tbIVehicleEF	MH	0.10	0.06
tbIVehicleEF	MH	0.02	0.01
tbIVehicleEF	MH	0.31	0.00
tbIVehicleEF	MH	0.00	0.97
tbIVehicleEF	MH	0.02	0.00
tbIVehicleEF	MH	0.02	0.07
tbIVehicleEF	MH	0.00	194.46
tbIVehicleEF	MH	1.74	0.00
tbIVehicleEF	MH	5.19	0.01
tbIVehicleEF	MH	0.00	0.28

tblVehicleEF	MH	1,102.46	0.00
tblVehicleEF	MH	58.88	0.06
tblVehicleEF	MH	0.00	0.24
tblVehicleEF	MH	1.10	0.00
tblVehicleEF	MH	0.75	0.05
tblVehicleEF	MH	0.00	0.36
tblVehicleEF	MH	0.13	0.00
tblVehicleEF	MH	0.01	0.08
tblVehicleEF	MH	0.02	1.53
tblVehicleEF	MH	1.0110e-003	0.09
tblVehicleEF	MH	0.00	0.71
tblVehicleEF	MH	0.06	0.09
tblVehicleEF	MH	3.2180e-003	0.04
tblVehicleEF	MH	0.02	0.11
tblVehicleEF	MH	9.3000e-004	1.54
tblVehicleEF	MH	1.03	0.03
tblVehicleEF	MH	0.08	0.02
tblVehicleEF	MH	0.40	2.6060e-003
tblVehicleEF	MH	0.07	1.09
tblVehicleEF	MH	0.02	0.00
tblVehicleEF	MH	0.30	0.25
tblVehicleEF	MH	0.01	1.20
tblVehicleEF	MH	6.7900e-004	2.18
tblVehicleEF	MH	1.03	15,054.02
tblVehicleEF	MH	0.08	2.8400e-004
tblVehicleEF	MH	0.00	0.19
tblVehicleEF	MH	0.40	1.30
tblVehicleEF	MH	0.10	0.06
tblVehicleEF	MH	0.02	0.01

tblVehicleEF	MH	0.33	0.00
tblVehicleEF	MHD	0.02	4.3860e-003
tblVehicleEF	MHD	3.3120e-003	4.5970e-003
tblVehicleEF	MHD	0.05	0.01
tblVehicleEF	MHD	0.34	0.39
tblVehicleEF	MHD	0.28	0.47
tblVehicleEF	MHD	5.26	1.42
tblVehicleEF	MHD	138.52	67.37
tblVehicleEF	MHD	1,128.29	1,069.65
tblVehicleEF	MHD	59.14	12.05
tblVehicleEF	MHD	0.37	0.48
tblVehicleEF	MHD	0.70	1.63
tblVehicleEF	MHD	10.62	1.29
tblVehicleEF	MHD	1.0200e-004	1.0770e-003
tblVehicleEF	MHD	2.8190e-003	0.03
tblVehicleEF	MHD	7.6400e-004	1.3700e-004
tblVehicleEF	MHD	9.8000e-005	1.0300e-003
tblVehicleEF	MHD	2.6930e-003	0.03
tblVehicleEF	MHD	7.0300e-004	1.2600e-004
tblVehicleEF	MHD	1.0280e-003	6.6200e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	6.7100e-004	4.2600e-004
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.32	0.07
tblVehicleEF	MHD	1.3330e-003	6.4000e-004
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	6.8400e-004	1.1900e-004

tblVehicleEF	MHD	1.0280e-003	6.6200e-004
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	6.7100e-004	4.2600e-004
tblVehicleEF	MHD	0.04	0.07
tblVehicleEF	MHD	0.02	0.14
tblVehicleEF	MHD	0.35	0.07
tblVehicleEF	MHD	0.01	3.1600e-003
tblVehicleEF	MHD	3.3570e-003	0.23
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	0.25	0.60
tblVehicleEF	MHD	0.28	801.62
tblVehicleEF	MHD	5.00	6.3020e-003
tblVehicleEF	MHD	146.72	4.4400e-004
tblVehicleEF	MHD	1,128.29	0.11
tblVehicleEF	MHD	59.14	0.06
tblVehicleEF	MHD	0.38	5.9500e-004
tblVehicleEF	MHD	0.66	0.04
tblVehicleEF	MHD	10.59	0.11
tblVehicleEF	MHD	8.6000e-005	6.0400e-004
tblVehicleEF	MHD	0.13	0.31
tblVehicleEF	MHD	0.01	0.07
tblVehicleEF	MHD	2.8190e-003	0.07
tblVehicleEF	MHD	7.6400e-004	0.02
tblVehicleEF	MHD	8.3000e-005	1.3950e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	6.2570e-003
tblVehicleEF	MHD	2.6930e-003	0.04
tblVehicleEF	MHD	7.0300e-004	0.14

tbIVehicleEF	MHD	1.5610e-003	2.5700e-004
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.02	0.48
tbIVehicleEF	MHD	9.8200e-004	6.0000e-006
tbIVehicleEF	MHD	0.03	1.54
tbIVehicleEF	MHD	0.02	8.5670e-003
tbIVehicleEF	MHD	0.31	1.29
tbIVehicleEF	MHD	1.4110e-003	0.32
tbIVehicleEF	MHD	0.01	0.48
tbIVehicleEF	MHD	6.7900e-004	1.35
tbIVehicleEF	MHD	1.5610e-003	92.89
tbIVehicleEF	MHD	0.04	1.3700e-004
tbIVehicleEF	MHD	0.03	2.6640e-003
tbIVehicleEF	MHD	9.8200e-004	0.01
tbIVehicleEF	MHD	0.04	0.06
tbIVehicleEF	MHD	0.02	0.01
tbIVehicleEF	MHD	0.34	8.9540e-003
tbIVehicleEF	MHD	0.02	3.3190e-003
tbIVehicleEF	MHD	3.3000e-003	0.25
tbIVehicleEF	MHD	0.05	0.03
tbIVehicleEF	MHD	0.47	0.60
tbIVehicleEF	MHD	0.28	779.65
tbIVehicleEF	MHD	5.30	6.1700e-003
tbIVehicleEF	MHD	127.19	4.5700e-004
tbIVehicleEF	MHD	1,128.29	0.11
tbIVehicleEF	MHD	59.14	0.06
tbIVehicleEF	MHD	0.35	6.2100e-004
tbIVehicleEF	MHD	0.69	0.05
tbIVehicleEF	MHD	10.63	0.11

tbIVehicleEF	MHD	1.2500e-004	4.1600e-004
tbIVehicleEF	MHD	0.13	0.34
tbIVehicleEF	MHD	0.01	0.07
tbIVehicleEF	MHD	2.8190e-003	0.08
tbIVehicleEF	MHD	7.6400e-004	0.01
tbIVehicleEF	MHD	1.1900e-004	1.4610e-003
tbIVehicleEF	MHD	0.06	7.1060e-003
tbIVehicleEF	MHD	3.0000e-003	4.3140e-003
tbIVehicleEF	MHD	2.6930e-003	0.04
tbIVehicleEF	MHD	7.0300e-004	0.16
tbIVehicleEF	MHD	1.0490e-003	2.5700e-004
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.03	0.48
tbIVehicleEF	MHD	6.6300e-004	6.0000e-006
tbIVehicleEF	MHD	0.03	1.60
tbIVehicleEF	MHD	0.02	0.01
tbIVehicleEF	MHD	0.33	1.29
tbIVehicleEF	MHD	1.2270e-003	0.49
tbIVehicleEF	MHD	0.01	0.47
tbIVehicleEF	MHD	6.8400e-004	1.44
tbIVehicleEF	MHD	1.0490e-003	92.89
tbIVehicleEF	MHD	0.04	1.3700e-004
tbIVehicleEF	MHD	0.04	2.6640e-003
tbIVehicleEF	MHD	6.6300e-004	0.01
tbIVehicleEF	MHD	0.04	0.06
tbIVehicleEF	MHD	0.02	0.01
tbIVehicleEF	MHD	0.36	0.01
tbIVehicleEF	OBUS	0.01	8.4810e-003
tbIVehicleEF	OBUS	6.0680e-003	7.0170e-003

tbIVehicleEF	OBUS	0.03	0.02
tbIVehicleEF	OBUS	0.25	0.60
tbIVehicleEF	OBUS	0.45	0.79
tbIVehicleEF	OBUS	5.23	2.39
tbIVehicleEF	OBUS	92.13	94.60
tbIVehicleEF	OBUS	1,229.05	1,392.48
tbIVehicleEF	OBUS	68.41	19.23
tbIVehicleEF	OBUS	0.19	0.46
tbIVehicleEF	OBUS	0.64	1.57
tbIVehicleEF	OBUS	2.34	0.76
tbIVehicleEF	OBUS	1.8000e-005	7.9300e-004
tbIVehicleEF	OBUS	2.5270e-003	0.02
tbIVehicleEF	OBUS	8.5100e-004	1.9700e-004
tbIVehicleEF	OBUS	1.7000e-005	7.5900e-004
tbIVehicleEF	OBUS	2.4010e-003	0.02
tbIVehicleEF	OBUS	7.8200e-004	1.8100e-004
tbIVehicleEF	OBUS	1.4810e-003	1.8440e-003
tbIVehicleEF	OBUS	0.02	0.02
tbIVehicleEF	OBUS	0.03	0.06
tbIVehicleEF	OBUS	7.8200e-004	9.4300e-004
tbIVehicleEF	OBUS	0.04	0.06
tbIVehicleEF	OBUS	0.04	0.26
tbIVehicleEF	OBUS	0.33	0.11
tbIVehicleEF	OBUS	8.9100e-004	9.0000e-004
tbIVehicleEF	OBUS	0.01	0.01
tbIVehicleEF	OBUS	7.7600e-004	1.9000e-004
tbIVehicleEF	OBUS	1.4810e-003	1.8440e-003
tbIVehicleEF	OBUS	0.02	0.02
tbIVehicleEF	OBUS	0.05	0.07

tbIVehicleEF	OBUS	7.8200e-004	9.4300e-004
tbIVehicleEF	OBUS	0.05	0.08
tbIVehicleEF	OBUS	0.04	0.26
tbIVehicleEF	OBUS	0.36	0.13
tbIVehicleEF	OBUS	0.01	5.5090e-003
tbIVehicleEF	OBUS	6.1800e-003	0.93
tbIVehicleEF	OBUS	0.03	0.02
tbIVehicleEF	OBUS	0.24	0.95
tbIVehicleEF	OBUS	0.45	1,847.71
tbIVehicleEF	OBUS	4.94	0.01
tbIVehicleEF	OBUS	96.60	8.9700e-004
tbIVehicleEF	OBUS	1,229.05	0.27
tbIVehicleEF	OBUS	68.41	0.06
tbIVehicleEF	OBUS	0.20	1.0490e-003
tbIVehicleEF	OBUS	0.60	0.11
tbIVehicleEF	OBUS	2.30	0.07
tbIVehicleEF	OBUS	1.5000e-005	1.3250e-003
tbIVehicleEF	OBUS	0.13	1.16
tbIVehicleEF	OBUS	0.01	0.08
tbIVehicleEF	OBUS	2.5270e-003	0.15
tbIVehicleEF	OBUS	8.5100e-004	0.05
tbIVehicleEF	OBUS	1.4000e-005	1.1330e-003
tbIVehicleEF	OBUS	0.06	0.03
tbIVehicleEF	OBUS	3.0000e-003	0.02
tbIVehicleEF	OBUS	2.4010e-003	0.07
tbIVehicleEF	OBUS	7.8200e-004	0.26
tbIVehicleEF	OBUS	2.2200e-003	1.9300e-004
tbIVehicleEF	OBUS	0.02	8.2800e-003
tbIVehicleEF	OBUS	0.03	0.45

tbIVehicleEF	OBUS	1.1540e-003	9.0000e-006
tbIVehicleEF	OBUS	0.04	1.47
tbIVehicleEF	OBUS	0.04	6.3020e-003
tbIVehicleEF	OBUS	0.31	0.75
tbIVehicleEF	OBUS	9.3400e-004	0.58
tbIVehicleEF	OBUS	0.01	0.80
tbIVehicleEF	OBUS	7.7100e-004	2.26
tbIVehicleEF	OBUS	2.2200e-003	94.66
tbIVehicleEF	OBUS	0.02	1.9700e-004
tbIVehicleEF	OBUS	0.05	8.5200e-004
tbIVehicleEF	OBUS	1.1540e-003	8.3860e-003
tbIVehicleEF	OBUS	0.05	0.06
tbIVehicleEF	OBUS	0.04	0.01
tbIVehicleEF	OBUS	0.34	6.5870e-003
tbIVehicleEF	OBUS	0.01	5.7950e-003
tbIVehicleEF	OBUS	6.0410e-003	0.89
tbIVehicleEF	OBUS	0.03	0.02
tbIVehicleEF	OBUS	0.25	0.96
tbIVehicleEF	OBUS	0.45	1,854.49
tbIVehicleEF	OBUS	5.28	0.01
tbIVehicleEF	OBUS	85.94	9.2400e-004
tbIVehicleEF	OBUS	1,229.05	0.27
tbIVehicleEF	OBUS	68.41	0.06
tbIVehicleEF	OBUS	0.18	1.1010e-003
tbIVehicleEF	OBUS	0.63	0.11
tbIVehicleEF	OBUS	2.34	0.07
tbIVehicleEF	OBUS	2.1000e-005	9.2500e-004
tbIVehicleEF	OBUS	0.13	1.11
tbIVehicleEF	OBUS	0.01	0.08

tbIVehicleEF	OBUS	2.5270e-003	0.16
tbIVehicleEF	OBUS	8.5100e-004	0.04
tbIVehicleEF	OBUS	2.0000e-005	1.1750e-003
tbIVehicleEF	OBUS	0.06	0.02
tbIVehicleEF	OBUS	3.0000e-003	0.01
tbIVehicleEF	OBUS	2.4010e-003	0.07
tbIVehicleEF	OBUS	7.8200e-004	0.28
tbIVehicleEF	OBUS	1.5070e-003	1.9300e-004
tbIVehicleEF	OBUS	0.02	8.2800e-003
tbIVehicleEF	OBUS	0.03	0.47
tbIVehicleEF	OBUS	7.7100e-004	9.0000e-006
tbIVehicleEF	OBUS	0.04	1.54
tbIVehicleEF	OBUS	0.04	8.9540e-003
tbIVehicleEF	OBUS	0.33	0.76
tbIVehicleEF	OBUS	8.3200e-004	0.62
tbIVehicleEF	OBUS	0.01	0.79
tbIVehicleEF	OBUS	7.7700e-004	2.42
tbIVehicleEF	OBUS	1.5070e-003	94.65
tbIVehicleEF	OBUS	0.02	1.9700e-004
tbIVehicleEF	OBUS	0.05	8.5200e-004
tbIVehicleEF	OBUS	7.7100e-004	8.3860e-003
tbIVehicleEF	OBUS	0.05	0.06
tbIVehicleEF	OBUS	0.04	0.01
tbIVehicleEF	OBUS	0.36	9.3590e-003
tbIVehicleEF	SBUS	0.83	0.07
tbIVehicleEF	SBUS	0.01	7.0580e-003
tbIVehicleEF	SBUS	0.06	6.2120e-003
tbIVehicleEF	SBUS	8.05	2.77
tbIVehicleEF	SBUS	0.70	0.59

tblVehicleEF	SBUS	7.21	0.85
tblVehicleEF	SBUS	1,117.62	351.72
tblVehicleEF	SBUS	1,084.59	1,109.67
tblVehicleEF	SBUS	55.10	5.24
tblVehicleEF	SBUS	8.67	3.22
tblVehicleEF	SBUS	3.92	4.87
tblVehicleEF	SBUS	12.12	0.88
tblVehicleEF	SBUS	8.2760e-003	4.1230e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.8500e-004	5.1000e-005
tblVehicleEF	SBUS	7.9180e-003	3.9440e-003
tblVehicleEF	SBUS	2.6790e-003	2.6820e-003
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	7.2200e-004	4.7000e-005
tblVehicleEF	SBUS	3.5810e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	0.96	0.32
tblVehicleEF	SBUS	1.9090e-003	4.8200e-004
tblVehicleEF	SBUS	0.10	0.10
tblVehicleEF	SBUS	0.01	0.05
tblVehicleEF	SBUS	0.38	0.04
tblVehicleEF	SBUS	0.01	3.3550e-003
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	6.7600e-004	5.2000e-005
tblVehicleEF	SBUS	3.5810e-003	9.0700e-004
tblVehicleEF	SBUS	0.03	7.8550e-003
tblVehicleEF	SBUS	1.38	0.46
tblVehicleEF	SBUS	1.9090e-003	4.8200e-004

tbIVehicleEF	SBUS	0.12	0.11
tbIVehicleEF	SBUS	0.01	0.05
tbIVehicleEF	SBUS	0.42	0.04
tbIVehicleEF	SBUS	0.83	7.9680e-003
tbIVehicleEF	SBUS	0.01	3.57
tbIVehicleEF	SBUS	0.06	7.9970e-003
tbIVehicleEF	SBUS	7.94	1.24
tbIVehicleEF	SBUS	0.71	3,371.97
tbIVehicleEF	SBUS	5.75	5.9880e-003
tbIVehicleEF	SBUS	1,167.88	1.4740e-003
tbIVehicleEF	SBUS	1,084.59	0.43
tbIVehicleEF	SBUS	55.10	0.11
tbIVehicleEF	SBUS	8.95	1.3830e-003
tbIVehicleEF	SBUS	3.70	0.78
tbIVehicleEF	SBUS	12.09	0.17
tbIVehicleEF	SBUS	6.9770e-003	6.7400e-004
tbIVehicleEF	SBUS	0.74	5.14
tbIVehicleEF	SBUS	0.01	0.11
tbIVehicleEF	SBUS	0.02	0.13
tbIVehicleEF	SBUS	7.8500e-004	5.2810e-003
tbIVehicleEF	SBUS	6.6750e-003	1.9990e-003
tbIVehicleEF	SBUS	0.32	0.02
tbIVehicleEF	SBUS	2.6790e-003	7.7120e-003
tbIVehicleEF	SBUS	0.02	0.10
tbIVehicleEF	SBUS	7.2200e-004	0.05
tbIVehicleEF	SBUS	5.4810e-003	2.8700e-004
tbIVehicleEF	SBUS	0.03	0.04
tbIVehicleEF	SBUS	0.95	3.29
tbIVehicleEF	SBUS	2.8990e-003	1.2000e-005

tbIVehicleEF	SBUS	0.10	4.59
tbIVehicleEF	SBUS	0.01	0.04
tbIVehicleEF	SBUS	0.34	0.87
tbIVehicleEF	SBUS	0.01	2.74
tbIVehicleEF	SBUS	0.01	0.60
tbIVehicleEF	SBUS	6.5100e-004	0.69
tbIVehicleEF	SBUS	5.4810e-003	118.27
tbIVehicleEF	SBUS	0.03	5.1000e-005
tbIVehicleEF	SBUS	1.38	3.2450e-003
tbIVehicleEF	SBUS	2.8990e-003	0.08
tbIVehicleEF	SBUS	0.12	0.32
tbIVehicleEF	SBUS	0.01	0.01
tbIVehicleEF	SBUS	0.37	0.04
tbIVehicleEF	SBUS	0.83	9.1700e-003
tbIVehicleEF	SBUS	0.01	3.57
tbIVehicleEF	SBUS	0.06	8.2560e-003
tbIVehicleEF	SBUS	8.20	1.32
tbIVehicleEF	SBUS	0.70	3,202.19
tbIVehicleEF	SBUS	7.43	5.9530e-003
tbIVehicleEF	SBUS	1,048.22	1.5370e-003
tbIVehicleEF	SBUS	1,084.59	0.40
tbIVehicleEF	SBUS	55.10	0.11
tbIVehicleEF	SBUS	8.29	1.5910e-003
tbIVehicleEF	SBUS	3.86	0.77
tbIVehicleEF	SBUS	12.12	0.17
tbIVehicleEF	SBUS	0.01	4.6300e-004
tbIVehicleEF	SBUS	0.74	5.15
tbIVehicleEF	SBUS	0.01	0.11
tbIVehicleEF	SBUS	0.02	0.18

tbIVehicleEF	SBUS	7.8500e-004	3.6810e-003
tbIVehicleEF	SBUS	9.6340e-003	2.0640e-003
tbIVehicleEF	SBUS	0.32	0.01
tbIVehicleEF	SBUS	2.6790e-003	5.2960e-003
tbIVehicleEF	SBUS	0.02	0.11
tbIVehicleEF	SBUS	7.2200e-004	0.06
tbIVehicleEF	SBUS	3.5300e-003	2.8700e-004
tbIVehicleEF	SBUS	0.03	0.04
tbIVehicleEF	SBUS	0.96	3.13
tbIVehicleEF	SBUS	1.8720e-003	1.2000e-005
tbIVehicleEF	SBUS	0.10	4.79
tbIVehicleEF	SBUS	0.02	0.06
tbIVehicleEF	SBUS	0.39	0.88
tbIVehicleEF	SBUS	0.01	2.83
tbIVehicleEF	SBUS	0.01	0.58
tbIVehicleEF	SBUS	6.7900e-004	0.88
tbIVehicleEF	SBUS	3.5300e-003	118.27
tbIVehicleEF	SBUS	0.03	5.1000e-005
tbIVehicleEF	SBUS	1.39	3.2450e-003
tbIVehicleEF	SBUS	1.8720e-003	0.08
tbIVehicleEF	SBUS	0.12	0.32
tbIVehicleEF	SBUS	0.02	0.01
tbIVehicleEF	SBUS	0.43	0.06
tbIVehicleEF	UBUS	2.23	5.80
tbIVehicleEF	UBUS	0.06	0.01
tbIVehicleEF	UBUS	10.02	45.07
tbIVehicleEF	UBUS	10.14	0.71
tbIVehicleEF	UBUS	1,910.27	1,988.80
tbIVehicleEF	UBUS	112.81	8.53

tbIVehicleEF	UBUS	7.96	0.48
tbIVehicleEF	UBUS	14.44	0.08
tbIVehicleEF	UBUS	0.58	0.07
tbIVehicleEF	UBUS	0.01	0.03
tbIVehicleEF	UBUS	0.10	3.2120e-003
tbIVehicleEF	UBUS	1.2160e-003	4.6000e-005
tbIVehicleEF	UBUS	0.25	0.03
tbIVehicleEF	UBUS	3.0000e-003	7.9830e-003
tbIVehicleEF	UBUS	0.10	3.0700e-003
tbIVehicleEF	UBUS	1.1180e-003	4.2000e-005
tbIVehicleEF	UBUS	4.9050e-003	6.1100e-004
tbIVehicleEF	UBUS	0.08	8.4590e-003
tbIVehicleEF	UBUS	2.8380e-003	4.9000e-004
tbIVehicleEF	UBUS	0.70	0.08
tbIVehicleEF	UBUS	0.03	0.05
tbIVehicleEF	UBUS	0.79	0.05
tbIVehicleEF	UBUS	9.5820e-003	1.5580e-003
tbIVehicleEF	UBUS	1.3110e-003	8.4000e-005
tbIVehicleEF	UBUS	4.9050e-003	6.1100e-004
tbIVehicleEF	UBUS	0.08	8.4590e-003
tbIVehicleEF	UBUS	2.8380e-003	4.9000e-004
tbIVehicleEF	UBUS	3.01	5.92
tbIVehicleEF	UBUS	0.03	0.05
tbIVehicleEF	UBUS	0.86	0.05
tbIVehicleEF	UBUS	0.00	0.01
tbIVehicleEF	UBUS	2.23	0.00
tbIVehicleEF	UBUS	0.05	8.7350e-003
tbIVehicleEF	UBUS	0.00	2.10
tbIVehicleEF	UBUS	10.08	0.00

tbIVehicleEF	UBUS	8.80	0.67
tbIVehicleEF	UBUS	0.00	1.7650e-003
tbIVehicleEF	UBUS	1,910.27	0.00
tbIVehicleEF	UBUS	112.81	2.0170e-003
tbIVehicleEF	UBUS	0.00	2.5820e-003
tbIVehicleEF	UBUS	7.50	0.00
tbIVehicleEF	UBUS	14.38	4.3400e-003
tbIVehicleEF	UBUS	0.00	6.8000e-004
tbIVehicleEF	UBUS	0.58	0.00
tbIVehicleEF	UBUS	0.01	5.92
tbIVehicleEF	UBUS	0.10	0.03
tbIVehicleEF	UBUS	1.2160e-003	3.5700e-003
tbIVehicleEF	UBUS	0.00	2.1840e-003
tbIVehicleEF	UBUS	0.25	2.5140e-003
tbIVehicleEF	UBUS	3.0000e-003	1.9150e-003
tbIVehicleEF	UBUS	0.10	0.03
tbIVehicleEF	UBUS	1.1180e-003	0.05
tbIVehicleEF	UBUS	7.1810e-003	9.1000e-005
tbIVehicleEF	UBUS	0.08	1.5700e-004
tbIVehicleEF	UBUS	4.1630e-003	1.0000e-005
tbIVehicleEF	UBUS	0.71	0.48
tbIVehicleEF	UBUS	0.02	0.00
tbIVehicleEF	UBUS	0.72	0.08
tbIVehicleEF	UBUS	9.5830e-003	45.07
tbIVehicleEF	UBUS	1.2880e-003	0.62
tbIVehicleEF	UBUS	7.1810e-003	53.30
tbIVehicleEF	UBUS	0.08	4.6000e-005
tbIVehicleEF	UBUS	0.00	4.2000e-005
tbIVehicleEF	UBUS	4.1630e-003	3.2690e-003

tblVehicleEF	UBUS	3.02	0.03
tblVehicleEF	UBUS	0.02	1.4510e-003
tblVehicleEF	UBUS	0.79	0.00
tblVehicleEF	UBUS	0.00	0.01
tblVehicleEF	UBUS	2.23	0.00
tblVehicleEF	UBUS	0.06	9.0200e-003
tblVehicleEF	UBUS	0.00	2.14
tblVehicleEF	UBUS	10.01	0.00
tblVehicleEF	UBUS	10.32	0.67
tblVehicleEF	UBUS	0.00	1.8120e-003
tblVehicleEF	UBUS	1,910.27	0.00
tblVehicleEF	UBUS	112.81	1.9670e-003
tblVehicleEF	UBUS	0.00	2.8220e-003
tblVehicleEF	UBUS	7.81	0.00
tblVehicleEF	UBUS	14.45	4.5080e-003
tblVehicleEF	UBUS	0.00	4.6500e-004
tblVehicleEF	UBUS	0.58	0.00
tblVehicleEF	UBUS	0.01	5.92
tblVehicleEF	UBUS	0.10	0.05
tblVehicleEF	UBUS	1.2160e-003	2.3810e-003
tblVehicleEF	UBUS	0.00	2.2550e-003
tblVehicleEF	UBUS	0.25	1.6770e-003
tblVehicleEF	UBUS	3.0000e-003	1.3100e-003
tblVehicleEF	UBUS	0.10	0.04
tblVehicleEF	UBUS	1.1180e-003	0.07
tblVehicleEF	UBUS	5.4680e-003	9.1000e-005
tblVehicleEF	UBUS	0.09	1.5700e-004
tblVehicleEF	UBUS	2.9720e-003	1.0000e-005
tblVehicleEF	UBUS	0.70	0.48

tbIVehicleEF	UBUS	0.03	0.00
tbIVehicleEF	UBUS	0.80	0.08
tbIVehicleEF	UBUS	9.5820e-003	45.07
tbIVehicleEF	UBUS	1.3140e-003	0.72
tbIVehicleEF	UBUS	5.4680e-003	53.30
tbIVehicleEF	UBUS	0.09	4.6000e-005
tbIVehicleEF	UBUS	0.00	4.2000e-005
tbIVehicleEF	UBUS	2.9720e-003	3.2690e-003
tbIVehicleEF	UBUS	3.01	0.03
tbIVehicleEF	UBUS	0.03	1.4510e-003
tbIVehicleEF	UBUS	0.88	0.00
tbIVehicleTrips	SU_TR	16.74	19.50
tbIVehicleTrips	WD_TR	1.89	34.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2726	2.7504	1.8205	4.9100e-003	0.2760	0.1138	0.3898	0.1413	0.1047	0.2460	0.0000	436.8267	436.8267	0.1239	0.0000	439.9246
2022	0.0792	0.7101	0.6862	1.7800e-003	0.0342	0.0285	0.0627	9.1800e-003	0.0262	0.0354	0.0000	158.8016	158.8016	0.0395	0.0000	159.7889
Maximum	0.2726	2.7504	1.8205	4.9100e-003	0.2760	0.1138	0.3898	0.1413	0.1047	0.2460	0.0000	436.8267	436.8267	0.1239	0.0000	439.9246

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2021	0.2726	2.7504	1.8205	4.9100e-003	0.1267	0.1138	0.2404	0.0602	0.1047	0.1649	0.0000	436.8263	436.8263	0.1239	0.0000	439.9242
2022	0.0792	0.7101	0.6862	1.7800e-003	0.0342	0.0285	0.0627	9.1800e-003	0.0262	0.0354	0.0000	158.8015	158.8015	0.0395	0.0000	159.7888
Maximum	0.2726	2.7504	1.8205	4.9100e-003	0.1267	0.1138	0.2404	0.0602	0.1047	0.1649	0.0000	436.8263	436.8263	0.1239	0.0000	439.9242

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	48.15	0.00	33.01	53.87	0.00	28.80	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	7-1-2021	9-30-2021	1.3220	1.3220
2	10-1-2021	12-31-2021	1.6817	1.6817
3	1-1-2022	3-31-2022	0.6903	0.6903
4	4-1-2022	6-30-2022	0.1104	0.1104
		Highest	1.6817	1.6817

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	1.0300e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	12.1443	12.1443	5.0000e-004	1.0000e-004	12.1877

Mobile	0.0332	0.0646	0.3215	8.8000e-004	0.0825	8.5000e-004	0.0834	0.0221	8.0000e-004	0.0229	0.0000	82.2062	82.2062	5.3900e-003	0.0000	82.3411
Waste						0.0000	0.0000		0.0000	0.0000	0.0426	0.0000	0.0426	2.5200e-003	0.0000	0.1056
Water						0.0000	0.0000		0.0000	0.0000	0.0000	10.5443	10.5443	4.4000e-004	9.0000e-005	10.5820
Total	0.0343	0.0646	0.3215	8.8000e-004	0.0825	8.5000e-004	0.0834	0.0221	8.0000e-004	0.0229	0.0426	104.8948	104.9374	8.8500e-003	1.9000e-004	105.2164

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	1.0300e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	12.1443	12.1443	5.0000e-004	1.0000e-004	12.1877
Mobile	0.0332	0.0646	0.3215	8.8000e-004	0.0825	8.5000e-004	0.0834	0.0221	8.0000e-004	0.0229	0.0000	82.2062	82.2062	5.3900e-003	0.0000	82.3411
Waste						0.0000	0.0000		0.0000	0.0000	0.0426	0.0000	0.0426	2.5200e-003	0.0000	0.1056
Water						0.0000	0.0000		0.0000	0.0000	0.0000	10.5443	10.5443	4.4000e-004	9.0000e-005	10.5820
Total	0.0343	0.0646	0.3215	8.8000e-004	0.0825	8.5000e-004	0.0834	0.0221	8.0000e-004	0.0229	0.0426	104.8948	104.9374	8.8500e-003	1.9000e-004	105.2164

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Clearing and Grubbing	Site Preparation	7/1/2021	7/28/2021	5	20	
2	Grading	Grading	7/29/2021	10/20/2021	5	60	
3	Paving and Construction	Building Construction	10/21/2021	2/9/2022	5	80	
4	Landscaping	Building Construction	2/10/2022	6/15/2022	5	90	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Clearing and Grubbing	Excavators	1	8.00	158	0.38
Clearing and Grubbing	Graders	0	8.00	187	0.41
Clearing and Grubbing	Off-Highway Trucks	2	8.00	402	0.38
Clearing and Grubbing	Rubber Tired Dozers	1	8.00	247	0.40
Clearing and Grubbing	Scrapers	0	8.00	367	0.48
Clearing and Grubbing	Sweepers/Scrubbers	1	8.00	64	0.46
Clearing and Grubbing	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Off-Highway Trucks	2	8.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving and Construction	Cranes	0	8.00	231	0.29
Paving and Construction	Excavators	1	8.00	158	0.38

Paving and Construction	Forklifts	0	7.00	89	0.20
Paving and Construction	Generator Sets	0	8.00	84	0.74
Paving and Construction	Off-Highway Trucks	3	8.00	402	0.38
Paving and Construction	Pavers	1	8.00	130	0.42
Paving and Construction	Rollers	1	8.00	80	0.38
Paving and Construction	Rubber Tired Dozers	1	8.00	247	0.40
Paving and Construction	Scrapers	1	8.00	367	0.48
Paving and Construction	Sweepers/Scrubbers	1	8.00	64	0.46
Paving and Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Paving and Construction	Welders	0	8.00	46	0.45
Landscaping	Air Compressors	0	6.00	78	0.48
Landscaping	Cranes	0	8.00	231	0.29
Landscaping	Forklifts	0	7.00	89	0.20
Landscaping	Generator Sets	0	8.00	84	0.74
Landscaping	Skid Steer Loaders	1	8.00	65	0.37
Landscaping	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Landscaping	Welders	0	8.00	46	0.45

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
Clearing and Grubbing	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	989.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving and Construction	9	46.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping	2	46.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Clearing and Grubbing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0626	0.0000	0.0626	0.0334	0.0000	0.0334	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0288	0.2737	0.1845	4.5000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	39.8622	39.8622	0.0129	0.0000	40.1845
Total	0.0288	0.2737	0.1845	4.5000e-004	0.0626	0.0127	0.0753	0.0334	0.0117	0.0451	0.0000	39.8622	39.8622	0.0129	0.0000	40.1845

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4350	1.4350	4.0000e-005	0.0000	1.4359
Total	6.2000e-004	4.6000e-004	5.2300e-003	2.0000e-005	1.6500e-003	1.0000e-005	1.6600e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.4350	1.4350	4.0000e-005	0.0000	1.4359

Mitigated Construction On-Site

Off-Road	0.1094	1.0923	0.7042	1.7300e-003		0.0477	0.0477		0.0439	0.0439	0.0000	152.3711	152.3711	0.0493	0.0000	153.6031
Total	0.1094	1.0923	0.7042	1.7300e-003	0.1823	0.0477	0.2300	0.0995	0.0439	0.1434	0.0000	152.3711	152.3711	0.0493	0.0000	153.6031

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	3.8000e-003	0.1323	0.0291	3.8000e-004	8.5000e-003	4.0000e-004	8.9000e-003	2.3300e-003	3.8000e-004	2.7200e-003	0.0000	37.1109	37.1109	2.6800e-003	0.0000	37.1778
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8700e-003	1.3900e-003	0.0157	5.0000e-005	4.9400e-003	4.0000e-005	4.9700e-003	1.3100e-003	3.0000e-005	1.3500e-003	0.0000	4.3049	4.3049	1.2000e-004	0.0000	4.3078
Total	5.6700e-003	0.1337	0.0448	4.3000e-004	0.0134	4.4000e-004	0.0139	3.6400e-003	4.1000e-004	4.0700e-003	0.0000	41.4158	41.4158	2.8000e-003	0.0000	41.4856

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					0.0711	0.0000	0.0711	0.0388	0.0000	0.0388	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1094	1.0923	0.7042	1.7300e-003		0.0477	0.0477		0.0439	0.0439	0.0000	152.3709	152.3709	0.0493	0.0000	153.6029
Total	0.1094	1.0923	0.7042	1.7300e-003	0.0711	0.0477	0.1188	0.0388	0.0439	0.0827	0.0000	152.3709	152.3709	0.0493	0.0000	153.6029

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	3.8000e-003	0.1323	0.0291	3.8000e-004	8.5000e-003	4.0000e-004	8.9000e-003	2.3300e-003	3.8000e-004	2.7200e-003	0.0000	37.1109	37.1109	2.6800e-003	0.0000	37.1778
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8700e-003	1.3900e-003	0.0157	5.0000e-005	4.9400e-003	4.0000e-005	4.9700e-003	1.3100e-003	3.0000e-005	1.3500e-003	0.0000	4.3049	4.3049	1.2000e-004	0.0000	4.3078
Total	5.6700e-003	0.1337	0.0448	4.3000e-004	0.0134	4.4000e-004	0.0139	3.6400e-003	4.1000e-004	4.0700e-003	0.0000	41.4158	41.4158	2.8000e-003	0.0000	41.4856

3.4 Paving and 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	0.1219	1.2010	0.8285	2.0400e-003		0.0527	0.0527		0.0485	0.0485	0.0000	178.9378	178.9378	0.0579	0.0000	180.3846
Total	0.1219	1.2010	0.8285	2.0400e-003		0.0527	0.0527		0.0485	0.0485	0.0000	178.9378	178.9378	0.0579	0.0000	180.3846

Unmitigated Construction Off-Site

Vendor	1.3500e-003	0.0455	0.0115	1.2000e-004	2.9500e-003	9.0000e-005	3.0400e-003	8.5000e-004	9.0000e-005	9.4000e-004	0.0000	11.3634	11.3634	7.3000e-004	0.0000	11.3817
Worker	4.9700e-003	3.6900e-003	0.0417	1.3000e-004	0.0131	1.0000e-004	0.0132	3.4800e-003	9.0000e-005	3.5800e-003	0.0000	11.4416	11.4416	3.1000e-004	0.0000	11.4493
Total	6.3200e-003	0.0492	0.0533	2.5000e-004	0.0161	1.9000e-004	0.0163	4.3300e-003	1.8000e-004	4.5200e-003	0.0000	22.8049	22.8049	1.0400e-003	0.0000	22.8309

3.4 Paving and 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	0.0562	0.5206	0.4193	1.1000e-003		0.0225	0.0225		0.0207	0.0207	0.0000	96.3954	96.3954	0.0312	0.0000	97.1748
Total	0.0562	0.5206	0.4193	1.1000e-003		0.0225	0.0225		0.0207	0.0207	0.0000	96.3954	96.3954	0.0312	0.0000	97.1748

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8000e-004	0.0233	5.8700e-003	6.0000e-005	1.5900e-003	4.0000e-005	1.6300e-003	4.6000e-004	4.0000e-005	5.0000e-004	0.0000	6.0647	6.0647	3.8000e-004	0.0000	6.0742
Worker	2.5100e-003	1.7900e-003	0.0208	7.0000e-005	7.0700e-003	5.0000e-005	7.1200e-003	1.8800e-003	5.0000e-005	1.9200e-003	0.0000	5.9402	5.9402	1.5000e-004	0.0000	5.9439
Total	3.1900e-003	0.0251	0.0266	1.3000e-004	8.6600e-003	9.0000e-005	8.7500e-003	2.3400e-003	9.0000e-005	2.4200e-003	0.0000	12.0048	12.0048	5.3000e-004	0.0000	12.0181

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	0.0562	0.5206	0.4193	1.1000e-003		0.0225	0.0225		0.0207	0.0207	0.0000	96.3953	96.3953	0.0312	0.0000	97.1747
Total	0.0562	0.5206	0.4193	1.1000e-003		0.0225	0.0225		0.0207	0.0207	0.0000	96.3953	96.3953	0.0312	0.0000	97.1747

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.8000e-004	0.0233	5.8700e-003	6.0000e-005	1.5900e-003	4.0000e-005	1.6300e-003	4.6000e-004	4.0000e-005	5.0000e-004	0.0000	6.0647	6.0647	3.8000e-004	0.0000	6.0742
Worker	2.5100e-003	1.7900e-003	0.0208	7.0000e-005	7.0700e-003	5.0000e-005	7.1200e-003	1.8800e-003	5.0000e-005	1.9200e-003	0.0000	5.9402	5.9402	1.5000e-004	0.0000	5.9439
Total	3.1900e-003	0.0251	0.0266	1.3000e-004	8.6600e-003	9.0000e-005	8.7500e-003	2.3400e-003	9.0000e-005	2.4200e-003	0.0000	12.0048	12.0048	5.3000e-004	0.0000	12.0181

3.5 Landscaping - 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	0.0105	0.1172	0.1631	2.3000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	20.4782	20.4782	6.6200e-003	0.0000	20.6438
Total	0.0105	0.1172	0.1631	2.3000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	20.4782	20.4782	6.6200e-003	0.0000	20.6438

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2100e-003	0.0415	0.0105	1.1000e-004	2.8400e-003	8.0000e-005	2.9100e-003	8.2000e-004	7.0000e-005	8.9000e-004	0.0000	10.8298	10.8298	6.8000e-004	0.0000	10.8468
Worker	8.0800e-003	5.7700e-003	0.0667	2.1000e-004	0.0227	1.7000e-004	0.0229	6.0300e-003	1.5000e-004	6.1800e-003	0.0000	19.0934	19.0934	4.8000e-004	0.0000	19.1054
Total	9.2900e-003	0.0473	0.0772	3.2000e-004	0.0256	2.5000e-004	0.0258	6.8500e-003	2.2000e-004	7.0700e-003	0.0000	29.9232	29.9232	1.1600e-003	0.0000	29.9522

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0105	0.1172	0.1631	2.3000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	20.4782	20.4782	6.6200e-003	0.0000	20.6438

Total	0.0105	0.1172	0.1631	2.3000e-004		5.6100e-003	5.6100e-003		5.1600e-003	5.1600e-003	0.0000	20.4782	20.4782	6.6200e-003	0.0000	20.6438
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Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.2100e-003	0.0415	0.0105	1.1000e-004	2.8400e-003	8.0000e-005	2.9100e-003	8.2000e-004	7.0000e-005	8.9000e-004	0.0000	10.8298	10.8298	6.8000e-004	0.0000	10.8468
Worker	8.0800e-003	5.7700e-003	0.0667	2.1000e-004	0.0227	1.7000e-004	0.0229	6.0300e-003	1.5000e-004	6.1800e-003	0.0000	19.0934	19.0934	4.8000e-004	0.0000	19.1054
Total	9.2900e-003	0.0473	0.0772	3.2000e-004	0.0256	2.5000e-004	0.0258	6.8500e-003	2.2000e-004	7.0700e-003	0.0000	29.9232	29.9232	1.1600e-003	0.0000	29.9522

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0332	0.0646	0.3215	8.8000e-004	0.0825	8.5000e-004	0.0834	0.0221	8.0000e-004	0.0229	0.0000	82.2062	82.2062	5.3900e-003	0.0000	82.3411

Unmitigated	0.0332	0.0646	0.3215	8.8000e-004	0.0825	8.5000e-004	0.0834	0.0221	8.0000e-004	0.0229	0.0000	82.2062	82.2062	5.3900e-003	0.0000	82.3411
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4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	85.00	56.88	48.75	218,128	218,128
Total	85.00	56.88	48.75	218,128	218,128

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552603	0.061033	0.186728	0.118579	0.023437	0.006039	0.017620	0.024846	0.001416	0.001678	0.004487	0.000623	0.000912

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	38115	12.1443	5.0000e-004	1.0000e-004	12.1877
Total		12.1443	5.0000e-004	1.0000e-004	12.1877

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	38115	12.1443	5.0000e-004	1.0000e-004	12.1877
Total		12.1443	5.0000e-004	1.0000e-004	12.1877

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	1.0300e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Unmitigated	1.0300e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005
Total	1.0200e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	7.0000e-005

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
SubCategory	tons/yr										MT/yr						
Architectural Coating	0.0000						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.0200e-003						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000			0.0000	0.0000		0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	0.0000	7.0000e-005
Total	1.0200e-003	0.0000	3.0000e-005	0.0000			0.0000	0.0000		0.0000	0.0000	6.0000e-005	6.0000e-005	0.0000	0.0000	0.0000	7.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.5443	4.4000e-004	9.0000e-005	10.5820
Unmitigated	10.5443	4.4000e-004	9.0000e-005	10.5820

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e

Land Use	Mgal	MT/yr			
City Park	0 / 2.9787	10.5443	4.4000e-004	9.0000e-005	10.5820
Total		10.5443	4.4000e-004	9.0000e-005	10.5820

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 2.9787	10.5443	4.4000e-004	9.0000e-005	10.5820
Total		10.5443	4.4000e-004	9.0000e-005	10.5820

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			

Mitigated	0.0426	2.5200e-003	0.0000	0.1056
Unmitigated	0.0426	2.5200e-003	0.0000	0.1056

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
Total		0.0426	2.5200e-003	0.0000	0.1056

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.21	0.0426	2.5200e-003	0.0000	0.1056
Total		0.0426	2.5200e-003	0.0000	0.1056

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Crawford Park - South Coast Air Basin, Summer

Crawford Park
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	2.50	Acre	2.50	108,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Schedule provided by applicant

Off-road Equipment - Equipment provided by Applicant

Off-road Equipment - Equipment provided by Applicant

Off-road Equipment - Equipment provided by Applicant

Off-road Equipment - Equipment provided by Applicant

Trips and VMT - Import 10,000 CY soil, vendor trips for construction and landscaping

Grading - Import 10,000 CY

Vehicle Trips - Trip Generation Source: Translutions, 2020

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Lighting from CalEEMod user guide for open parking lot lighting

Construction Off-road Equipment Mitigation - Water exposed area 3 times daily

Fleet Mix - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	80.00
tblConstructionPhase	NumDays	220.00	90.00
tblConstructionPhase	NumDays	6.00	60.00
tblConstructionPhase	NumDays	3.00	20.00
tblEnergyUse	LightingElect	0.00	0.35
tblFleetMix	HHD	0.03	0.02
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.04	0.06
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	5.8470e-003	6.0390e-003
tblFleetMix	MCY	4.8220e-003	4.4870e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.6900e-004	9.1200e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.1100e-003	1.4160e-003
tblFleetMix	SBUS	7.1000e-004	6.2300e-004
tblFleetMix	UBUS	1.7690e-003	1.6780e-003
tblGrading	AcresOfGrading	60.00	3.00
tblGrading	AcresOfGrading	0.00	4.50

tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	RecSwimmingAreaAllowEdit	0.00	108,900.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	VendorTripNumber	18.00	10.00
tblVehicleEF	HHD	0.52	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.59	6.32
tblVehicleEF	HHD	0.96	0.58
tblVehicleEF	HHD	3.04	9.3040e-003
tblVehicleEF	HHD	4,355.32	1,186.71
tblVehicleEF	HHD	1,551.76	1,477.44
tblVehicleEF	HHD	9.81	0.09
tblVehicleEF	HHD	13.94	6.38
tblVehicleEF	HHD	1.91	3.57
tblVehicleEF	HHD	19.62	2.07

tbIVehicleEF	HHD	9.5610e-003	3.9310e-003
tbIVehicleEF	HHD	0.06	0.06
tbIVehicleEF	HHD	0.04	0.04
tbIVehicleEF	HHD	6.0750e-003	0.03
tbIVehicleEF	HHD	8.4000e-005	2.0000e-006
tbIVehicleEF	HHD	9.1470e-003	3.7610e-003
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	8.8000e-003	8.8970e-003
tbIVehicleEF	HHD	5.8120e-003	0.03
tbIVehicleEF	HHD	7.7000e-005	1.0000e-006
tbIVehicleEF	HHD	9.9000e-005	7.0000e-006
tbIVehicleEF	HHD	4.1500e-003	2.6800e-004
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tbIVehicleEF	HHD	7.3000e-005	5.0000e-006
tbIVehicleEF	HHD	0.08	0.08
tbIVehicleEF	HHD	3.3800e-004	1.4610e-003
tbIVehicleEF	HHD	0.07	3.0000e-006
tbIVehicleEF	HHD	0.04	0.01
tbIVehicleEF	HHD	0.01	0.01
tbIVehicleEF	HHD	1.4800e-004	1.0000e-006
tbIVehicleEF	HHD	9.9000e-005	7.0000e-006
tbIVehicleEF	HHD	4.1500e-003	2.6800e-004
tbIVehicleEF	HHD	0.48	0.53
tbIVehicleEF	HHD	7.3000e-005	5.0000e-006
tbIVehicleEF	HHD	0.19	0.17
tbIVehicleEF	HHD	3.3800e-004	1.4610e-003
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tbIVehicleEF	HHD	0.49	0.00
tbIVehicleEF	HHD	0.09	4.84

tbIVehicleEF	HHD	0.07	2.7300e-004
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tbIVehicleEF	HHD	0.04	0.17
tbIVehicleEF	HHD	6.0750e-003	6.3500e-004
tbIVehicleEF	HHD	8.4000e-005	2.1900e-004
tbIVehicleEF	HHD	7.7120e-003	1.4000e-005
tbIVehicleEF	HHD	0.03	9.6000e-005
tbIVehicleEF	HHD	8.8000e-003	6.6000e-005
tbIVehicleEF	HHD	5.8120e-003	1.0000e-006
tbIVehicleEF	HHD	7.7000e-005	1.4410e-003
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tbIVehicleEF	HHD	0.08	3.38
tbIVehicleEF	HHD	3.3000e-004	0.03
tbIVehicleEF	HHD	0.07	2.07
tbIVehicleEF	HHD	0.04	6.18
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tbIVehicleEF	HHD	1.1000e-004	6.2480e-003
tbIVehicleEF	HHD	0.19	0.03
tbIVehicleEF	HHD	3.3000e-004	0.04
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tbIVehicleEF	HHD	3,998.00	2.0000e-006
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tbIVehicleEF	HHD	13.32	0.00
tbIVehicleEF	HHD	1.87	0.22
tbIVehicleEF	HHD	19.62	0.24
tbIVehicleEF	HHD	0.01	5.0000e-006
tbIVehicleEF	HHD	0.06	4.95
tbIVehicleEF	HHD	0.04	0.17
tbIVehicleEF	HHD	6.0750e-003	6.8400e-004
tbIVehicleEF	HHD	8.4000e-005	1.4600e-004
tbIVehicleEF	HHD	0.01	1.5000e-005
tbIVehicleEF	HHD	0.03	6.4000e-005
tbIVehicleEF	HHD	8.8000e-003	4.3000e-005
tbIVehicleEF	HHD	5.8120e-003	1.0000e-006

tbIVehicleEF	HHD	7.7000e-005	1.5510e-003
tbIVehicleEF	HHD	9.6000e-005	9.1000e-004
tbIVehicleEF	HHD	4.4260e-003	0.03
tbIVehicleEF	HHD	0.43	6.64
tbIVehicleEF	HHD	7.1000e-005	0.00
tbIVehicleEF	HHD	0.08	3.51
tbIVehicleEF	HHD	3.6700e-004	0.04
tbIVehicleEF	HHD	0.07	2.07
tbIVehicleEF	HHD	0.04	6.51
tbIVehicleEF	HHD	0.01	0.57
tbIVehicleEF	HHD	1.4800e-004	9.3940e-003
tbIVehicleEF	HHD	9.6000e-005	156.80
tbIVehicleEF	HHD	4.4260e-003	2.0000e-006
tbIVehicleEF	HHD	0.51	2.8010e-003
tbIVehicleEF	HHD	7.1000e-005	6.2480e-003
tbIVehicleEF	HHD	0.19	0.03
tbIVehicleEF	HHD	3.6700e-004	0.04
tbIVehicleEF	HHD	0.08	0.04
tbIVehicleEF	LDA	4.2840e-003	3.0340e-003
tbIVehicleEF	LDA	4.4900e-003	0.05
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tbIVehicleEF	LDA	54.70	53.31
tbIVehicleEF	LDA	0.04	0.04
tbIVehicleEF	LDA	0.06	0.18
tbIVehicleEF	LDA	1.9580e-003	1.7990e-003
tbIVehicleEF	LDA	2.2420e-003	1.8430e-003
tbIVehicleEF	LDA	1.8050e-003	1.6570e-003

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tblVehicleEF	LDA	0.03	0.05
tblVehicleEF	LDA	0.01	0.01
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.06	0.22
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tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.07	0.25
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tblVehicleEF	LDA	0.04	0.00

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tbIVehicleEF	LDA	1.9580e-003	0.20
tbIVehicleEF	LDA	2.2420e-003	0.39
tbIVehicleEF	LDA	0.00	0.02
tbIVehicleEF	LDA	0.02	0.39
tbIVehicleEF	LDA	2.0000e-003	0.33
tbIVehicleEF	LDA	1.8050e-003	0.22
tbIVehicleEF	LDA	2.0610e-003	0.20
tbIVehicleEF	LDA	0.06	0.00
tbIVehicleEF	LDA	0.10	1.4850e-003
tbIVehicleEF	LDA	0.05	1.7000e-005
tbIVehicleEF	LDA	0.01	0.04
tbIVehicleEF	LDA	0.03	0.00
tbIVehicleEF	LDA	2.6720e-003	0.79
tbIVehicleEF	LDA	5.6100e-004	1.79
tbIVehicleEF	LDA	0.06	60.05
tbIVehicleEF	LDA	0.10	1.8400e-003
tbIVehicleEF	LDA	0.00	3.8000e-004
tbIVehicleEF	LDA	0.05	7.7830e-003
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	0.03	8.0020e-003
tbIVehicleEF	LDA	0.06	0.00
tbIVehicleEF	LDA	0.00	0.05
tbIVehicleEF	LDA	4.1990e-003	0.00
tbIVehicleEF	LDA	4.5800e-003	0.11
tbIVehicleEF	LDA	0.00	11.32
tbIVehicleEF	LDA	0.55	0.00
tbIVehicleEF	LDA	1.03	2.9740e-003
tbIVehicleEF	LDA	0.00	5.3880e-003

tbIVehicleEF	LDA	249.51	0.00
tbIVehicleEF	LDA	54.70	0.01
tbIVehicleEF	LDA	0.00	0.01
tbIVehicleEF	LDA	0.04	0.00
tbIVehicleEF	LDA	0.06	4.7000e-003
tbIVehicleEF	LDA	0.00	0.05
tbIVehicleEF	LDA	0.04	0.00
tbIVehicleEF	LDA	8.0000e-003	0.02
tbIVehicleEF	LDA	1.9580e-003	0.24
tbIVehicleEF	LDA	2.2420e-003	0.24
tbIVehicleEF	LDA	0.00	0.02
tbIVehicleEF	LDA	0.02	0.24
tbIVehicleEF	LDA	2.0000e-003	0.22
tbIVehicleEF	LDA	1.8050e-003	0.25
tbIVehicleEF	LDA	2.0610e-003	0.24
tbIVehicleEF	LDA	0.03	0.00
tbIVehicleEF	LDA	0.10	1.4850e-003
tbIVehicleEF	LDA	0.03	1.7000e-005
tbIVehicleEF	LDA	0.01	0.04
tbIVehicleEF	LDA	0.04	0.00
tbIVehicleEF	LDA	2.4980e-003	0.69
tbIVehicleEF	LDA	5.6400e-004	2.17
tbIVehicleEF	LDA	0.03	56.49
tbIVehicleEF	LDA	0.10	1.8400e-003
tbIVehicleEF	LDA	0.00	3.8000e-004
tbIVehicleEF	LDA	0.03	7.7830e-003
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	0.04	8.0020e-003
tbIVehicleEF	LDA	0.07	0.00

tbIVehicleEF	LDT1	0.01	7.7890e-003
tbIVehicleEF	LDT1	0.01	0.07
tbIVehicleEF	LDT1	1.36	1.46
tbIVehicleEF	LDT1	2.49	2.28
tbIVehicleEF	LDT1	319.38	318.65
tbIVehicleEF	LDT1	67.76	63.32
tbIVehicleEF	LDT1	0.13	0.12
tbIVehicleEF	LDT1	0.15	0.26
tbIVehicleEF	LDT1	2.9980e-003	2.7210e-003
tbIVehicleEF	LDT1	3.2550e-003	2.6380e-003
tbIVehicleEF	LDT1	2.7600e-003	2.5050e-003
tbIVehicleEF	LDT1	2.9930e-003	2.4250e-003
tbIVehicleEF	LDT1	0.12	0.13
tbIVehicleEF	LDT1	0.25	0.20
tbIVehicleEF	LDT1	0.10	0.11
tbIVehicleEF	LDT1	0.03	0.03
tbIVehicleEF	LDT1	0.16	0.70
tbIVehicleEF	LDT1	0.17	0.36
tbIVehicleEF	LDT1	3.2100e-003	3.1530e-003
tbIVehicleEF	LDT1	7.2100e-004	6.2700e-004
tbIVehicleEF	LDT1	0.12	0.13
tbIVehicleEF	LDT1	0.25	0.20
tbIVehicleEF	LDT1	0.10	0.11
tbIVehicleEF	LDT1	0.04	0.05
tbIVehicleEF	LDT1	0.16	0.70
tbIVehicleEF	LDT1	0.19	0.39
tbIVehicleEF	LDT1	0.00	0.07
tbIVehicleEF	LDT1	0.01	0.00
tbIVehicleEF	LDT1	0.01	0.21

tbIVehicleEF	LDT1	0.00	13.55
tbIVehicleEF	LDT1	1.49	0.00
tbIVehicleEF	LDT1	2.12	8.2760e-003
tbIVehicleEF	LDT1	0.00	5.8840e-003
tbIVehicleEF	LDT1	334.82	0.00
tbIVehicleEF	LDT1	67.76	0.04
tbIVehicleEF	LDT1	0.00	0.01
tbIVehicleEF	LDT1	0.11	0.00
tbIVehicleEF	LDT1	0.13	8.0850e-003
tbIVehicleEF	LDT1	0.00	0.15
tbIVehicleEF	LDT1	0.04	0.00
tbIVehicleEF	LDT1	8.0000e-003	0.05
tbIVehicleEF	LDT1	2.9980e-003	0.65
tbIVehicleEF	LDT1	3.2550e-003	0.93
tbIVehicleEF	LDT1	0.00	0.05
tbIVehicleEF	LDT1	0.02	0.93
tbIVehicleEF	LDT1	2.0000e-003	0.71
tbIVehicleEF	LDT1	2.7600e-003	0.35
tbIVehicleEF	LDT1	2.9930e-003	0.65
tbIVehicleEF	LDT1	0.20	0.00
tbIVehicleEF	LDT1	0.27	2.3930e-003
tbIVehicleEF	LDT1	0.15	3.5000e-005
tbIVehicleEF	LDT1	0.03	0.11
tbIVehicleEF	LDT1	0.15	0.00
tbIVehicleEF	LDT1	3.3670e-003	1.59
tbIVehicleEF	LDT1	7.1400e-004	1.93
tbIVehicleEF	LDT1	0.20	71.69
tbIVehicleEF	LDT1	0.27	2.6340e-003
tbIVehicleEF	LDT1	0.00	5.9400e-004

tbIVehicleEF	LDT1	0.15	7.9510e-003
tbIVehicleEF	LDT1	0.05	0.02
tbIVehicleEF	LDT1	0.15	8.0020e-003
tbIVehicleEF	LDT1	0.16	0.00
tbIVehicleEF	LDT1	0.00	0.08
tbIVehicleEF	LDT1	0.01	0.00
tbIVehicleEF	LDT1	0.01	0.23
tbIVehicleEF	LDT1	0.00	13.73
tbIVehicleEF	LDT1	1.32	0.00
tbIVehicleEF	LDT1	2.56	7.6540e-003
tbIVehicleEF	LDT1	0.00	6.2690e-003
tbIVehicleEF	LDT1	314.49	0.00
tbIVehicleEF	LDT1	67.76	0.03
tbIVehicleEF	LDT1	0.00	0.02
tbIVehicleEF	LDT1	0.12	0.00
tbIVehicleEF	LDT1	0.15	8.6860e-003
tbIVehicleEF	LDT1	0.00	0.10
tbIVehicleEF	LDT1	0.04	0.00
tbIVehicleEF	LDT1	8.0000e-003	0.05
tbIVehicleEF	LDT1	2.9980e-003	0.83
tbIVehicleEF	LDT1	3.2550e-003	0.60
tbIVehicleEF	LDT1	0.00	0.05
tbIVehicleEF	LDT1	0.02	0.59
tbIVehicleEF	LDT1	2.0000e-003	0.48
tbIVehicleEF	LDT1	2.7600e-003	0.40
tbIVehicleEF	LDT1	2.9930e-003	0.83
tbIVehicleEF	LDT1	0.12	0.00
tbIVehicleEF	LDT1	0.28	2.3930e-003
tbIVehicleEF	LDT1	0.10	3.5000e-005

tbIVehicleEF	LDT1	0.03	0.12
tbIVehicleEF	LDT1	0.19	0.00
tbIVehicleEF	LDT1	3.1610e-003	1.41
tbIVehicleEF	LDT1	7.2200e-004	2.35
tbIVehicleEF	LDT1	0.12	68.01
tbIVehicleEF	LDT1	0.28	2.6340e-003
tbIVehicleEF	LDT1	0.00	5.9400e-004
tbIVehicleEF	LDT1	0.10	7.9510e-003
tbIVehicleEF	LDT1	0.04	0.02
tbIVehicleEF	LDT1	0.19	8.0020e-003
tbIVehicleEF	LDT1	0.19	0.00
tbIVehicleEF	LDT2	5.9720e-003	4.9910e-003
tbIVehicleEF	LDT2	5.6870e-003	0.07
tbIVehicleEF	LDT2	0.75	1.03
tbIVehicleEF	LDT2	1.24	2.65
tbIVehicleEF	LDT2	356.41	341.38
tbIVehicleEF	LDT2	75.77	68.34
tbIVehicleEF	LDT2	0.07	0.09
tbIVehicleEF	LDT2	0.09	0.28
tbIVehicleEF	LDT2	1.9990e-003	1.9090e-003
tbIVehicleEF	LDT2	2.3560e-003	1.8910e-003
tbIVehicleEF	LDT2	1.8380e-003	1.7570e-003
tbIVehicleEF	LDT2	2.1660e-003	1.7390e-003
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.10	0.12
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.01	0.02
tbIVehicleEF	LDT2	0.06	0.41
tbIVehicleEF	LDT2	0.08	0.31

tbIVehicleEF	LDT2	3.5700e-003	3.3770e-003
tbIVehicleEF	LDT2	7.7800e-004	6.7600e-004
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.10	0.12
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.02	0.03
tbIVehicleEF	LDT2	0.06	0.41
tbIVehicleEF	LDT2	0.08	0.34
tbIVehicleEF	LDT2	0.00	0.06
tbIVehicleEF	LDT2	6.3770e-003	0.00
tbIVehicleEF	LDT2	5.0410e-003	0.13
tbIVehicleEF	LDT2	0.00	14.40
tbIVehicleEF	LDT2	0.83	0.00
tbIVehicleEF	LDT2	1.06	5.3180e-003
tbIVehicleEF	LDT2	0.00	6.4670e-003
tbIVehicleEF	LDT2	374.21	0.00
tbIVehicleEF	LDT2	75.77	0.02
tbIVehicleEF	LDT2	0.00	0.01
tbIVehicleEF	LDT2	0.06	0.00
tbIVehicleEF	LDT2	0.09	6.6250e-003
tbIVehicleEF	LDT2	0.00	0.10
tbIVehicleEF	LDT2	0.04	0.00
tbIVehicleEF	LDT2	8.0000e-003	0.03
tbIVehicleEF	LDT2	1.9990e-003	0.38
tbIVehicleEF	LDT2	2.3560e-003	0.54
tbIVehicleEF	LDT2	0.00	0.03
tbIVehicleEF	LDT2	0.02	0.54
tbIVehicleEF	LDT2	2.0000e-003	0.49
tbIVehicleEF	LDT2	1.8380e-003	0.31

tbIVehicleEF	LDT2	2.1660e-003	0.38
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	0.10	1.6180e-003
tbIVehicleEF	LDT2	0.06	1.7000e-005
tbIVehicleEF	LDT2	0.02	0.08
tbIVehicleEF	LDT2	0.05	0.00
tbIVehicleEF	LDT2	3.7490e-003	1.12
tbIVehicleEF	LDT2	7.7500e-004	2.26
tbIVehicleEF	LDT2	0.07	75.14
tbIVehicleEF	LDT2	0.10	1.8890e-003
tbIVehicleEF	LDT2	0.00	4.0400e-004
tbIVehicleEF	LDT2	0.06	7.8210e-003
tbIVehicleEF	LDT2	0.02	0.02
tbIVehicleEF	LDT2	0.05	8.0020e-003
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	0.00	0.07
tbIVehicleEF	LDT2	5.8560e-003	0.00
tbIVehicleEF	LDT2	5.8000e-003	0.13
tbIVehicleEF	LDT2	0.00	14.59
tbIVehicleEF	LDT2	0.72	0.00
tbIVehicleEF	LDT2	1.27	4.8870e-003
tbIVehicleEF	LDT2	0.00	6.8940e-003
tbIVehicleEF	LDT2	350.82	0.00
tbIVehicleEF	LDT2	75.77	0.02
tbIVehicleEF	LDT2	0.00	0.01
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	0.09	7.0820e-003
tbIVehicleEF	LDT2	0.00	0.07
tbIVehicleEF	LDT2	0.04	0.00

tbIVehicleEF	LDT2	8.0000e-003	0.03
tbIVehicleEF	LDT2	1.9990e-003	0.48
tbIVehicleEF	LDT2	2.3560e-003	0.33
tbIVehicleEF	LDT2	0.00	0.03
tbIVehicleEF	LDT2	0.02	0.33
tbIVehicleEF	LDT2	2.0000e-003	0.33
tbIVehicleEF	LDT2	1.8380e-003	0.35
tbIVehicleEF	LDT2	2.1660e-003	0.48
tbIVehicleEF	LDT2	0.04	0.00
tbIVehicleEF	LDT2	0.10	1.6180e-003
tbIVehicleEF	LDT2	0.04	1.7000e-005
tbIVehicleEF	LDT2	0.01	0.08
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	3.5130e-003	0.99
tbIVehicleEF	LDT2	7.7900e-004	2.74
tbIVehicleEF	LDT2	0.04	71.61
tbIVehicleEF	LDT2	0.10	1.8890e-003
tbIVehicleEF	LDT2	0.00	4.0400e-004
tbIVehicleEF	LDT2	0.04	7.8210e-003
tbIVehicleEF	LDT2	0.02	0.02
tbIVehicleEF	LDT2	0.07	8.0020e-003
tbIVehicleEF	LDT2	0.09	0.00
tbIVehicleEF	LHD1	5.2120e-003	5.5830e-003
tbIVehicleEF	LHD1	9.8600e-003	5.7240e-003
tbIVehicleEF	LHD1	0.02	0.02
tbIVehicleEF	LHD1	0.15	0.19
tbIVehicleEF	LHD1	0.74	0.65
tbIVehicleEF	LHD1	2.42	1.14
tbIVehicleEF	LHD1	9.02	8.89

tbIVehicleEF	LHD1	594.63	666.21
tbIVehicleEF	LHD1	31.53	12.43
tbIVehicleEF	LHD1	0.07	0.05
tbIVehicleEF	LHD1	1.08	0.65
tbIVehicleEF	LHD1	0.94	0.33
tbIVehicleEF	LHD1	8.6300e-004	7.5700e-004
tbIVehicleEF	LHD1	0.01	9.6790e-003
tbIVehicleEF	LHD1	9.7700e-003	6.4420e-003
tbIVehicleEF	LHD1	8.9700e-004	2.8500e-004
tbIVehicleEF	LHD1	8.2600e-004	7.2400e-004
tbIVehicleEF	LHD1	2.5390e-003	2.4200e-003
tbIVehicleEF	LHD1	9.3240e-003	6.1330e-003
tbIVehicleEF	LHD1	8.2500e-004	2.6200e-004
tbIVehicleEF	LHD1	2.9620e-003	2.5670e-003
tbIVehicleEF	LHD1	0.10	0.08
tbIVehicleEF	LHD1	0.02	0.02
tbIVehicleEF	LHD1	1.7810e-003	1.5640e-003
tbIVehicleEF	LHD1	0.06	0.05
tbIVehicleEF	LHD1	0.30	0.56
tbIVehicleEF	LHD1	0.24	0.08
tbIVehicleEF	LHD1	9.0000e-005	8.6000e-005
tbIVehicleEF	LHD1	5.8320e-003	6.5060e-003
tbIVehicleEF	LHD1	3.6100e-004	1.2300e-004
tbIVehicleEF	LHD1	2.9620e-003	2.5670e-003
tbIVehicleEF	LHD1	0.10	0.08
tbIVehicleEF	LHD1	0.02	0.03
tbIVehicleEF	LHD1	1.7810e-003	1.5640e-003
tbIVehicleEF	LHD1	0.08	0.06
tbIVehicleEF	LHD1	0.30	0.56

tbIVehicleEF	LHD1	0.26	0.09
tbIVehicleEF	LHD1	5.2120e-003	5.1340e-003
tbIVehicleEF	LHD1	0.01	0.30
tbIVehicleEF	LHD1	0.02	0.08
tbIVehicleEF	LHD1	0.15	0.83
tbIVehicleEF	LHD1	0.75	124.98
tbIVehicleEF	LHD1	2.31	6.2080e-003
tbIVehicleEF	LHD1	9.02	1.7780e-003
tbIVehicleEF	LHD1	594.63	0.01
tbIVehicleEF	LHD1	31.53	0.05
tbIVehicleEF	LHD1	0.07	1.0420e-003
tbIVehicleEF	LHD1	1.01	0.07
tbIVehicleEF	LHD1	0.91	0.03
tbIVehicleEF	LHD1	8.6300e-004	2.2100e-003
tbIVehicleEF	LHD1	0.08	0.42
tbIVehicleEF	LHD1	0.01	0.06
tbIVehicleEF	LHD1	9.7700e-003	0.48
tbIVehicleEF	LHD1	8.9700e-004	0.06
tbIVehicleEF	LHD1	8.2600e-004	5.6060e-003
tbIVehicleEF	LHD1	0.03	0.05
tbIVehicleEF	LHD1	2.5390e-003	0.03
tbIVehicleEF	LHD1	9.3240e-003	0.07
tbIVehicleEF	LHD1	8.2500e-004	0.54
tbIVehicleEF	LHD1	4.5380e-003	1.7000e-004
tbIVehicleEF	LHD1	0.10	5.2380e-003
tbIVehicleEF	LHD1	0.02	0.05
tbIVehicleEF	LHD1	2.6400e-003	1.8000e-005
tbIVehicleEF	LHD1	0.06	0.61
tbIVehicleEF	LHD1	0.29	9.1050e-003

tbIVehicleEF	LHD1	0.23	0.32
tbIVehicleEF	LHD1	9.0000e-005	0.19
tbIVehicleEF	LHD1	5.8320e-003	0.67
tbIVehicleEF	LHD1	3.5900e-004	1.09
tbIVehicleEF	LHD1	4.5380e-003	48.48
tbIVehicleEF	LHD1	0.10	2.8500e-004
tbIVehicleEF	LHD1	0.02	4.2700e-004
tbIVehicleEF	LHD1	2.6400e-003	5.4550e-003
tbIVehicleEF	LHD1	0.08	0.03
tbIVehicleEF	LHD1	0.29	9.3700e-003
tbIVehicleEF	LHD1	0.25	9.5160e-003
tbIVehicleEF	LHD1	5.2120e-003	5.3710e-003
tbIVehicleEF	LHD1	9.8170e-003	0.30
tbIVehicleEF	LHD1	0.02	0.09
tbIVehicleEF	LHD1	0.15	0.84
tbIVehicleEF	LHD1	0.73	124.98
tbIVehicleEF	LHD1	2.43	6.0400e-003
tbIVehicleEF	LHD1	9.02	1.8370e-003
tbIVehicleEF	LHD1	594.63	0.01
tbIVehicleEF	LHD1	31.53	0.05
tbIVehicleEF	LHD1	0.07	1.0870e-003
tbIVehicleEF	LHD1	1.06	0.07
tbIVehicleEF	LHD1	0.95	0.03
tbIVehicleEF	LHD1	8.6300e-004	1.5420e-003
tbIVehicleEF	LHD1	0.08	0.42
tbIVehicleEF	LHD1	0.01	0.06
tbIVehicleEF	LHD1	9.7700e-003	0.53
tbIVehicleEF	LHD1	8.9700e-004	0.04
tbIVehicleEF	LHD1	8.2600e-004	6.2420e-003

tbIVehicleEF	LHD1	0.03	0.04
tbIVehicleEF	LHD1	2.5390e-003	0.02
tbIVehicleEF	LHD1	9.3240e-003	0.08
tbIVehicleEF	LHD1	8.2500e-004	0.60
tbIVehicleEF	LHD1	3.0750e-003	1.7000e-004
tbIVehicleEF	LHD1	0.11	5.2380e-003
tbIVehicleEF	LHD1	0.02	0.05
tbIVehicleEF	LHD1	1.7770e-003	1.8000e-005
tbIVehicleEF	LHD1	0.06	0.64
tbIVehicleEF	LHD1	0.32	9.1050e-003
tbIVehicleEF	LHD1	0.24	0.34
tbIVehicleEF	LHD1	9.0000e-005	0.19
tbIVehicleEF	LHD1	5.8320e-003	0.65
tbIVehicleEF	LHD1	3.6100e-004	1.14
tbIVehicleEF	LHD1	3.0750e-003	48.48
tbIVehicleEF	LHD1	0.11	2.8500e-004
tbIVehicleEF	LHD1	0.02	4.2700e-004
tbIVehicleEF	LHD1	1.7770e-003	5.4550e-003
tbIVehicleEF	LHD1	0.08	0.03
tbIVehicleEF	LHD1	0.32	9.3700e-003
tbIVehicleEF	LHD1	0.26	9.5160e-003
tbIVehicleEF	LHD2	3.6840e-003	3.9120e-003
tbIVehicleEF	LHD2	3.6840e-003	3.9650e-003
tbIVehicleEF	LHD2	7.3420e-003	0.01
tbIVehicleEF	LHD2	0.13	0.15
tbIVehicleEF	LHD2	0.32	0.44
tbIVehicleEF	LHD2	1.21	0.76
tbIVehicleEF	LHD2	13.71	13.45
tbIVehicleEF	LHD2	608.08	667.35

tbIVehicleEF	LHD2	26.39	9.56
tbIVehicleEF	LHD2	0.09	0.09
tbIVehicleEF	LHD2	0.67	0.84
tbIVehicleEF	LHD2	0.50	0.23
tbIVehicleEF	LHD2	1.1670e-003	1.2520e-003
tbIVehicleEF	LHD2	0.01	0.01
tbIVehicleEF	LHD2	8.9870e-003	0.01
tbIVehicleEF	LHD2	4.2200e-004	1.6200e-004
tbIVehicleEF	LHD2	1.1160e-003	1.1980e-003
tbIVehicleEF	LHD2	2.6680e-003	2.6330e-003
tbIVehicleEF	LHD2	8.5850e-003	9.5770e-003
tbIVehicleEF	LHD2	3.8800e-004	1.4900e-004
tbIVehicleEF	LHD2	1.0410e-003	1.5680e-003
tbIVehicleEF	LHD2	0.03	0.05
tbIVehicleEF	LHD2	0.01	0.02
tbIVehicleEF	LHD2	6.8300e-004	9.7100e-004
tbIVehicleEF	LHD2	0.04	0.05
tbIVehicleEF	LHD2	0.07	0.35
tbIVehicleEF	LHD2	0.10	0.05
tbIVehicleEF	LHD2	1.3400e-004	1.2900e-004
tbIVehicleEF	LHD2	5.9210e-003	6.4600e-003
tbIVehicleEF	LHD2	2.8600e-004	9.5000e-005
tbIVehicleEF	LHD2	1.0410e-003	1.5680e-003
tbIVehicleEF	LHD2	0.03	0.05
tbIVehicleEF	LHD2	0.02	0.02
tbIVehicleEF	LHD2	6.8300e-004	9.7100e-004
tbIVehicleEF	LHD2	0.05	0.06
tbIVehicleEF	LHD2	0.07	0.35
tbIVehicleEF	LHD2	0.11	0.06

tbIVehicleEF	LHD2	3.6840e-003	3.5540e-003
tbIVehicleEF	LHD2	3.7270e-003	0.23
tbIVehicleEF	LHD2	7.0950e-003	0.06
tbIVehicleEF	LHD2	0.13	0.64
tbIVehicleEF	LHD2	0.32	184.31
tbIVehicleEF	LHD2	1.16	4.2190e-003
tbIVehicleEF	LHD2	13.71	1.2050e-003
tbIVehicleEF	LHD2	608.08	0.02
tbIVehicleEF	LHD2	26.39	0.05
tbIVehicleEF	LHD2	0.09	7.2200e-004
tbIVehicleEF	LHD2	0.64	0.05
tbIVehicleEF	LHD2	0.48	0.05
tbIVehicleEF	LHD2	1.1670e-003	1.3640e-003
tbIVehicleEF	LHD2	0.09	0.31
tbIVehicleEF	LHD2	0.01	0.06
tbIVehicleEF	LHD2	8.9870e-003	0.28
tbIVehicleEF	LHD2	4.2200e-004	0.03
tbIVehicleEF	LHD2	1.1160e-003	3.7590e-003
tbIVehicleEF	LHD2	0.04	0.03
tbIVehicleEF	LHD2	2.6680e-003	0.02
tbIVehicleEF	LHD2	8.5850e-003	0.05
tbIVehicleEF	LHD2	3.8800e-004	0.34
tbIVehicleEF	LHD2	1.5870e-003	1.9200e-004
tbIVehicleEF	LHD2	0.04	8.5420e-003
tbIVehicleEF	LHD2	0.01	0.09
tbIVehicleEF	LHD2	9.9900e-004	1.0000e-005
tbIVehicleEF	LHD2	0.04	0.79
tbIVehicleEF	LHD2	0.07	0.02
tbIVehicleEF	LHD2	0.10	0.22

tbIVehicleEF	LHD2	1.3400e-004	0.15
tbIVehicleEF	LHD2	5.9210e-003	0.44
tbIVehicleEF	LHD2	2.8500e-004	0.73
tbIVehicleEF	LHD2	1.5870e-003	50.51
tbIVehicleEF	LHD2	0.04	1.6200e-004
tbIVehicleEF	LHD2	0.02	7.0500e-004
tbIVehicleEF	LHD2	9.9900e-004	6.5990e-003
tbIVehicleEF	LHD2	0.05	0.04
tbIVehicleEF	LHD2	0.07	0.01
tbIVehicleEF	LHD2	0.10	0.02
tbIVehicleEF	LHD2	3.6840e-003	3.7180e-003
tbIVehicleEF	LHD2	3.6740e-003	0.23
tbIVehicleEF	LHD2	7.3760e-003	0.06
tbIVehicleEF	LHD2	0.13	0.64
tbIVehicleEF	LHD2	0.32	184.31
tbIVehicleEF	LHD2	1.22	4.1490e-003
tbIVehicleEF	LHD2	13.71	1.2430e-003
tbIVehicleEF	LHD2	608.08	0.02
tbIVehicleEF	LHD2	26.39	0.05
tbIVehicleEF	LHD2	0.09	7.5300e-004
tbIVehicleEF	LHD2	0.66	0.05
tbIVehicleEF	LHD2	0.50	0.05
tbIVehicleEF	LHD2	1.1670e-003	9.4300e-004
tbIVehicleEF	LHD2	0.09	0.31
tbIVehicleEF	LHD2	0.01	0.06
tbIVehicleEF	LHD2	8.9870e-003	0.32
tbIVehicleEF	LHD2	4.2200e-004	0.02
tbIVehicleEF	LHD2	1.1160e-003	4.0970e-003
tbIVehicleEF	LHD2	0.04	0.02

tbIVehicleEF	LHD2	2.6680e-003	0.01
tbIVehicleEF	LHD2	8.5850e-003	0.05
tbIVehicleEF	LHD2	3.8800e-004	0.38
tbIVehicleEF	LHD2	1.0460e-003	1.9200e-004
tbIVehicleEF	LHD2	0.04	8.5420e-003
tbIVehicleEF	LHD2	0.01	0.09
tbIVehicleEF	LHD2	6.7100e-004	1.0000e-005
tbIVehicleEF	LHD2	0.04	0.82
tbIVehicleEF	LHD2	0.08	0.02
tbIVehicleEF	LHD2	0.10	0.23
tbIVehicleEF	LHD2	1.3400e-004	0.15
tbIVehicleEF	LHD2	5.9210e-003	0.44
tbIVehicleEF	LHD2	2.8600e-004	0.77
tbIVehicleEF	LHD2	1.0460e-003	50.50
tbIVehicleEF	LHD2	0.04	1.6200e-004
tbIVehicleEF	LHD2	0.02	7.0500e-004
tbIVehicleEF	LHD2	6.7100e-004	6.5990e-003
tbIVehicleEF	LHD2	0.05	0.04
tbIVehicleEF	LHD2	0.08	0.01
tbIVehicleEF	LHD2	0.11	0.02
tbIVehicleEF	MCY	0.51	0.38
tbIVehicleEF	MCY	0.15	0.24
tbIVehicleEF	MCY	18.57	19.19
tbIVehicleEF	MCY	9.67	8.53
tbIVehicleEF	MCY	183.90	223.45
tbIVehicleEF	MCY	44.44	59.65
tbIVehicleEF	MCY	1.13	1.13
tbIVehicleEF	MCY	0.31	0.26
tbIVehicleEF	MCY	2.3320e-003	2.4320e-003

tblVehicleEF	MCY	3.6000e-003	3.2970e-003
tblVehicleEF	MCY	2.1780e-003	2.2730e-003
tblVehicleEF	MCY	3.3840e-003	3.1040e-003
tblVehicleEF	MCY	1.14	1.09
tblVehicleEF	MCY	0.66	0.66
tblVehicleEF	MCY	0.67	0.67
tblVehicleEF	MCY	2.47	2.61
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.04	1.82
tblVehicleEF	MCY	2.2170e-003	2.2110e-003
tblVehicleEF	MCY	6.6200e-004	5.9000e-004
tblVehicleEF	MCY	1.14	1.09
tblVehicleEF	MCY	0.66	0.66
tblVehicleEF	MCY	0.67	0.67
tblVehicleEF	MCY	3.08	3.24
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.22	1.98
tblVehicleEF	MCY	0.00	0.81
tblVehicleEF	MCY	0.50	0.00
tblVehicleEF	MCY	0.13	0.73
tblVehicleEF	MCY	0.00	28.87
tblVehicleEF	MCY	18.00	0.00
tblVehicleEF	MCY	8.85	0.37
tblVehicleEF	MCY	0.00	7.4230e-003
tblVehicleEF	MCY	183.90	0.00
tblVehicleEF	MCY	44.44	2.55
tblVehicleEF	MCY	0.00	0.10
tblVehicleEF	MCY	0.98	0.00
tblVehicleEF	MCY	0.29	0.06

tbIVehicleEF	MCY	0.00	1.10
tbIVehicleEF	MCY	0.01	0.00
tbIVehicleEF	MCY	4.0000e-003	3.17
tbIVehicleEF	MCY	2.3320e-003	1.87
tbIVehicleEF	MCY	3.6000e-003	3.53
tbIVehicleEF	MCY	0.00	0.37
tbIVehicleEF	MCY	5.0400e-003	3.53
tbIVehicleEF	MCY	1.0000e-003	2.20
tbIVehicleEF	MCY	2.1780e-003	1.75
tbIVehicleEF	MCY	3.3840e-003	1.87
tbIVehicleEF	MCY	1.88	5.0000e-004
tbIVehicleEF	MCY	0.75	2.2730e-003
tbIVehicleEF	MCY	1.17	1.5520e-003
tbIVehicleEF	MCY	2.42	0.99
tbIVehicleEF	MCY	0.57	0.00
tbIVehicleEF	MCY	1.82	0.25
tbIVehicleEF	MCY	2.2060e-003	18.47
tbIVehicleEF	MCY	6.4200e-004	7.76
tbIVehicleEF	MCY	1.88	111.05
tbIVehicleEF	MCY	0.75	3.2970e-003
tbIVehicleEF	MCY	0.00	1.2160e-003
tbIVehicleEF	MCY	1.17	5.8800e-003
tbIVehicleEF	MCY	3.01	5.0400e-003
tbIVehicleEF	MCY	0.57	4.0000e-003
tbIVehicleEF	MCY	1.98	0.00
tbIVehicleEF	MCY	0.00	0.93
tbIVehicleEF	MCY	0.52	0.00
tbIVehicleEF	MCY	0.15	0.85
tbIVehicleEF	MCY	0.00	30.00

tblVehicleEF	MCY	18.58	0.00
tblVehicleEF	MCY	9.75	0.38
tblVehicleEF	MCY	0.00	7.6700e-003
tblVehicleEF	MCY	183.90	0.00
tblVehicleEF	MCY	44.44	2.62
tblVehicleEF	MCY	0.00	0.12
tblVehicleEF	MCY	1.10	0.00
tblVehicleEF	MCY	0.31	0.06
tblVehicleEF	MCY	0.00	0.64
tblVehicleEF	MCY	0.01	0.00
tblVehicleEF	MCY	4.0000e-003	3.26
tblVehicleEF	MCY	2.3320e-003	2.29
tblVehicleEF	MCY	3.6000e-003	2.37
tblVehicleEF	MCY	0.00	0.43
tblVehicleEF	MCY	5.0400e-003	2.37
tblVehicleEF	MCY	1.0000e-003	1.27
tblVehicleEF	MCY	2.1780e-003	2.02
tblVehicleEF	MCY	3.3840e-003	2.29
tblVehicleEF	MCY	1.25	5.0000e-004
tblVehicleEF	MCY	0.85	2.2730e-003
tblVehicleEF	MCY	0.66	1.5520e-003
tblVehicleEF	MCY	2.48	1.11
tblVehicleEF	MCY	0.69	0.00
tblVehicleEF	MCY	2.07	0.27
tblVehicleEF	MCY	2.2180e-003	19.29
tblVehicleEF	MCY	6.6500e-004	8.66
tblVehicleEF	MCY	1.25	111.83
tblVehicleEF	MCY	0.85	3.2970e-003
tblVehicleEF	MCY	0.00	1.2160e-003

tblVehicleEF	MCY	0.66	5.8800e-003
tblVehicleEF	MCY	3.09	5.0400e-003
tblVehicleEF	MCY	0.69	4.0000e-003
tblVehicleEF	MCY	2.25	0.00
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.17	1.22
tblVehicleEF	MDV	2.29	3.11
tblVehicleEF	MDV	483.40	419.24
tblVehicleEF	MDV	101.24	83.18
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	0.20	0.35
tblVehicleEF	MDV	2.1080e-003	2.0860e-003
tblVehicleEF	MDV	2.4110e-003	2.0610e-003
tblVehicleEF	MDV	1.9430e-003	1.9230e-003
tblVehicleEF	MDV	2.2170e-003	1.8960e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.17	0.40
tblVehicleEF	MDV	4.8410e-003	4.1450e-003
tblVehicleEF	MDV	1.0520e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.09	0.43

tblVehicleEF	MDV	0.19	0.44
tblVehicleEF	MDV	0.00	0.08
tblVehicleEF	MDV	0.01	0.00
tblVehicleEF	MDV	0.01	0.15
tblVehicleEF	MDV	0.00	17.75
tblVehicleEF	MDV	1.29	0.00
tblVehicleEF	MDV	1.96	7.0040e-003
tblVehicleEF	MDV	0.00	7.1080e-003
tblVehicleEF	MDV	507.25	0.00
tblVehicleEF	MDV	101.24	0.03
tblVehicleEF	MDV	0.00	0.02
tblVehicleEF	MDV	0.11	0.00
tblVehicleEF	MDV	0.19	9.1800e-003
tblVehicleEF	MDV	0.00	0.13
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.0000e-003	0.04
tblVehicleEF	MDV	2.1080e-003	0.40
tblVehicleEF	MDV	2.4110e-003	0.62
tblVehicleEF	MDV	0.00	0.03
tblVehicleEF	MDV	0.02	0.61
tblVehicleEF	MDV	2.0000e-003	0.58
tblVehicleEF	MDV	1.9430e-003	0.39
tblVehicleEF	MDV	2.2170e-003	0.40
tblVehicleEF	MDV	0.11	0.00
tblVehicleEF	MDV	0.16	1.7780e-003
tblVehicleEF	MDV	0.10	2.1000e-005
tblVehicleEF	MDV	0.03	0.10
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	5.0810e-003	1.33

tbIVehicleEF	MDV	1.0460e-003	2.64
tbIVehicleEF	MDV	0.11	93.07
tbIVehicleEF	MDV	0.16	2.0580e-003
tbIVehicleEF	MDV	0.00	4.4600e-004
tbIVehicleEF	MDV	0.10	7.9160e-003
tbIVehicleEF	MDV	0.04	0.02
tbIVehicleEF	MDV	0.09	8.0020e-003
tbIVehicleEF	MDV	0.17	0.00
tbIVehicleEF	MDV	0.00	0.09
tbIVehicleEF	MDV	0.01	0.00
tbIVehicleEF	MDV	0.01	0.15
tbIVehicleEF	MDV	0.00	17.99
tbIVehicleEF	MDV	1.13	0.00
tbIVehicleEF	MDV	2.35	6.4530e-003
tbIVehicleEF	MDV	0.00	7.5770e-003
tbIVehicleEF	MDV	476.03	0.00
tbIVehicleEF	MDV	101.24	0.03
tbIVehicleEF	MDV	0.00	0.02
tbIVehicleEF	MDV	0.12	0.00
tbIVehicleEF	MDV	0.21	9.7530e-003
tbIVehicleEF	MDV	0.00	0.09
tbIVehicleEF	MDV	0.04	0.00
tbIVehicleEF	MDV	8.0000e-003	0.04
tbIVehicleEF	MDV	2.1080e-003	0.50
tbIVehicleEF	MDV	2.4110e-003	0.37
tbIVehicleEF	MDV	0.00	0.03
tbIVehicleEF	MDV	0.02	0.37
tbIVehicleEF	MDV	2.0000e-003	0.40
tbIVehicleEF	MDV	1.9430e-003	0.45

tbIVehicleEF	MDV	2.2170e-003	0.50
tbIVehicleEF	MDV	0.07	0.00
tbIVehicleEF	MDV	0.17	1.7780e-003
tbIVehicleEF	MDV	0.07	2.1000e-005
tbIVehicleEF	MDV	0.03	0.11
tbIVehicleEF	MDV	0.11	0.00
tbIVehicleEF	MDV	4.7660e-003	1.18
tbIVehicleEF	MDV	1.0530e-003	3.21
tbIVehicleEF	MDV	0.07	89.28
tbIVehicleEF	MDV	0.17	2.0580e-003
tbIVehicleEF	MDV	0.00	4.4600e-004
tbIVehicleEF	MDV	0.07	7.9160e-003
tbIVehicleEF	MDV	0.04	0.02
tbIVehicleEF	MDV	0.11	8.0020e-003
tbIVehicleEF	MDV	0.19	0.00
tbIVehicleEF	MH	0.02	0.01
tbIVehicleEF	MH	0.02	0.02
tbIVehicleEF	MH	1.75	1.21
tbIVehicleEF	MH	5.15	2.15
tbIVehicleEF	MH	1,102.46	1,501.21
tbIVehicleEF	MH	58.88	19.42
tbIVehicleEF	MH	1.12	1.11
tbIVehicleEF	MH	0.75	0.25
tbIVehicleEF	MH	0.01	0.01
tbIVehicleEF	MH	0.02	0.02
tbIVehicleEF	MH	1.0110e-003	2.8400e-004
tbIVehicleEF	MH	3.2180e-003	3.2450e-003
tbIVehicleEF	MH	0.02	0.02
tbIVehicleEF	MH	9.3000e-004	2.6100e-004

tbIVehicleEF	MH	0.93	0.84
tbIVehicleEF	MH	0.06	0.06
tbIVehicleEF	MH	0.38	0.35
tbIVehicleEF	MH	0.07	0.06
tbIVehicleEF	MH	0.02	1.46
tbIVehicleEF	MH	0.30	0.10
tbIVehicleEF	MH	0.01	0.01
tbIVehicleEF	MH	6.7800e-004	1.9200e-004
tbIVehicleEF	MH	0.93	0.84
tbIVehicleEF	MH	0.06	0.06
tbIVehicleEF	MH	0.38	0.35
tbIVehicleEF	MH	0.10	0.08
tbIVehicleEF	MH	0.02	1.46
tbIVehicleEF	MH	0.33	0.11
tbIVehicleEF	MH	0.00	0.92
tbIVehicleEF	MH	0.02	0.00
tbIVehicleEF	MH	0.02	0.06
tbIVehicleEF	MH	0.00	192.01
tbIVehicleEF	MH	1.80	0.00
tbIVehicleEF	MH	4.84	0.01
tbIVehicleEF	MH	0.00	0.27
tbIVehicleEF	MH	1,102.46	0.00
tbIVehicleEF	MH	58.88	0.06
tbIVehicleEF	MH	0.00	0.22
tbIVehicleEF	MH	1.04	0.00
tbIVehicleEF	MH	0.72	0.05
tbIVehicleEF	MH	0.00	0.50
tbIVehicleEF	MH	0.13	0.00
tbIVehicleEF	MH	0.01	0.08

tbIVehicleEF	MH	0.02	1.42
tbIVehicleEF	MH	1.0110e-003	0.12
tbIVehicleEF	MH	0.00	0.60
tbIVehicleEF	MH	0.06	0.12
tbIVehicleEF	MH	3.2180e-003	0.05
tbIVehicleEF	MH	0.02	0.10
tbIVehicleEF	MH	9.3000e-004	1.43
tbIVehicleEF	MH	1.40	0.03
tbIVehicleEF	MH	0.06	0.02
tbIVehicleEF	MH	0.58	2.6060e-003
tbIVehicleEF	MH	0.07	1.03
tbIVehicleEF	MH	0.02	0.00
tbIVehicleEF	MH	0.28	0.24
tbIVehicleEF	MH	0.01	1.24
tbIVehicleEF	MH	6.7300e-004	2.03
tbIVehicleEF	MH	1.40	15,054.74
tbIVehicleEF	MH	0.06	2.8400e-004
tbIVehicleEF	MH	0.00	0.19
tbIVehicleEF	MH	0.58	1.30
tbIVehicleEF	MH	0.10	0.06
tbIVehicleEF	MH	0.02	0.01
tbIVehicleEF	MH	0.31	0.00
tbIVehicleEF	MH	0.00	0.97
tbIVehicleEF	MH	0.02	0.00
tbIVehicleEF	MH	0.02	0.07
tbIVehicleEF	MH	0.00	194.46
tbIVehicleEF	MH	1.74	0.00
tbIVehicleEF	MH	5.19	0.01
tbIVehicleEF	MH	0.00	0.28

tbIVehicleEF	MH	1,102.46	0.00
tbIVehicleEF	MH	58.88	0.06
tbIVehicleEF	MH	0.00	0.24
tbIVehicleEF	MH	1.10	0.00
tbIVehicleEF	MH	0.75	0.05
tbIVehicleEF	MH	0.00	0.36
tbIVehicleEF	MH	0.13	0.00
tbIVehicleEF	MH	0.01	0.08
tbIVehicleEF	MH	0.02	1.53
tbIVehicleEF	MH	1.0110e-003	0.09
tbIVehicleEF	MH	0.00	0.71
tbIVehicleEF	MH	0.06	0.09
tbIVehicleEF	MH	3.2180e-003	0.04
tbIVehicleEF	MH	0.02	0.11
tbIVehicleEF	MH	9.3000e-004	1.54
tbIVehicleEF	MH	1.03	0.03
tbIVehicleEF	MH	0.08	0.02
tbIVehicleEF	MH	0.40	2.6060e-003
tbIVehicleEF	MH	0.07	1.09
tbIVehicleEF	MH	0.02	0.00
tbIVehicleEF	MH	0.30	0.25
tbIVehicleEF	MH	0.01	1.20
tbIVehicleEF	MH	6.7900e-004	2.18
tbIVehicleEF	MH	1.03	15,054.02
tbIVehicleEF	MH	0.08	2.8400e-004
tbIVehicleEF	MH	0.00	0.19
tbIVehicleEF	MH	0.40	1.30
tbIVehicleEF	MH	0.10	0.06
tbIVehicleEF	MH	0.02	0.01

tbIVehicleEF	MH	0.33	0.00
tbIVehicleEF	MHD	0.02	4.3860e-003
tbIVehicleEF	MHD	3.3120e-003	4.5970e-003
tbIVehicleEF	MHD	0.05	0.01
tbIVehicleEF	MHD	0.34	0.39
tbIVehicleEF	MHD	0.28	0.47
tbIVehicleEF	MHD	5.26	1.42
tbIVehicleEF	MHD	138.52	67.37
tbIVehicleEF	MHD	1,128.29	1,069.65
tbIVehicleEF	MHD	59.14	12.05
tbIVehicleEF	MHD	0.37	0.48
tbIVehicleEF	MHD	0.70	1.63
tbIVehicleEF	MHD	10.62	1.29
tbIVehicleEF	MHD	1.0200e-004	1.0770e-003
tbIVehicleEF	MHD	2.8190e-003	0.03
tbIVehicleEF	MHD	7.6400e-004	1.3700e-004
tbIVehicleEF	MHD	9.8000e-005	1.0300e-003
tbIVehicleEF	MHD	2.6930e-003	0.03
tbIVehicleEF	MHD	7.0300e-004	1.2600e-004
tbIVehicleEF	MHD	1.0280e-003	6.6200e-004
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.02	0.02
tbIVehicleEF	MHD	6.7100e-004	4.2600e-004
tbIVehicleEF	MHD	0.03	0.06
tbIVehicleEF	MHD	0.02	0.14
tbIVehicleEF	MHD	0.32	0.07
tbIVehicleEF	MHD	1.3330e-003	6.4000e-004
tbIVehicleEF	MHD	0.01	0.01
tbIVehicleEF	MHD	6.8400e-004	1.1900e-004

tbIVehicleEF	MHD	1.0280e-003	6.6200e-004
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.03	0.03
tbIVehicleEF	MHD	6.7100e-004	4.2600e-004
tbIVehicleEF	MHD	0.04	0.07
tbIVehicleEF	MHD	0.02	0.14
tbIVehicleEF	MHD	0.35	0.07
tbIVehicleEF	MHD	0.01	3.1600e-003
tbIVehicleEF	MHD	3.3570e-003	0.23
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.25	0.60
tbIVehicleEF	MHD	0.28	801.62
tbIVehicleEF	MHD	5.00	6.3020e-003
tbIVehicleEF	MHD	146.72	4.4400e-004
tbIVehicleEF	MHD	1,128.29	0.11
tbIVehicleEF	MHD	59.14	0.06
tbIVehicleEF	MHD	0.38	5.9500e-004
tbIVehicleEF	MHD	0.66	0.04
tbIVehicleEF	MHD	10.59	0.11
tbIVehicleEF	MHD	8.6000e-005	6.0400e-004
tbIVehicleEF	MHD	0.13	0.31
tbIVehicleEF	MHD	0.01	0.07
tbIVehicleEF	MHD	2.8190e-003	0.07
tbIVehicleEF	MHD	7.6400e-004	0.02
tbIVehicleEF	MHD	8.3000e-005	1.3950e-003
tbIVehicleEF	MHD	0.06	0.01
tbIVehicleEF	MHD	3.0000e-003	6.2570e-003
tbIVehicleEF	MHD	2.6930e-003	0.04
tbIVehicleEF	MHD	7.0300e-004	0.14

tbIVehicleEF	MHD	1.5610e-003	2.5700e-004
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.02	0.48
tbIVehicleEF	MHD	9.8200e-004	6.0000e-006
tbIVehicleEF	MHD	0.03	1.54
tbIVehicleEF	MHD	0.02	8.5670e-003
tbIVehicleEF	MHD	0.31	1.29
tbIVehicleEF	MHD	1.4110e-003	0.32
tbIVehicleEF	MHD	0.01	0.48
tbIVehicleEF	MHD	6.7900e-004	1.35
tbIVehicleEF	MHD	1.5610e-003	92.89
tbIVehicleEF	MHD	0.04	1.3700e-004
tbIVehicleEF	MHD	0.03	2.6640e-003
tbIVehicleEF	MHD	9.8200e-004	0.01
tbIVehicleEF	MHD	0.04	0.06
tbIVehicleEF	MHD	0.02	0.01
tbIVehicleEF	MHD	0.34	8.9540e-003
tbIVehicleEF	MHD	0.02	3.3190e-003
tbIVehicleEF	MHD	3.3000e-003	0.25
tbIVehicleEF	MHD	0.05	0.03
tbIVehicleEF	MHD	0.47	0.60
tbIVehicleEF	MHD	0.28	779.65
tbIVehicleEF	MHD	5.30	6.1700e-003
tbIVehicleEF	MHD	127.19	4.5700e-004
tbIVehicleEF	MHD	1,128.29	0.11
tbIVehicleEF	MHD	59.14	0.06
tbIVehicleEF	MHD	0.35	6.2100e-004
tbIVehicleEF	MHD	0.69	0.05
tbIVehicleEF	MHD	10.63	0.11

tbIVehicleEF	MHD	1.2500e-004	4.1600e-004
tbIVehicleEF	MHD	0.13	0.34
tbIVehicleEF	MHD	0.01	0.07
tbIVehicleEF	MHD	2.8190e-003	0.08
tbIVehicleEF	MHD	7.6400e-004	0.01
tbIVehicleEF	MHD	1.1900e-004	1.4610e-003
tbIVehicleEF	MHD	0.06	7.1060e-003
tbIVehicleEF	MHD	3.0000e-003	4.3140e-003
tbIVehicleEF	MHD	2.6930e-003	0.04
tbIVehicleEF	MHD	7.0300e-004	0.16
tbIVehicleEF	MHD	1.0490e-003	2.5700e-004
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.03	0.48
tbIVehicleEF	MHD	6.6300e-004	6.0000e-006
tbIVehicleEF	MHD	0.03	1.60
tbIVehicleEF	MHD	0.02	0.01
tbIVehicleEF	MHD	0.33	1.29
tbIVehicleEF	MHD	1.2270e-003	0.49
tbIVehicleEF	MHD	0.01	0.47
tbIVehicleEF	MHD	6.8400e-004	1.44
tbIVehicleEF	MHD	1.0490e-003	92.89
tbIVehicleEF	MHD	0.04	1.3700e-004
tbIVehicleEF	MHD	0.04	2.6640e-003
tbIVehicleEF	MHD	6.6300e-004	0.01
tbIVehicleEF	MHD	0.04	0.06
tbIVehicleEF	MHD	0.02	0.01
tbIVehicleEF	MHD	0.36	0.01
tbIVehicleEF	OBUS	0.01	8.4810e-003
tbIVehicleEF	OBUS	6.0680e-003	7.0170e-003

tbIVehicleEF	OBUS	0.03	0.02
tbIVehicleEF	OBUS	0.25	0.60
tbIVehicleEF	OBUS	0.45	0.79
tbIVehicleEF	OBUS	5.23	2.39
tbIVehicleEF	OBUS	92.13	94.60
tbIVehicleEF	OBUS	1,229.05	1,392.48
tbIVehicleEF	OBUS	68.41	19.23
tbIVehicleEF	OBUS	0.19	0.46
tbIVehicleEF	OBUS	0.64	1.57
tbIVehicleEF	OBUS	2.34	0.76
tbIVehicleEF	OBUS	1.8000e-005	7.9300e-004
tbIVehicleEF	OBUS	2.5270e-003	0.02
tbIVehicleEF	OBUS	8.5100e-004	1.9700e-004
tbIVehicleEF	OBUS	1.7000e-005	7.5900e-004
tbIVehicleEF	OBUS	2.4010e-003	0.02
tbIVehicleEF	OBUS	7.8200e-004	1.8100e-004
tbIVehicleEF	OBUS	1.4810e-003	1.8440e-003
tbIVehicleEF	OBUS	0.02	0.02
tbIVehicleEF	OBUS	0.03	0.06
tbIVehicleEF	OBUS	7.8200e-004	9.4300e-004
tbIVehicleEF	OBUS	0.04	0.06
tbIVehicleEF	OBUS	0.04	0.26
tbIVehicleEF	OBUS	0.33	0.11
tbIVehicleEF	OBUS	8.9100e-004	9.0000e-004
tbIVehicleEF	OBUS	0.01	0.01
tbIVehicleEF	OBUS	7.7600e-004	1.9000e-004
tbIVehicleEF	OBUS	1.4810e-003	1.8440e-003
tbIVehicleEF	OBUS	0.02	0.02
tbIVehicleEF	OBUS	0.05	0.07

tbIVehicleEF	OBUS	7.8200e-004	9.4300e-004
tbIVehicleEF	OBUS	0.05	0.08
tbIVehicleEF	OBUS	0.04	0.26
tbIVehicleEF	OBUS	0.36	0.13
tbIVehicleEF	OBUS	0.01	5.5090e-003
tbIVehicleEF	OBUS	6.1800e-003	0.93
tbIVehicleEF	OBUS	0.03	0.02
tbIVehicleEF	OBUS	0.24	0.95
tbIVehicleEF	OBUS	0.45	1,847.71
tbIVehicleEF	OBUS	4.94	0.01
tbIVehicleEF	OBUS	96.60	8.9700e-004
tbIVehicleEF	OBUS	1,229.05	0.27
tbIVehicleEF	OBUS	68.41	0.06
tbIVehicleEF	OBUS	0.20	1.0490e-003
tbIVehicleEF	OBUS	0.60	0.11
tbIVehicleEF	OBUS	2.30	0.07
tbIVehicleEF	OBUS	1.5000e-005	1.3250e-003
tbIVehicleEF	OBUS	0.13	1.16
tbIVehicleEF	OBUS	0.01	0.08
tbIVehicleEF	OBUS	2.5270e-003	0.15
tbIVehicleEF	OBUS	8.5100e-004	0.05
tbIVehicleEF	OBUS	1.4000e-005	1.1330e-003
tbIVehicleEF	OBUS	0.06	0.03
tbIVehicleEF	OBUS	3.0000e-003	0.02
tbIVehicleEF	OBUS	2.4010e-003	0.07
tbIVehicleEF	OBUS	7.8200e-004	0.26
tbIVehicleEF	OBUS	2.2200e-003	1.9300e-004
tbIVehicleEF	OBUS	0.02	8.2800e-003
tbIVehicleEF	OBUS	0.03	0.45

tbIVehicleEF	OBUS	1.1540e-003	9.0000e-006
tbIVehicleEF	OBUS	0.04	1.47
tbIVehicleEF	OBUS	0.04	6.3020e-003
tbIVehicleEF	OBUS	0.31	0.75
tbIVehicleEF	OBUS	9.3400e-004	0.58
tbIVehicleEF	OBUS	0.01	0.80
tbIVehicleEF	OBUS	7.7100e-004	2.26
tbIVehicleEF	OBUS	2.2200e-003	94.66
tbIVehicleEF	OBUS	0.02	1.9700e-004
tbIVehicleEF	OBUS	0.05	8.5200e-004
tbIVehicleEF	OBUS	1.1540e-003	8.3860e-003
tbIVehicleEF	OBUS	0.05	0.06
tbIVehicleEF	OBUS	0.04	0.01
tbIVehicleEF	OBUS	0.34	6.5870e-003
tbIVehicleEF	OBUS	0.01	5.7950e-003
tbIVehicleEF	OBUS	6.0410e-003	0.89
tbIVehicleEF	OBUS	0.03	0.02
tbIVehicleEF	OBUS	0.25	0.96
tbIVehicleEF	OBUS	0.45	1,854.49
tbIVehicleEF	OBUS	5.28	0.01
tbIVehicleEF	OBUS	85.94	9.2400e-004
tbIVehicleEF	OBUS	1,229.05	0.27
tbIVehicleEF	OBUS	68.41	0.06
tbIVehicleEF	OBUS	0.18	1.1010e-003
tbIVehicleEF	OBUS	0.63	0.11
tbIVehicleEF	OBUS	2.34	0.07
tbIVehicleEF	OBUS	2.1000e-005	9.2500e-004
tbIVehicleEF	OBUS	0.13	1.11
tbIVehicleEF	OBUS	0.01	0.08

tbIVehicleEF	OBUS	2.5270e-003	0.16
tbIVehicleEF	OBUS	8.5100e-004	0.04
tbIVehicleEF	OBUS	2.0000e-005	1.1750e-003
tbIVehicleEF	OBUS	0.06	0.02
tbIVehicleEF	OBUS	3.0000e-003	0.01
tbIVehicleEF	OBUS	2.4010e-003	0.07
tbIVehicleEF	OBUS	7.8200e-004	0.28
tbIVehicleEF	OBUS	1.5070e-003	1.9300e-004
tbIVehicleEF	OBUS	0.02	8.2800e-003
tbIVehicleEF	OBUS	0.03	0.47
tbIVehicleEF	OBUS	7.7100e-004	9.0000e-006
tbIVehicleEF	OBUS	0.04	1.54
tbIVehicleEF	OBUS	0.04	8.9540e-003
tbIVehicleEF	OBUS	0.33	0.76
tbIVehicleEF	OBUS	8.3200e-004	0.62
tbIVehicleEF	OBUS	0.01	0.79
tbIVehicleEF	OBUS	7.7700e-004	2.42
tbIVehicleEF	OBUS	1.5070e-003	94.65
tbIVehicleEF	OBUS	0.02	1.9700e-004
tbIVehicleEF	OBUS	0.05	8.5200e-004
tbIVehicleEF	OBUS	7.7100e-004	8.3860e-003
tbIVehicleEF	OBUS	0.05	0.06
tbIVehicleEF	OBUS	0.04	0.01
tbIVehicleEF	OBUS	0.36	9.3590e-003
tbIVehicleEF	SBUS	0.83	0.07
tbIVehicleEF	SBUS	0.01	7.0580e-003
tbIVehicleEF	SBUS	0.06	6.2120e-003
tbIVehicleEF	SBUS	8.05	2.77
tbIVehicleEF	SBUS	0.70	0.59

tbIVehicleEF	SBUS	7.21	0.85
tbIVehicleEF	SBUS	1,117.62	351.72
tbIVehicleEF	SBUS	1,084.59	1,109.67
tbIVehicleEF	SBUS	55.10	5.24
tbIVehicleEF	SBUS	8.67	3.22
tbIVehicleEF	SBUS	3.92	4.87
tbIVehicleEF	SBUS	12.12	0.88
tbIVehicleEF	SBUS	8.2760e-003	4.1230e-003
tbIVehicleEF	SBUS	0.01	0.01
tbIVehicleEF	SBUS	0.02	0.03
tbIVehicleEF	SBUS	7.8500e-004	5.1000e-005
tbIVehicleEF	SBUS	7.9180e-003	3.9440e-003
tbIVehicleEF	SBUS	2.6790e-003	2.6820e-003
tbIVehicleEF	SBUS	0.02	0.03
tbIVehicleEF	SBUS	7.2200e-004	4.7000e-005
tbIVehicleEF	SBUS	3.5810e-003	9.0700e-004
tbIVehicleEF	SBUS	0.03	7.8550e-003
tbIVehicleEF	SBUS	0.96	0.32
tbIVehicleEF	SBUS	1.9090e-003	4.8200e-004
tbIVehicleEF	SBUS	0.10	0.10
tbIVehicleEF	SBUS	0.01	0.05
tbIVehicleEF	SBUS	0.38	0.04
tbIVehicleEF	SBUS	0.01	3.3550e-003
tbIVehicleEF	SBUS	0.01	0.01
tbIVehicleEF	SBUS	6.7600e-004	5.2000e-005
tbIVehicleEF	SBUS	3.5810e-003	9.0700e-004
tbIVehicleEF	SBUS	0.03	7.8550e-003
tbIVehicleEF	SBUS	1.38	0.46
tbIVehicleEF	SBUS	1.9090e-003	4.8200e-004

tbIVehicleEF	SBUS	0.12	0.11
tbIVehicleEF	SBUS	0.01	0.05
tbIVehicleEF	SBUS	0.42	0.04
tbIVehicleEF	SBUS	0.83	7.9680e-003
tbIVehicleEF	SBUS	0.01	3.57
tbIVehicleEF	SBUS	0.06	7.9970e-003
tbIVehicleEF	SBUS	7.94	1.24
tbIVehicleEF	SBUS	0.71	3,371.97
tbIVehicleEF	SBUS	5.75	5.9880e-003
tbIVehicleEF	SBUS	1,167.88	1.4740e-003
tbIVehicleEF	SBUS	1,084.59	0.43
tbIVehicleEF	SBUS	55.10	0.11
tbIVehicleEF	SBUS	8.95	1.3830e-003
tbIVehicleEF	SBUS	3.70	0.78
tbIVehicleEF	SBUS	12.09	0.17
tbIVehicleEF	SBUS	6.9770e-003	6.7400e-004
tbIVehicleEF	SBUS	0.74	5.14
tbIVehicleEF	SBUS	0.01	0.11
tbIVehicleEF	SBUS	0.02	0.13
tbIVehicleEF	SBUS	7.8500e-004	5.2810e-003
tbIVehicleEF	SBUS	6.6750e-003	1.9990e-003
tbIVehicleEF	SBUS	0.32	0.02
tbIVehicleEF	SBUS	2.6790e-003	7.7120e-003
tbIVehicleEF	SBUS	0.02	0.10
tbIVehicleEF	SBUS	7.2200e-004	0.05
tbIVehicleEF	SBUS	5.4810e-003	2.8700e-004
tbIVehicleEF	SBUS	0.03	0.04
tbIVehicleEF	SBUS	0.95	3.29
tbIVehicleEF	SBUS	2.8990e-003	1.2000e-005

tbIVehicleEF	SBUS	0.10	4.59
tbIVehicleEF	SBUS	0.01	0.04
tbIVehicleEF	SBUS	0.34	0.87
tbIVehicleEF	SBUS	0.01	2.74
tbIVehicleEF	SBUS	0.01	0.60
tbIVehicleEF	SBUS	6.5100e-004	0.69
tbIVehicleEF	SBUS	5.4810e-003	118.27
tbIVehicleEF	SBUS	0.03	5.1000e-005
tbIVehicleEF	SBUS	1.38	3.2450e-003
tbIVehicleEF	SBUS	2.8990e-003	0.08
tbIVehicleEF	SBUS	0.12	0.32
tbIVehicleEF	SBUS	0.01	0.01
tbIVehicleEF	SBUS	0.37	0.04
tbIVehicleEF	SBUS	0.83	9.1700e-003
tbIVehicleEF	SBUS	0.01	3.57
tbIVehicleEF	SBUS	0.06	8.2560e-003
tbIVehicleEF	SBUS	8.20	1.32
tbIVehicleEF	SBUS	0.70	3,202.19
tbIVehicleEF	SBUS	7.43	5.9530e-003
tbIVehicleEF	SBUS	1,048.22	1.5370e-003
tbIVehicleEF	SBUS	1,084.59	0.40
tbIVehicleEF	SBUS	55.10	0.11
tbIVehicleEF	SBUS	8.29	1.5910e-003
tbIVehicleEF	SBUS	3.86	0.77
tbIVehicleEF	SBUS	12.12	0.17
tbIVehicleEF	SBUS	0.01	4.6300e-004
tbIVehicleEF	SBUS	0.74	5.15
tbIVehicleEF	SBUS	0.01	0.11
tbIVehicleEF	SBUS	0.02	0.18

tbIVehicleEF	SBUS	7.8500e-004	3.6810e-003
tbIVehicleEF	SBUS	9.6340e-003	2.0640e-003
tbIVehicleEF	SBUS	0.32	0.01
tbIVehicleEF	SBUS	2.6790e-003	5.2960e-003
tbIVehicleEF	SBUS	0.02	0.11
tbIVehicleEF	SBUS	7.2200e-004	0.06
tbIVehicleEF	SBUS	3.5300e-003	2.8700e-004
tbIVehicleEF	SBUS	0.03	0.04
tbIVehicleEF	SBUS	0.96	3.13
tbIVehicleEF	SBUS	1.8720e-003	1.2000e-005
tbIVehicleEF	SBUS	0.10	4.79
tbIVehicleEF	SBUS	0.02	0.06
tbIVehicleEF	SBUS	0.39	0.88
tbIVehicleEF	SBUS	0.01	2.83
tbIVehicleEF	SBUS	0.01	0.58
tbIVehicleEF	SBUS	6.7900e-004	0.88
tbIVehicleEF	SBUS	3.5300e-003	118.27
tbIVehicleEF	SBUS	0.03	5.1000e-005
tbIVehicleEF	SBUS	1.39	3.2450e-003
tbIVehicleEF	SBUS	1.8720e-003	0.08
tbIVehicleEF	SBUS	0.12	0.32
tbIVehicleEF	SBUS	0.02	0.01
tbIVehicleEF	SBUS	0.43	0.06
tbIVehicleEF	UBUS	2.23	5.80
tbIVehicleEF	UBUS	0.06	0.01
tbIVehicleEF	UBUS	10.02	45.07
tbIVehicleEF	UBUS	10.14	0.71
tbIVehicleEF	UBUS	1,910.27	1,988.80
tbIVehicleEF	UBUS	112.81	8.53

tbIVehicleEF	UBUS	7.96	0.48
tbIVehicleEF	UBUS	14.44	0.08
tbIVehicleEF	UBUS	0.58	0.07
tbIVehicleEF	UBUS	0.01	0.03
tbIVehicleEF	UBUS	0.10	3.2120e-003
tbIVehicleEF	UBUS	1.2160e-003	4.6000e-005
tbIVehicleEF	UBUS	0.25	0.03
tbIVehicleEF	UBUS	3.0000e-003	7.9830e-003
tbIVehicleEF	UBUS	0.10	3.0700e-003
tbIVehicleEF	UBUS	1.1180e-003	4.2000e-005
tbIVehicleEF	UBUS	4.9050e-003	6.1100e-004
tbIVehicleEF	UBUS	0.08	8.4590e-003
tbIVehicleEF	UBUS	2.8380e-003	4.9000e-004
tbIVehicleEF	UBUS	0.70	0.08
tbIVehicleEF	UBUS	0.03	0.05
tbIVehicleEF	UBUS	0.79	0.05
tbIVehicleEF	UBUS	9.5820e-003	1.5580e-003
tbIVehicleEF	UBUS	1.3110e-003	8.4000e-005
tbIVehicleEF	UBUS	4.9050e-003	6.1100e-004
tbIVehicleEF	UBUS	0.08	8.4590e-003
tbIVehicleEF	UBUS	2.8380e-003	4.9000e-004
tbIVehicleEF	UBUS	3.01	5.92
tbIVehicleEF	UBUS	0.03	0.05
tbIVehicleEF	UBUS	0.86	0.05
tbIVehicleEF	UBUS	0.00	0.01
tbIVehicleEF	UBUS	2.23	0.00
tbIVehicleEF	UBUS	0.05	8.7350e-003
tbIVehicleEF	UBUS	0.00	2.10
tbIVehicleEF	UBUS	10.08	0.00

tbIVehicleEF	UBUS	8.80	0.67
tbIVehicleEF	UBUS	0.00	1.7650e-003
tbIVehicleEF	UBUS	1,910.27	0.00
tbIVehicleEF	UBUS	112.81	2.0170e-003
tbIVehicleEF	UBUS	0.00	2.5820e-003
tbIVehicleEF	UBUS	7.50	0.00
tbIVehicleEF	UBUS	14.38	4.3400e-003
tbIVehicleEF	UBUS	0.00	6.8000e-004
tbIVehicleEF	UBUS	0.58	0.00
tbIVehicleEF	UBUS	0.01	5.92
tbIVehicleEF	UBUS	0.10	0.03
tbIVehicleEF	UBUS	1.2160e-003	3.5700e-003
tbIVehicleEF	UBUS	0.00	2.1840e-003
tbIVehicleEF	UBUS	0.25	2.5140e-003
tbIVehicleEF	UBUS	3.0000e-003	1.9150e-003
tbIVehicleEF	UBUS	0.10	0.03
tbIVehicleEF	UBUS	1.1180e-003	0.05
tbIVehicleEF	UBUS	7.1810e-003	9.1000e-005
tbIVehicleEF	UBUS	0.08	1.5700e-004
tbIVehicleEF	UBUS	4.1630e-003	1.0000e-005
tbIVehicleEF	UBUS	0.71	0.48
tbIVehicleEF	UBUS	0.02	0.00
tbIVehicleEF	UBUS	0.72	0.08
tbIVehicleEF	UBUS	9.5830e-003	45.07
tbIVehicleEF	UBUS	1.2880e-003	0.62
tbIVehicleEF	UBUS	7.1810e-003	53.30
tbIVehicleEF	UBUS	0.08	4.6000e-005
tbIVehicleEF	UBUS	0.00	4.2000e-005
tbIVehicleEF	UBUS	4.1630e-003	3.2690e-003

tbIVehicleEF	UBUS	3.02	0.03
tbIVehicleEF	UBUS	0.02	1.4510e-003
tbIVehicleEF	UBUS	0.79	0.00
tbIVehicleEF	UBUS	0.00	0.01
tbIVehicleEF	UBUS	2.23	0.00
tbIVehicleEF	UBUS	0.06	9.0200e-003
tbIVehicleEF	UBUS	0.00	2.14
tbIVehicleEF	UBUS	10.01	0.00
tbIVehicleEF	UBUS	10.32	0.67
tbIVehicleEF	UBUS	0.00	1.8120e-003
tbIVehicleEF	UBUS	1,910.27	0.00
tbIVehicleEF	UBUS	112.81	1.9670e-003
tbIVehicleEF	UBUS	0.00	2.8220e-003
tbIVehicleEF	UBUS	7.81	0.00
tbIVehicleEF	UBUS	14.45	4.5080e-003
tbIVehicleEF	UBUS	0.00	4.6500e-004
tbIVehicleEF	UBUS	0.58	0.00
tbIVehicleEF	UBUS	0.01	5.92
tbIVehicleEF	UBUS	0.10	0.05
tbIVehicleEF	UBUS	1.2160e-003	2.3810e-003
tbIVehicleEF	UBUS	0.00	2.2550e-003
tbIVehicleEF	UBUS	0.25	1.6770e-003
tbIVehicleEF	UBUS	3.0000e-003	1.3100e-003
tbIVehicleEF	UBUS	0.10	0.04
tbIVehicleEF	UBUS	1.1180e-003	0.07
tbIVehicleEF	UBUS	5.4680e-003	9.1000e-005
tbIVehicleEF	UBUS	0.09	1.5700e-004
tbIVehicleEF	UBUS	2.9720e-003	1.0000e-005
tbIVehicleEF	UBUS	0.70	0.48

tbIVehicleEF	UBUS	0.03	0.00
tbIVehicleEF	UBUS	0.80	0.08
tbIVehicleEF	UBUS	9.5820e-003	45.07
tbIVehicleEF	UBUS	1.3140e-003	0.72
tbIVehicleEF	UBUS	5.4680e-003	53.30
tbIVehicleEF	UBUS	0.09	4.6000e-005
tbIVehicleEF	UBUS	0.00	4.2000e-005
tbIVehicleEF	UBUS	2.9720e-003	3.2690e-003
tbIVehicleEF	UBUS	3.01	0.03
tbIVehicleEF	UBUS	0.03	1.4510e-003
tbIVehicleEF	UBUS	0.88	0.00
tbIVehicleTrips	SU_TR	16.74	19.50
tbIVehicleTrips	WD_TR	1.89	34.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.9302	48.0434	34.0093	0.0880	6.5307	2.0341	8.1359	3.4393	1.8715	4.9166	0.0000	8,582.8628	8,582.8628	2.4974	0.0000	8,645.2987
2022	4.2387	38.9337	31.9439	0.0878	0.6294	1.6167	2.2461	0.1695	1.4875	1.6570	0.0000	8,563.8460	8,563.8460	2.4962	0.0000	8,626.2514
Maximum	4.9302	48.0434	34.0093	0.0880	6.5307	2.0341	8.1359	3.4393	1.8715	4.9166	0.0000	8,582.8628	8,582.8628	2.4974	0.0000	8,645.2987

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.9302	48.0434	34.0093	0.0880	2.8249	2.0341	4.4301	1.4166	1.8715	2.8939	0.0000	8,582.8628	8,582.8628	2.4974	0.0000	8,645.2987
2022	4.2387	38.9337	31.9439	0.0878	0.6294	1.6167	2.2461	0.1695	1.4875	1.6570	0.0000	8,563.8460	8,563.8460	2.4962	0.0000	8,626.2514
Maximum	4.9302	48.0434	34.0093	0.0880	2.8249	2.0341	4.4301	1.4166	1.8715	2.8939	0.0000	8,582.8628	8,582.8628	2.4974	0.0000	8,645.2987

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	51.76	0.00	35.69	56.05	0.00	30.77	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.3477	0.0189	469.8572	2.0320	0.7642	0.5372	1.3014	1.3797	0.4410	1.8207		0.0800	0.0800	0.2340		5.9288
Total	0.3533	0.0189	469.8574	2.0320	0.7642	0.5372	1.3014	1.3797	0.4410	1.8207		0.0805	0.0805	0.2340	0.0000	5.9293

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	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.3477	0.0189	469.8572	2.0320	0.7642	0.5372	1.3014	1.3797	0.4410	1.8207		0.0800	0.0800	0.2340		5.9288
Total	0.3533	0.0189	469.8574	2.0320	0.7642	0.5372	1.3014	1.3797	0.4410	1.8207		0.0805	0.0805	0.2340	0.0000	5.9293

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Clearing and Grubbing	Site Preparation	7/1/2021	7/28/2021	5	20	
2	Grading	Grading	7/29/2021	10/20/2021	5	60	
3	Paving and Construction	Building Construction	10/21/2021	2/9/2022	5	80	
4	Landscaping	Building Construction	2/10/2022	6/15/2022	5	90	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Clearing and Grubbing	Excavators	1	8.00	158	0.38
Clearing and Grubbing	Graders	0	8.00	187	0.41
Clearing and Grubbing	Off-Highway Trucks	2	8.00	402	0.38
Clearing and Grubbing	Rubber Tired Dozers	1	8.00	247	0.40
Clearing and Grubbing	Scrapers	0	8.00	367	0.48
Clearing and Grubbing	Sweepers/Scrubbers	1	8.00	64	0.46
Clearing and Grubbing	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Off-Highway Trucks	2	8.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving and Construction	Cranes	0	8.00	231	0.29
Paving and Construction	Excavators	1	8.00	158	0.38
Paving and Construction	Forklifts	0	7.00	89	0.20
Paving and Construction	Generator Sets	0	8.00	84	0.74
Paving and Construction	Off-Highway Trucks	3	8.00	402	0.38
Paving and Construction	Pavers	1	8.00	130	0.42
Paving and Construction	Rollers	1	8.00	80	0.38
Paving and Construction	Rubber Tired Dozers	1	8.00	247	0.40
Paving and Construction	Scrapers	1	8.00	367	0.48
Paving and Construction	Sweepers/Scrubbers	1	8.00	64	0.46
Paving and Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Paving and Construction	Welders	0	8.00	46	0.45
Landscaping	Air Compressors	0	6.00	78	0.48

Landscaping	Cranes	0	8.00	231	0.29
Landscaping	Forklifts	0	7.00	89	0.20
Landscaping	Generator Sets	0	8.00	84	0.74
Landscaping	Skid Steer Loaders	1	8.00	65	0.37
Landscaping	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Landscaping	Welders	0	8.00	46	0.45

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
Clearing and Grubbing	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	989.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving and Construction	9	46.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping	2	46.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Clearing and Grubbing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2607	0.0000	6.2607	3.3360	0.0000	3.3360			0.0000			0.0000
Off-Road	2.8798	27.3674	18.4470	0.0454		1.2721	1.2721		1.1704	1.1704		4,394.054	4,394.054	1.4211		4,429.582
Total	2.8798	27.3674	18.4470	0.0454	6.2607	1.2721	7.5328	3.3360	1.1704	4.5063		4,394.054	4,394.054	1.4211		4,429.582
												1	1			3

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	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466
Total	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4417	0.0000	2.4417	1.3010	0.0000	1.3010			0.0000			0.0000
Off-Road	2.8798	27.3674	18.4470	0.0454		1.2721	1.2721		1.1704	1.1704	0.0000	4,394.0541	4,394.0541	1.4211		4,429.5823
Total	2.8798	27.3674	18.4470	0.0454	2.4417	1.2721	3.7138	1.3010	1.1704	2.4714	0.0000	4,394.0541	4,394.0541	1.4211		4,429.5823

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	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466
Total	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0751	0.0000	6.0751	3.3160	0.0000	3.3160			0.0000			0.0000
Off-Road	3.6454	36.4114	23.4740	0.0578		1.5907	1.5907		1.4634	1.4634		5,598.678 1	5,598.678 1	1.8107		5,643.946 2
Total	3.6454	36.4114	23.4740	0.0578	6.0751	1.5907	7.6658	3.3160	1.4634	4.7794		5,598.678 1	5,598.678 1	1.8107		5,643.946 2

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	0.1253	4.2738	0.9441	0.0126	0.2879	0.0133	0.3012	0.0789	0.0128	0.0916		1,373.496 1	1,373.496 1	0.0968		1,375.916 1

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466
Total	0.1881	4.3148	1.5073	0.0143	0.4556	0.0146	0.4701	0.1234	0.0139	0.1372		1,539.5308	1,539.5308	0.1013		1,542.0627

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3693	0.0000	2.3693	1.2932	0.0000	1.2932			0.0000			0.0000
Off-Road	3.6454	36.4114	23.4740	0.0578		1.5907	1.5907		1.4634	1.4634	0.0000	5,598.6781	5,598.6781	1.8107		5,643.9462
Total	3.6454	36.4114	23.4740	0.0578	2.3693	1.5907	3.9600	1.2932	1.4634	2.7567	0.0000	5,598.6781	5,598.6781	1.8107		5,643.9462

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	0.1253	4.2738	0.9441	0.0126	0.2879	0.0133	0.3012	0.0789	0.0128	0.0916		1,373.4961	1,373.4961	0.0968		1,375.9161
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0628	0.0410	0.5632	1.6700e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		166.0347	166.0347	4.4800e-003		166.1466
Total	0.1881	4.3148	1.5073	0.0143	0.4556	0.0146	0.4701	0.1234	0.0139	0.1372		1,539.5308	1,539.5308	0.1013		1,542.0627

3.4 Paving and 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	4.6870	46.1940	31.8636	0.0783		2.0268	2.0268		1.8647	1.8647		7,586.3508	7,586.3508	2.4536		7,647.6903
Total	4.6870	46.1940	31.8636	0.0783		2.0268	2.0268		1.8647	1.8647		7,586.3508	7,586.3508	2.4536		7,647.6903

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	0.0506	1.7238	0.4186	4.5500e-003	0.1152	3.5200e-003	0.1187	0.0332	3.3700e-003	0.0365		487.3387	487.3387	0.0301		488.0921
Worker	0.1925	0.1256	1.7272	5.1100e-003	0.5142	3.8100e-003	0.5180	0.1364	3.5000e-003	0.1399		509.1732	509.1732	0.0137		509.5163
Total	0.2432	1.8494	2.1457	9.6600e-003	0.6294	7.3300e-003	0.6367	0.1695	6.8700e-003	0.1764		996.5120	996.5120	0.0439		997.6084

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	4.6870	46.1940	31.8636	0.0783		2.0268	2.0268		1.8647	1.8647	0.0000	7,586.3508	7,586.3508	2.4536		7,647.6903
Total	4.6870	46.1940	31.8636	0.0783		2.0268	2.0268		1.8647	1.8647	0.0000	7,586.3508	7,586.3508	2.4536		7,647.6903

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	0.0506	1.7238	0.4186	4.5500e-003	0.1152	3.5200e-003	0.1187	0.0332	3.3700e-003	0.0365		487.3387	487.3387	0.0301		488.0921
Worker	0.1925	0.1256	1.7272	5.1100e-003	0.5142	3.8100e-003	0.5180	0.1364	3.5000e-003	0.1399		509.1732	509.1732	0.0137		509.5163
Total	0.2432	1.8494	2.1457	9.6600e-003	0.6294	7.3300e-003	0.6367	0.1695	6.8700e-003	0.1764		996.5120	996.5120	0.0439		997.6084

3.4 Paving and 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	4.0106	37.1829	29.9504	0.0784		1.6100	1.6100		1.4812	1.4812		7,589.8386	7,589.8386	2.4547		7,651.2063

Total	4.0106	37.1829	29.9504	0.0784		1.6100	1.6100		1.4812	1.4812		7,589.838	7,589.838	2.4547		7,651.206
												6	6			3

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	0.0475	1.6373	0.3963	4.5100e-003	0.1152	3.0600e-003	0.1182	0.0332	2.9300e-003	0.0361		483.0664	483.0664	0.0291		483.7939
Worker	0.1806	0.1134	1.5972	4.9300e-003	0.5142	3.7000e-003	0.5179	0.1364	3.4000e-003	0.1398		490.9411	490.9411	0.0124		491.2512
Total	0.2281	1.7508	1.9935	9.4400e-003	0.6294	6.7600e-003	0.6361	0.1695	6.3300e-003	0.1759		974.0075	974.0075	0.0415		975.0451

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	4.0106	37.1829	29.9504	0.0784		1.6100	1.6100		1.4812	1.4812	0.0000	7,589.838	7,589.838	2.4547		7,651.206
												6	6			3
Total	4.0106	37.1829	29.9504	0.0784		1.6100	1.6100		1.4812	1.4812	0.0000	7,589.838	7,589.838	2.4547		7,651.206
												6	6			3

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	0.0475	1.6373	0.3963	4.5100e-003	0.1152	3.0600e-003	0.1182	0.0332	2.9300e-003	0.0361		483.0664	483.0664	0.0291		483.7939
Worker	0.1806	0.1134	1.5972	4.9300e-003	0.5142	3.7000e-003	0.5179	0.1364	3.4000e-003	0.1398		490.9411	490.9411	0.0124		491.2512
Total	0.2281	1.7508	1.9935	9.4400e-003	0.6294	6.7600e-003	0.6361	0.1695	6.3300e-003	0.1759		974.0075	974.0075	0.0415		975.0451

3.5 Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2343	2.6042	3.6251	5.1800e-003		0.1246	0.1246		0.1147	0.1147		501.6302	501.6302	0.1622		505.6861
Total	0.2343	2.6042	3.6251	5.1800e-003		0.1246	0.1246		0.1147	0.1147		501.6302	501.6302	0.1622		505.6861

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	0.0264	0.9096	0.2202	2.5100e-003	0.0640	1.7000e-003	0.0657	0.0184	1.6300e-003	0.0201		268.3702	268.3702	0.0162		268.7744
Worker	0.1806	0.1134	1.5972	4.9300e-003	0.5142	3.7000e-003	0.5179	0.1364	3.4000e-003	0.1398		490.9411	490.9411	0.0124		491.2512
Total	0.2070	1.0231	1.8174	7.4400e-003	0.5782	5.4000e-003	0.5836	0.1548	5.0300e-003	0.1598		759.3113	759.3113	0.0286		760.0256

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	0.2343	2.6042	3.6251	5.1800e-003		0.1246	0.1246		0.1147	0.1147	0.0000	501.6302	501.6302	0.1622		505.6861
Total	0.2343	2.6042	3.6251	5.1800e-003		0.1246	0.1246		0.1147	0.1147	0.0000	501.6302	501.6302	0.1622		505.6861

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	0.0264	0.9096	0.2202	2.5100e-003	0.0640	1.7000e-003	0.0657	0.0184	1.6300e-003	0.0201		268.3702	268.3702	0.0162		268.7744
Worker	0.1806	0.1134	1.5972	4.9300e-003	0.5142	3.7000e-003	0.5179	0.1364	3.4000e-003	0.1398		490.9411	490.9411	0.0124		491.2512
Total	0.2070	1.0231	1.8174	7.4400e-003	0.5782	5.4000e-003	0.5836	0.1548	5.0300e-003	0.1598		759.3113	759.3113	0.0286		760.0256

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.3477	0.0189	469.8572	2.0320	0.7642	0.5372	1.3014	1.3797	0.4410	1.8207		0.0800	0.0800	0.2340		5.9288
Unmitigated	0.3477	0.0189	469.8572	2.0320	0.7642	0.5372	1.3014	1.3797	0.4410	1.8207		0.0800	0.0800	0.2340		5.9288

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	85.00	56.88	48.75	218,128	218,128
Total	85.00	56.88	48.75	218,128	218,128

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552603	0.061033	0.186728	0.118579	0.023437	0.006039	0.017620	0.024846	0.001416	0.001678	0.004487	0.000623	0.000912

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					

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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000			5.8000e-004

Unmitigated	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Total	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Total	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Crawford Park - South Coast Air Basin, Winter

Crawford Park
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	2.50	Acre	2.50	108,900.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Schedule provided by applicant

Off-road Equipment - Equipment provided by Applicant

Off-road Equipment - Equipment provided by Applicant

Off-road Equipment - Equipment provided by Applicant

Off-road Equipment - Equipment provided by Applicant

Trips and VMT - Import 10,000 CY soil, vendor trips for construction and landscaping

Grading - Import 10,000 CY

Vehicle Trips - Trip Generation Source: Translutions, 2020

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use - Lighting from CalEEMod user guide for open parking lot lighting

Construction Off-road Equipment Mitigation - Water exposed area 3 times daily

Fleet Mix - EMFAC2017

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	220.00	80.00
tblConstructionPhase	NumDays	220.00	90.00
tblConstructionPhase	NumDays	6.00	60.00
tblConstructionPhase	NumDays	3.00	20.00
tblEnergyUse	LightingElect	0.00	0.35
tblFleetMix	HHD	0.03	0.02
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.04	0.06
tblFleetMix	LDT2	0.20	0.19
tblFleetMix	LHD1	0.02	0.02
tblFleetMix	LHD2	5.8470e-003	6.0390e-003
tblFleetMix	MCY	4.8220e-003	4.4870e-003
tblFleetMix	MDV	0.12	0.12
tblFleetMix	MH	8.6900e-004	9.1200e-004
tblFleetMix	MHD	0.02	0.02
tblFleetMix	OBUS	2.1100e-003	1.4160e-003
tblFleetMix	SBUS	7.1000e-004	6.2300e-004
tblFleetMix	UBUS	1.7690e-003	1.6780e-003
tblGrading	AcresOfGrading	60.00	3.00
tblGrading	AcresOfGrading	0.00	4.50

tblGrading	MaterialImported	0.00	10,000.00
tblLandUse	RecSwimmingAreaAllowEdit	0.00	108,900.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	VendorTripNumber	18.00	10.00
tblVehicleEF	HHD	0.52	0.03
tblVehicleEF	HHD	0.09	0.08
tblVehicleEF	HHD	0.07	1.0000e-006
tblVehicleEF	HHD	1.59	6.32
tblVehicleEF	HHD	0.96	0.58
tblVehicleEF	HHD	3.04	9.3040e-003
tblVehicleEF	HHD	4,355.32	1,186.71
tblVehicleEF	HHD	1,551.76	1,477.44
tblVehicleEF	HHD	9.81	0.09
tblVehicleEF	HHD	13.94	6.38
tblVehicleEF	HHD	1.91	3.57
tblVehicleEF	HHD	19.62	2.07

tbIVehicleEF	HHD	9.5610e-003	3.9310e-003
tbIVehicleEF	HHD	0.06	0.06
tbIVehicleEF	HHD	0.04	0.04
tbIVehicleEF	HHD	6.0750e-003	0.03
tbIVehicleEF	HHD	8.4000e-005	2.0000e-006
tbIVehicleEF	HHD	9.1470e-003	3.7610e-003
tbIVehicleEF	HHD	0.03	0.03
tbIVehicleEF	HHD	8.8000e-003	8.8970e-003
tbIVehicleEF	HHD	5.8120e-003	0.03
tbIVehicleEF	HHD	7.7000e-005	1.0000e-006
tbIVehicleEF	HHD	9.9000e-005	7.0000e-006
tbIVehicleEF	HHD	4.1500e-003	2.6800e-004
tbIVehicleEF	HHD	0.40	0.46
tbIVehicleEF	HHD	7.3000e-005	5.0000e-006
tbIVehicleEF	HHD	0.08	0.08
tbIVehicleEF	HHD	3.3800e-004	1.4610e-003
tbIVehicleEF	HHD	0.07	3.0000e-006
tbIVehicleEF	HHD	0.04	0.01
tbIVehicleEF	HHD	0.01	0.01
tbIVehicleEF	HHD	1.4800e-004	1.0000e-006
tbIVehicleEF	HHD	9.9000e-005	7.0000e-006
tbIVehicleEF	HHD	4.1500e-003	2.6800e-004
tbIVehicleEF	HHD	0.48	0.53
tbIVehicleEF	HHD	7.3000e-005	5.0000e-006
tbIVehicleEF	HHD	0.19	0.17
tbIVehicleEF	HHD	3.3800e-004	1.4610e-003
tbIVehicleEF	HHD	0.08	3.0000e-006
tbIVehicleEF	HHD	0.49	0.00
tbIVehicleEF	HHD	0.09	4.84

tbIVehicleEF	HHD	0.07	2.7300e-004
tbIVehicleEF	HHD	1.16	4.3510e-003
tbIVehicleEF	HHD	0.97	11,782.57
tbIVehicleEF	HHD	2.89	0.09
tbIVehicleEF	HHD	4,614.07	2.0000e-006
tbIVehicleEF	HHD	1,551.76	1.85
tbIVehicleEF	HHD	9.81	0.08
tbIVehicleEF	HHD	14.39	0.00
tbIVehicleEF	HHD	1.80	0.24
tbIVehicleEF	HHD	19.61	0.24
tbIVehicleEF	HHD	8.0610e-003	7.0000e-006
tbIVehicleEF	HHD	0.06	5.53
tbIVehicleEF	HHD	0.04	0.17
tbIVehicleEF	HHD	6.0750e-003	6.3500e-004
tbIVehicleEF	HHD	8.4000e-005	2.1900e-004
tbIVehicleEF	HHD	7.7120e-003	1.4000e-005
tbIVehicleEF	HHD	0.03	9.6000e-005
tbIVehicleEF	HHD	8.8000e-003	6.6000e-005
tbIVehicleEF	HHD	5.8120e-003	1.0000e-006
tbIVehicleEF	HHD	7.7000e-005	1.4410e-003
tbIVehicleEF	HHD	1.5500e-004	9.1000e-004
tbIVehicleEF	HHD	4.3060e-003	0.03
tbIVehicleEF	HHD	0.38	6.19
tbIVehicleEF	HHD	1.1000e-004	0.00
tbIVehicleEF	HHD	0.08	3.38
tbIVehicleEF	HHD	3.3000e-004	0.03
tbIVehicleEF	HHD	0.07	2.07
tbIVehicleEF	HHD	0.04	6.18
tbIVehicleEF	HHD	0.01	0.58

tbIVehicleEF	HHD	1.4500e-004	8.8350e-003
tbIVehicleEF	HHD	1.5500e-004	156.80
tbIVehicleEF	HHD	4.3060e-003	2.0000e-006
tbIVehicleEF	HHD	0.45	2.8010e-003
tbIVehicleEF	HHD	1.1000e-004	6.2480e-003
tbIVehicleEF	HHD	0.19	0.03
tbIVehicleEF	HHD	3.3000e-004	0.04
tbIVehicleEF	HHD	0.07	0.03
tbIVehicleEF	HHD	0.56	0.00
tbIVehicleEF	HHD	0.09	4.33
tbIVehicleEF	HHD	0.07	3.0500e-004
tbIVehicleEF	HHD	2.20	4.3950e-003
tbIVehicleEF	HHD	0.96	11,875.11
tbIVehicleEF	HHD	3.06	0.09
tbIVehicleEF	HHD	3,998.00	2.0000e-006
tbIVehicleEF	HHD	1,551.76	1.87
tbIVehicleEF	HHD	9.81	0.08
tbIVehicleEF	HHD	13.32	0.00
tbIVehicleEF	HHD	1.87	0.22
tbIVehicleEF	HHD	19.62	0.24
tbIVehicleEF	HHD	0.01	5.0000e-006
tbIVehicleEF	HHD	0.06	4.95
tbIVehicleEF	HHD	0.04	0.17
tbIVehicleEF	HHD	6.0750e-003	6.8400e-004
tbIVehicleEF	HHD	8.4000e-005	1.4600e-004
tbIVehicleEF	HHD	0.01	1.5000e-005
tbIVehicleEF	HHD	0.03	6.4000e-005
tbIVehicleEF	HHD	8.8000e-003	4.3000e-005
tbIVehicleEF	HHD	5.8120e-003	1.0000e-006

tbIVehicleEF	HHD	7.7000e-005	1.5510e-003
tbIVehicleEF	HHD	9.6000e-005	9.1000e-004
tbIVehicleEF	HHD	4.4260e-003	0.03
tbIVehicleEF	HHD	0.43	6.64
tbIVehicleEF	HHD	7.1000e-005	0.00
tbIVehicleEF	HHD	0.08	3.51
tbIVehicleEF	HHD	3.6700e-004	0.04
tbIVehicleEF	HHD	0.07	2.07
tbIVehicleEF	HHD	0.04	6.51
tbIVehicleEF	HHD	0.01	0.57
tbIVehicleEF	HHD	1.4800e-004	9.3940e-003
tbIVehicleEF	HHD	9.6000e-005	156.80
tbIVehicleEF	HHD	4.4260e-003	2.0000e-006
tbIVehicleEF	HHD	0.51	2.8010e-003
tbIVehicleEF	HHD	7.1000e-005	6.2480e-003
tbIVehicleEF	HHD	0.19	0.03
tbIVehicleEF	HHD	3.6700e-004	0.04
tbIVehicleEF	HHD	0.08	0.04
tbIVehicleEF	LDA	4.2840e-003	3.0340e-003
tbIVehicleEF	LDA	4.4900e-003	0.05
tbIVehicleEF	LDA	0.57	0.72
tbIVehicleEF	LDA	1.00	2.11
tbIVehicleEF	LDA	253.57	270.89
tbIVehicleEF	LDA	54.70	53.31
tbIVehicleEF	LDA	0.04	0.04
tbIVehicleEF	LDA	0.06	0.18
tbIVehicleEF	LDA	1.9580e-003	1.7990e-003
tbIVehicleEF	LDA	2.2420e-003	1.8430e-003
tbIVehicleEF	LDA	1.8050e-003	1.6570e-003

tbIVehicleEF	LDA	2.0610e-003	1.6940e-003
tbIVehicleEF	LDA	0.04	0.05
tbIVehicleEF	LDA	0.09	0.10
tbIVehicleEF	LDA	0.03	0.05
tbIVehicleEF	LDA	0.01	0.01
tbIVehicleEF	LDA	0.04	0.21
tbIVehicleEF	LDA	0.06	0.22
tbIVehicleEF	LDA	2.5390e-003	2.6800e-003
tbIVehicleEF	LDA	5.6400e-004	5.2800e-004
tbIVehicleEF	LDA	0.04	0.05
tbIVehicleEF	LDA	0.09	0.10
tbIVehicleEF	LDA	0.03	0.05
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	0.04	0.21
tbIVehicleEF	LDA	0.07	0.25
tbIVehicleEF	LDA	0.00	0.04
tbIVehicleEF	LDA	4.5820e-003	0.00
tbIVehicleEF	LDA	3.9780e-003	0.10
tbIVehicleEF	LDA	0.00	11.18
tbIVehicleEF	LDA	0.64	0.00
tbIVehicleEF	LDA	0.86	3.2530e-003
tbIVehicleEF	LDA	0.00	5.0530e-003
tbIVehicleEF	LDA	266.77	0.00
tbIVehicleEF	LDA	54.70	0.01
tbIVehicleEF	LDA	0.00	9.4890e-003
tbIVehicleEF	LDA	0.04	0.00
tbIVehicleEF	LDA	0.05	4.4120e-003
tbIVehicleEF	LDA	0.00	0.07
tbIVehicleEF	LDA	0.04	0.00

tbIVehicleEF	LDA	8.0000e-003	0.02
tbIVehicleEF	LDA	1.9580e-003	0.20
tbIVehicleEF	LDA	2.2420e-003	0.39
tbIVehicleEF	LDA	0.00	0.02
tbIVehicleEF	LDA	0.02	0.39
tbIVehicleEF	LDA	2.0000e-003	0.33
tbIVehicleEF	LDA	1.8050e-003	0.22
tbIVehicleEF	LDA	2.0610e-003	0.20
tbIVehicleEF	LDA	0.06	0.00
tbIVehicleEF	LDA	0.10	1.4850e-003
tbIVehicleEF	LDA	0.05	1.7000e-005
tbIVehicleEF	LDA	0.01	0.04
tbIVehicleEF	LDA	0.03	0.00
tbIVehicleEF	LDA	2.6720e-003	0.79
tbIVehicleEF	LDA	5.6100e-004	1.79
tbIVehicleEF	LDA	0.06	60.05
tbIVehicleEF	LDA	0.10	1.8400e-003
tbIVehicleEF	LDA	0.00	3.8000e-004
tbIVehicleEF	LDA	0.05	7.7830e-003
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	0.03	8.0020e-003
tbIVehicleEF	LDA	0.06	0.00
tbIVehicleEF	LDA	0.00	0.05
tbIVehicleEF	LDA	4.1990e-003	0.00
tbIVehicleEF	LDA	4.5800e-003	0.11
tbIVehicleEF	LDA	0.00	11.32
tbIVehicleEF	LDA	0.55	0.00
tbIVehicleEF	LDA	1.03	2.9740e-003
tbIVehicleEF	LDA	0.00	5.3880e-003

tbIVehicleEF	LDA	249.51	0.00
tbIVehicleEF	LDA	54.70	0.01
tbIVehicleEF	LDA	0.00	0.01
tbIVehicleEF	LDA	0.04	0.00
tbIVehicleEF	LDA	0.06	4.7000e-003
tbIVehicleEF	LDA	0.00	0.05
tbIVehicleEF	LDA	0.04	0.00
tbIVehicleEF	LDA	8.0000e-003	0.02
tbIVehicleEF	LDA	1.9580e-003	0.24
tbIVehicleEF	LDA	2.2420e-003	0.24
tbIVehicleEF	LDA	0.00	0.02
tbIVehicleEF	LDA	0.02	0.24
tbIVehicleEF	LDA	2.0000e-003	0.22
tbIVehicleEF	LDA	1.8050e-003	0.25
tbIVehicleEF	LDA	2.0610e-003	0.24
tbIVehicleEF	LDA	0.03	0.00
tbIVehicleEF	LDA	0.10	1.4850e-003
tbIVehicleEF	LDA	0.03	1.7000e-005
tbIVehicleEF	LDA	0.01	0.04
tbIVehicleEF	LDA	0.04	0.00
tbIVehicleEF	LDA	2.4980e-003	0.69
tbIVehicleEF	LDA	5.6400e-004	2.17
tbIVehicleEF	LDA	0.03	56.49
tbIVehicleEF	LDA	0.10	1.8400e-003
tbIVehicleEF	LDA	0.00	3.8000e-004
tbIVehicleEF	LDA	0.03	7.7830e-003
tbIVehicleEF	LDA	0.02	0.02
tbIVehicleEF	LDA	0.04	8.0020e-003
tbIVehicleEF	LDA	0.07	0.00

tbIVehicleEF	LDT1	0.01	7.7890e-003
tbIVehicleEF	LDT1	0.01	0.07
tbIVehicleEF	LDT1	1.36	1.46
tbIVehicleEF	LDT1	2.49	2.28
tbIVehicleEF	LDT1	319.38	318.65
tbIVehicleEF	LDT1	67.76	63.32
tbIVehicleEF	LDT1	0.13	0.12
tbIVehicleEF	LDT1	0.15	0.26
tbIVehicleEF	LDT1	2.9980e-003	2.7210e-003
tbIVehicleEF	LDT1	3.2550e-003	2.6380e-003
tbIVehicleEF	LDT1	2.7600e-003	2.5050e-003
tbIVehicleEF	LDT1	2.9930e-003	2.4250e-003
tbIVehicleEF	LDT1	0.12	0.13
tbIVehicleEF	LDT1	0.25	0.20
tbIVehicleEF	LDT1	0.10	0.11
tbIVehicleEF	LDT1	0.03	0.03
tbIVehicleEF	LDT1	0.16	0.70
tbIVehicleEF	LDT1	0.17	0.36
tbIVehicleEF	LDT1	3.2100e-003	3.1530e-003
tbIVehicleEF	LDT1	7.2100e-004	6.2700e-004
tbIVehicleEF	LDT1	0.12	0.13
tbIVehicleEF	LDT1	0.25	0.20
tbIVehicleEF	LDT1	0.10	0.11
tbIVehicleEF	LDT1	0.04	0.05
tbIVehicleEF	LDT1	0.16	0.70
tbIVehicleEF	LDT1	0.19	0.39
tbIVehicleEF	LDT1	0.00	0.07
tbIVehicleEF	LDT1	0.01	0.00
tbIVehicleEF	LDT1	0.01	0.21

tbIVehicleEF	LDT1	0.00	13.55
tbIVehicleEF	LDT1	1.49	0.00
tbIVehicleEF	LDT1	2.12	8.2760e-003
tbIVehicleEF	LDT1	0.00	5.8840e-003
tbIVehicleEF	LDT1	334.82	0.00
tbIVehicleEF	LDT1	67.76	0.04
tbIVehicleEF	LDT1	0.00	0.01
tbIVehicleEF	LDT1	0.11	0.00
tbIVehicleEF	LDT1	0.13	8.0850e-003
tbIVehicleEF	LDT1	0.00	0.15
tbIVehicleEF	LDT1	0.04	0.00
tbIVehicleEF	LDT1	8.0000e-003	0.05
tbIVehicleEF	LDT1	2.9980e-003	0.65
tbIVehicleEF	LDT1	3.2550e-003	0.93
tbIVehicleEF	LDT1	0.00	0.05
tbIVehicleEF	LDT1	0.02	0.93
tbIVehicleEF	LDT1	2.0000e-003	0.71
tbIVehicleEF	LDT1	2.7600e-003	0.35
tbIVehicleEF	LDT1	2.9930e-003	0.65
tbIVehicleEF	LDT1	0.20	0.00
tbIVehicleEF	LDT1	0.27	2.3930e-003
tbIVehicleEF	LDT1	0.15	3.5000e-005
tbIVehicleEF	LDT1	0.03	0.11
tbIVehicleEF	LDT1	0.15	0.00
tbIVehicleEF	LDT1	3.3670e-003	1.59
tbIVehicleEF	LDT1	7.1400e-004	1.93
tbIVehicleEF	LDT1	0.20	71.69
tbIVehicleEF	LDT1	0.27	2.6340e-003
tbIVehicleEF	LDT1	0.00	5.9400e-004

tbIVehicleEF	LDT1	0.15	7.9510e-003
tbIVehicleEF	LDT1	0.05	0.02
tbIVehicleEF	LDT1	0.15	8.0020e-003
tbIVehicleEF	LDT1	0.16	0.00
tbIVehicleEF	LDT1	0.00	0.08
tbIVehicleEF	LDT1	0.01	0.00
tbIVehicleEF	LDT1	0.01	0.23
tbIVehicleEF	LDT1	0.00	13.73
tbIVehicleEF	LDT1	1.32	0.00
tbIVehicleEF	LDT1	2.56	7.6540e-003
tbIVehicleEF	LDT1	0.00	6.2690e-003
tbIVehicleEF	LDT1	314.49	0.00
tbIVehicleEF	LDT1	67.76	0.03
tbIVehicleEF	LDT1	0.00	0.02
tbIVehicleEF	LDT1	0.12	0.00
tbIVehicleEF	LDT1	0.15	8.6860e-003
tbIVehicleEF	LDT1	0.00	0.10
tbIVehicleEF	LDT1	0.04	0.00
tbIVehicleEF	LDT1	8.0000e-003	0.05
tbIVehicleEF	LDT1	2.9980e-003	0.83
tbIVehicleEF	LDT1	3.2550e-003	0.60
tbIVehicleEF	LDT1	0.00	0.05
tbIVehicleEF	LDT1	0.02	0.59
tbIVehicleEF	LDT1	2.0000e-003	0.48
tbIVehicleEF	LDT1	2.7600e-003	0.40
tbIVehicleEF	LDT1	2.9930e-003	0.83
tbIVehicleEF	LDT1	0.12	0.00
tbIVehicleEF	LDT1	0.28	2.3930e-003
tbIVehicleEF	LDT1	0.10	3.5000e-005

tbIVehicleEF	LDT1	0.03	0.12
tbIVehicleEF	LDT1	0.19	0.00
tbIVehicleEF	LDT1	3.1610e-003	1.41
tbIVehicleEF	LDT1	7.2200e-004	2.35
tbIVehicleEF	LDT1	0.12	68.01
tbIVehicleEF	LDT1	0.28	2.6340e-003
tbIVehicleEF	LDT1	0.00	5.9400e-004
tbIVehicleEF	LDT1	0.10	7.9510e-003
tbIVehicleEF	LDT1	0.04	0.02
tbIVehicleEF	LDT1	0.19	8.0020e-003
tbIVehicleEF	LDT1	0.19	0.00
tbIVehicleEF	LDT2	5.9720e-003	4.9910e-003
tbIVehicleEF	LDT2	5.6870e-003	0.07
tbIVehicleEF	LDT2	0.75	1.03
tbIVehicleEF	LDT2	1.24	2.65
tbIVehicleEF	LDT2	356.41	341.38
tbIVehicleEF	LDT2	75.77	68.34
tbIVehicleEF	LDT2	0.07	0.09
tbIVehicleEF	LDT2	0.09	0.28
tbIVehicleEF	LDT2	1.9990e-003	1.9090e-003
tbIVehicleEF	LDT2	2.3560e-003	1.8910e-003
tbIVehicleEF	LDT2	1.8380e-003	1.7570e-003
tbIVehicleEF	LDT2	2.1660e-003	1.7390e-003
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.10	0.12
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.01	0.02
tbIVehicleEF	LDT2	0.06	0.41
tbIVehicleEF	LDT2	0.08	0.31

tbIVehicleEF	LDT2	3.5700e-003	3.3770e-003
tbIVehicleEF	LDT2	7.7800e-004	6.7600e-004
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.10	0.12
tbIVehicleEF	LDT2	0.04	0.07
tbIVehicleEF	LDT2	0.02	0.03
tbIVehicleEF	LDT2	0.06	0.41
tbIVehicleEF	LDT2	0.08	0.34
tbIVehicleEF	LDT2	0.00	0.06
tbIVehicleEF	LDT2	6.3770e-003	0.00
tbIVehicleEF	LDT2	5.0410e-003	0.13
tbIVehicleEF	LDT2	0.00	14.40
tbIVehicleEF	LDT2	0.83	0.00
tbIVehicleEF	LDT2	1.06	5.3180e-003
tbIVehicleEF	LDT2	0.00	6.4670e-003
tbIVehicleEF	LDT2	374.21	0.00
tbIVehicleEF	LDT2	75.77	0.02
tbIVehicleEF	LDT2	0.00	0.01
tbIVehicleEF	LDT2	0.06	0.00
tbIVehicleEF	LDT2	0.09	6.6250e-003
tbIVehicleEF	LDT2	0.00	0.10
tbIVehicleEF	LDT2	0.04	0.00
tbIVehicleEF	LDT2	8.0000e-003	0.03
tbIVehicleEF	LDT2	1.9990e-003	0.38
tbIVehicleEF	LDT2	2.3560e-003	0.54
tbIVehicleEF	LDT2	0.00	0.03
tbIVehicleEF	LDT2	0.02	0.54
tbIVehicleEF	LDT2	2.0000e-003	0.49
tbIVehicleEF	LDT2	1.8380e-003	0.31

tbIVehicleEF	LDT2	2.1660e-003	0.38
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	0.10	1.6180e-003
tbIVehicleEF	LDT2	0.06	1.7000e-005
tbIVehicleEF	LDT2	0.02	0.08
tbIVehicleEF	LDT2	0.05	0.00
tbIVehicleEF	LDT2	3.7490e-003	1.12
tbIVehicleEF	LDT2	7.7500e-004	2.26
tbIVehicleEF	LDT2	0.07	75.14
tbIVehicleEF	LDT2	0.10	1.8890e-003
tbIVehicleEF	LDT2	0.00	4.0400e-004
tbIVehicleEF	LDT2	0.06	7.8210e-003
tbIVehicleEF	LDT2	0.02	0.02
tbIVehicleEF	LDT2	0.05	8.0020e-003
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	0.00	0.07
tbIVehicleEF	LDT2	5.8560e-003	0.00
tbIVehicleEF	LDT2	5.8000e-003	0.13
tbIVehicleEF	LDT2	0.00	14.59
tbIVehicleEF	LDT2	0.72	0.00
tbIVehicleEF	LDT2	1.27	4.8870e-003
tbIVehicleEF	LDT2	0.00	6.8940e-003
tbIVehicleEF	LDT2	350.82	0.00
tbIVehicleEF	LDT2	75.77	0.02
tbIVehicleEF	LDT2	0.00	0.01
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	0.09	7.0820e-003
tbIVehicleEF	LDT2	0.00	0.07
tbIVehicleEF	LDT2	0.04	0.00

tbIVehicleEF	LDT2	8.0000e-003	0.03
tbIVehicleEF	LDT2	1.9990e-003	0.48
tbIVehicleEF	LDT2	2.3560e-003	0.33
tbIVehicleEF	LDT2	0.00	0.03
tbIVehicleEF	LDT2	0.02	0.33
tbIVehicleEF	LDT2	2.0000e-003	0.33
tbIVehicleEF	LDT2	1.8380e-003	0.35
tbIVehicleEF	LDT2	2.1660e-003	0.48
tbIVehicleEF	LDT2	0.04	0.00
tbIVehicleEF	LDT2	0.10	1.6180e-003
tbIVehicleEF	LDT2	0.04	1.7000e-005
tbIVehicleEF	LDT2	0.01	0.08
tbIVehicleEF	LDT2	0.07	0.00
tbIVehicleEF	LDT2	3.5130e-003	0.99
tbIVehicleEF	LDT2	7.7900e-004	2.74
tbIVehicleEF	LDT2	0.04	71.61
tbIVehicleEF	LDT2	0.10	1.8890e-003
tbIVehicleEF	LDT2	0.00	4.0400e-004
tbIVehicleEF	LDT2	0.04	7.8210e-003
tbIVehicleEF	LDT2	0.02	0.02
tbIVehicleEF	LDT2	0.07	8.0020e-003
tbIVehicleEF	LDT2	0.09	0.00
tbIVehicleEF	LHD1	5.2120e-003	5.5830e-003
tbIVehicleEF	LHD1	9.8600e-003	5.7240e-003
tbIVehicleEF	LHD1	0.02	0.02
tbIVehicleEF	LHD1	0.15	0.19
tbIVehicleEF	LHD1	0.74	0.65
tbIVehicleEF	LHD1	2.42	1.14
tbIVehicleEF	LHD1	9.02	8.89

tbIVehicleEF	LHD1	594.63	666.21
tbIVehicleEF	LHD1	31.53	12.43
tbIVehicleEF	LHD1	0.07	0.05
tbIVehicleEF	LHD1	1.08	0.65
tbIVehicleEF	LHD1	0.94	0.33
tbIVehicleEF	LHD1	8.6300e-004	7.5700e-004
tbIVehicleEF	LHD1	0.01	9.6790e-003
tbIVehicleEF	LHD1	9.7700e-003	6.4420e-003
tbIVehicleEF	LHD1	8.9700e-004	2.8500e-004
tbIVehicleEF	LHD1	8.2600e-004	7.2400e-004
tbIVehicleEF	LHD1	2.5390e-003	2.4200e-003
tbIVehicleEF	LHD1	9.3240e-003	6.1330e-003
tbIVehicleEF	LHD1	8.2500e-004	2.6200e-004
tbIVehicleEF	LHD1	2.9620e-003	2.5670e-003
tbIVehicleEF	LHD1	0.10	0.08
tbIVehicleEF	LHD1	0.02	0.02
tbIVehicleEF	LHD1	1.7810e-003	1.5640e-003
tbIVehicleEF	LHD1	0.06	0.05
tbIVehicleEF	LHD1	0.30	0.56
tbIVehicleEF	LHD1	0.24	0.08
tbIVehicleEF	LHD1	9.0000e-005	8.6000e-005
tbIVehicleEF	LHD1	5.8320e-003	6.5060e-003
tbIVehicleEF	LHD1	3.6100e-004	1.2300e-004
tbIVehicleEF	LHD1	2.9620e-003	2.5670e-003
tbIVehicleEF	LHD1	0.10	0.08
tbIVehicleEF	LHD1	0.02	0.03
tbIVehicleEF	LHD1	1.7810e-003	1.5640e-003
tbIVehicleEF	LHD1	0.08	0.06
tbIVehicleEF	LHD1	0.30	0.56

tbIVehicleEF	LHD1	0.26	0.09
tbIVehicleEF	LHD1	5.2120e-003	5.1340e-003
tbIVehicleEF	LHD1	0.01	0.30
tbIVehicleEF	LHD1	0.02	0.08
tbIVehicleEF	LHD1	0.15	0.83
tbIVehicleEF	LHD1	0.75	124.98
tbIVehicleEF	LHD1	2.31	6.2080e-003
tbIVehicleEF	LHD1	9.02	1.7780e-003
tbIVehicleEF	LHD1	594.63	0.01
tbIVehicleEF	LHD1	31.53	0.05
tbIVehicleEF	LHD1	0.07	1.0420e-003
tbIVehicleEF	LHD1	1.01	0.07
tbIVehicleEF	LHD1	0.91	0.03
tbIVehicleEF	LHD1	8.6300e-004	2.2100e-003
tbIVehicleEF	LHD1	0.08	0.42
tbIVehicleEF	LHD1	0.01	0.06
tbIVehicleEF	LHD1	9.7700e-003	0.48
tbIVehicleEF	LHD1	8.9700e-004	0.06
tbIVehicleEF	LHD1	8.2600e-004	5.6060e-003
tbIVehicleEF	LHD1	0.03	0.05
tbIVehicleEF	LHD1	2.5390e-003	0.03
tbIVehicleEF	LHD1	9.3240e-003	0.07
tbIVehicleEF	LHD1	8.2500e-004	0.54
tbIVehicleEF	LHD1	4.5380e-003	1.7000e-004
tbIVehicleEF	LHD1	0.10	5.2380e-003
tbIVehicleEF	LHD1	0.02	0.05
tbIVehicleEF	LHD1	2.6400e-003	1.8000e-005
tbIVehicleEF	LHD1	0.06	0.61
tbIVehicleEF	LHD1	0.29	9.1050e-003

tbIVehicleEF	LHD1	0.23	0.32
tbIVehicleEF	LHD1	9.0000e-005	0.19
tbIVehicleEF	LHD1	5.8320e-003	0.67
tbIVehicleEF	LHD1	3.5900e-004	1.09
tbIVehicleEF	LHD1	4.5380e-003	48.48
tbIVehicleEF	LHD1	0.10	2.8500e-004
tbIVehicleEF	LHD1	0.02	4.2700e-004
tbIVehicleEF	LHD1	2.6400e-003	5.4550e-003
tbIVehicleEF	LHD1	0.08	0.03
tbIVehicleEF	LHD1	0.29	9.3700e-003
tbIVehicleEF	LHD1	0.25	9.5160e-003
tbIVehicleEF	LHD1	5.2120e-003	5.3710e-003
tbIVehicleEF	LHD1	9.8170e-003	0.30
tbIVehicleEF	LHD1	0.02	0.09
tbIVehicleEF	LHD1	0.15	0.84
tbIVehicleEF	LHD1	0.73	124.98
tbIVehicleEF	LHD1	2.43	6.0400e-003
tbIVehicleEF	LHD1	9.02	1.8370e-003
tbIVehicleEF	LHD1	594.63	0.01
tbIVehicleEF	LHD1	31.53	0.05
tbIVehicleEF	LHD1	0.07	1.0870e-003
tbIVehicleEF	LHD1	1.06	0.07
tbIVehicleEF	LHD1	0.95	0.03
tbIVehicleEF	LHD1	8.6300e-004	1.5420e-003
tbIVehicleEF	LHD1	0.08	0.42
tbIVehicleEF	LHD1	0.01	0.06
tbIVehicleEF	LHD1	9.7700e-003	0.53
tbIVehicleEF	LHD1	8.9700e-004	0.04
tbIVehicleEF	LHD1	8.2600e-004	6.2420e-003

tbIVehicleEF	LHD1	0.03	0.04
tbIVehicleEF	LHD1	2.5390e-003	0.02
tbIVehicleEF	LHD1	9.3240e-003	0.08
tbIVehicleEF	LHD1	8.2500e-004	0.60
tbIVehicleEF	LHD1	3.0750e-003	1.7000e-004
tbIVehicleEF	LHD1	0.11	5.2380e-003
tbIVehicleEF	LHD1	0.02	0.05
tbIVehicleEF	LHD1	1.7770e-003	1.8000e-005
tbIVehicleEF	LHD1	0.06	0.64
tbIVehicleEF	LHD1	0.32	9.1050e-003
tbIVehicleEF	LHD1	0.24	0.34
tbIVehicleEF	LHD1	9.0000e-005	0.19
tbIVehicleEF	LHD1	5.8320e-003	0.65
tbIVehicleEF	LHD1	3.6100e-004	1.14
tbIVehicleEF	LHD1	3.0750e-003	48.48
tbIVehicleEF	LHD1	0.11	2.8500e-004
tbIVehicleEF	LHD1	0.02	4.2700e-004
tbIVehicleEF	LHD1	1.7770e-003	5.4550e-003
tbIVehicleEF	LHD1	0.08	0.03
tbIVehicleEF	LHD1	0.32	9.3700e-003
tbIVehicleEF	LHD1	0.26	9.5160e-003
tbIVehicleEF	LHD2	3.6840e-003	3.9120e-003
tbIVehicleEF	LHD2	3.6840e-003	3.9650e-003
tbIVehicleEF	LHD2	7.3420e-003	0.01
tbIVehicleEF	LHD2	0.13	0.15
tbIVehicleEF	LHD2	0.32	0.44
tbIVehicleEF	LHD2	1.21	0.76
tbIVehicleEF	LHD2	13.71	13.45
tbIVehicleEF	LHD2	608.08	667.35

tbIVehicleEF	LHD2	26.39	9.56
tbIVehicleEF	LHD2	0.09	0.09
tbIVehicleEF	LHD2	0.67	0.84
tbIVehicleEF	LHD2	0.50	0.23
tbIVehicleEF	LHD2	1.1670e-003	1.2520e-003
tbIVehicleEF	LHD2	0.01	0.01
tbIVehicleEF	LHD2	8.9870e-003	0.01
tbIVehicleEF	LHD2	4.2200e-004	1.6200e-004
tbIVehicleEF	LHD2	1.1160e-003	1.1980e-003
tbIVehicleEF	LHD2	2.6680e-003	2.6330e-003
tbIVehicleEF	LHD2	8.5850e-003	9.5770e-003
tbIVehicleEF	LHD2	3.8800e-004	1.4900e-004
tbIVehicleEF	LHD2	1.0410e-003	1.5680e-003
tbIVehicleEF	LHD2	0.03	0.05
tbIVehicleEF	LHD2	0.01	0.02
tbIVehicleEF	LHD2	6.8300e-004	9.7100e-004
tbIVehicleEF	LHD2	0.04	0.05
tbIVehicleEF	LHD2	0.07	0.35
tbIVehicleEF	LHD2	0.10	0.05
tbIVehicleEF	LHD2	1.3400e-004	1.2900e-004
tbIVehicleEF	LHD2	5.9210e-003	6.4600e-003
tbIVehicleEF	LHD2	2.8600e-004	9.5000e-005
tbIVehicleEF	LHD2	1.0410e-003	1.5680e-003
tbIVehicleEF	LHD2	0.03	0.05
tbIVehicleEF	LHD2	0.02	0.02
tbIVehicleEF	LHD2	6.8300e-004	9.7100e-004
tbIVehicleEF	LHD2	0.05	0.06
tbIVehicleEF	LHD2	0.07	0.35
tbIVehicleEF	LHD2	0.11	0.06

tbIVehicleEF	LHD2	3.6840e-003	3.5540e-003
tbIVehicleEF	LHD2	3.7270e-003	0.23
tbIVehicleEF	LHD2	7.0950e-003	0.06
tbIVehicleEF	LHD2	0.13	0.64
tbIVehicleEF	LHD2	0.32	184.31
tbIVehicleEF	LHD2	1.16	4.2190e-003
tbIVehicleEF	LHD2	13.71	1.2050e-003
tbIVehicleEF	LHD2	608.08	0.02
tbIVehicleEF	LHD2	26.39	0.05
tbIVehicleEF	LHD2	0.09	7.2200e-004
tbIVehicleEF	LHD2	0.64	0.05
tbIVehicleEF	LHD2	0.48	0.05
tbIVehicleEF	LHD2	1.1670e-003	1.3640e-003
tbIVehicleEF	LHD2	0.09	0.31
tbIVehicleEF	LHD2	0.01	0.06
tbIVehicleEF	LHD2	8.9870e-003	0.28
tbIVehicleEF	LHD2	4.2200e-004	0.03
tbIVehicleEF	LHD2	1.1160e-003	3.7590e-003
tbIVehicleEF	LHD2	0.04	0.03
tbIVehicleEF	LHD2	2.6680e-003	0.02
tbIVehicleEF	LHD2	8.5850e-003	0.05
tbIVehicleEF	LHD2	3.8800e-004	0.34
tbIVehicleEF	LHD2	1.5870e-003	1.9200e-004
tbIVehicleEF	LHD2	0.04	8.5420e-003
tbIVehicleEF	LHD2	0.01	0.09
tbIVehicleEF	LHD2	9.9900e-004	1.0000e-005
tbIVehicleEF	LHD2	0.04	0.79
tbIVehicleEF	LHD2	0.07	0.02
tbIVehicleEF	LHD2	0.10	0.22

tbIVehicleEF	LHD2	1.3400e-004	0.15
tbIVehicleEF	LHD2	5.9210e-003	0.44
tbIVehicleEF	LHD2	2.8500e-004	0.73
tbIVehicleEF	LHD2	1.5870e-003	50.51
tbIVehicleEF	LHD2	0.04	1.6200e-004
tbIVehicleEF	LHD2	0.02	7.0500e-004
tbIVehicleEF	LHD2	9.9900e-004	6.5990e-003
tbIVehicleEF	LHD2	0.05	0.04
tbIVehicleEF	LHD2	0.07	0.01
tbIVehicleEF	LHD2	0.10	0.02
tbIVehicleEF	LHD2	3.6840e-003	3.7180e-003
tbIVehicleEF	LHD2	3.6740e-003	0.23
tbIVehicleEF	LHD2	7.3760e-003	0.06
tbIVehicleEF	LHD2	0.13	0.64
tbIVehicleEF	LHD2	0.32	184.31
tbIVehicleEF	LHD2	1.22	4.1490e-003
tbIVehicleEF	LHD2	13.71	1.2430e-003
tbIVehicleEF	LHD2	608.08	0.02
tbIVehicleEF	LHD2	26.39	0.05
tbIVehicleEF	LHD2	0.09	7.5300e-004
tbIVehicleEF	LHD2	0.66	0.05
tbIVehicleEF	LHD2	0.50	0.05
tbIVehicleEF	LHD2	1.1670e-003	9.4300e-004
tbIVehicleEF	LHD2	0.09	0.31
tbIVehicleEF	LHD2	0.01	0.06
tbIVehicleEF	LHD2	8.9870e-003	0.32
tbIVehicleEF	LHD2	4.2200e-004	0.02
tbIVehicleEF	LHD2	1.1160e-003	4.0970e-003
tbIVehicleEF	LHD2	0.04	0.02

tbIVehicleEF	LHD2	2.6680e-003	0.01
tbIVehicleEF	LHD2	8.5850e-003	0.05
tbIVehicleEF	LHD2	3.8800e-004	0.38
tbIVehicleEF	LHD2	1.0460e-003	1.9200e-004
tbIVehicleEF	LHD2	0.04	8.5420e-003
tbIVehicleEF	LHD2	0.01	0.09
tbIVehicleEF	LHD2	6.7100e-004	1.0000e-005
tbIVehicleEF	LHD2	0.04	0.82
tbIVehicleEF	LHD2	0.08	0.02
tbIVehicleEF	LHD2	0.10	0.23
tbIVehicleEF	LHD2	1.3400e-004	0.15
tbIVehicleEF	LHD2	5.9210e-003	0.44
tbIVehicleEF	LHD2	2.8600e-004	0.77
tbIVehicleEF	LHD2	1.0460e-003	50.50
tbIVehicleEF	LHD2	0.04	1.6200e-004
tbIVehicleEF	LHD2	0.02	7.0500e-004
tbIVehicleEF	LHD2	6.7100e-004	6.5990e-003
tbIVehicleEF	LHD2	0.05	0.04
tbIVehicleEF	LHD2	0.08	0.01
tbIVehicleEF	LHD2	0.11	0.02
tbIVehicleEF	MCY	0.51	0.38
tbIVehicleEF	MCY	0.15	0.24
tbIVehicleEF	MCY	18.57	19.19
tbIVehicleEF	MCY	9.67	8.53
tbIVehicleEF	MCY	183.90	223.45
tbIVehicleEF	MCY	44.44	59.65
tbIVehicleEF	MCY	1.13	1.13
tbIVehicleEF	MCY	0.31	0.26
tbIVehicleEF	MCY	2.3320e-003	2.4320e-003

tblVehicleEF	MCY	3.6000e-003	3.2970e-003
tblVehicleEF	MCY	2.1780e-003	2.2730e-003
tblVehicleEF	MCY	3.3840e-003	3.1040e-003
tblVehicleEF	MCY	1.14	1.09
tblVehicleEF	MCY	0.66	0.66
tblVehicleEF	MCY	0.67	0.67
tblVehicleEF	MCY	2.47	2.61
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.04	1.82
tblVehicleEF	MCY	2.2170e-003	2.2110e-003
tblVehicleEF	MCY	6.6200e-004	5.9000e-004
tblVehicleEF	MCY	1.14	1.09
tblVehicleEF	MCY	0.66	0.66
tblVehicleEF	MCY	0.67	0.67
tblVehicleEF	MCY	3.08	3.24
tblVehicleEF	MCY	0.60	1.99
tblVehicleEF	MCY	2.22	1.98
tblVehicleEF	MCY	0.00	0.81
tblVehicleEF	MCY	0.50	0.00
tblVehicleEF	MCY	0.13	0.73
tblVehicleEF	MCY	0.00	28.87
tblVehicleEF	MCY	18.00	0.00
tblVehicleEF	MCY	8.85	0.37
tblVehicleEF	MCY	0.00	7.4230e-003
tblVehicleEF	MCY	183.90	0.00
tblVehicleEF	MCY	44.44	2.55
tblVehicleEF	MCY	0.00	0.10
tblVehicleEF	MCY	0.98	0.00
tblVehicleEF	MCY	0.29	0.06

tbIVehicleEF	MCY	0.00	1.10
tbIVehicleEF	MCY	0.01	0.00
tbIVehicleEF	MCY	4.0000e-003	3.17
tbIVehicleEF	MCY	2.3320e-003	1.87
tbIVehicleEF	MCY	3.6000e-003	3.53
tbIVehicleEF	MCY	0.00	0.37
tbIVehicleEF	MCY	5.0400e-003	3.53
tbIVehicleEF	MCY	1.0000e-003	2.20
tbIVehicleEF	MCY	2.1780e-003	1.75
tbIVehicleEF	MCY	3.3840e-003	1.87
tbIVehicleEF	MCY	1.88	5.0000e-004
tbIVehicleEF	MCY	0.75	2.2730e-003
tbIVehicleEF	MCY	1.17	1.5520e-003
tbIVehicleEF	MCY	2.42	0.99
tbIVehicleEF	MCY	0.57	0.00
tbIVehicleEF	MCY	1.82	0.25
tbIVehicleEF	MCY	2.2060e-003	18.47
tbIVehicleEF	MCY	6.4200e-004	7.76
tbIVehicleEF	MCY	1.88	111.05
tbIVehicleEF	MCY	0.75	3.2970e-003
tbIVehicleEF	MCY	0.00	1.2160e-003
tbIVehicleEF	MCY	1.17	5.8800e-003
tbIVehicleEF	MCY	3.01	5.0400e-003
tbIVehicleEF	MCY	0.57	4.0000e-003
tbIVehicleEF	MCY	1.98	0.00
tbIVehicleEF	MCY	0.00	0.93
tbIVehicleEF	MCY	0.52	0.00
tbIVehicleEF	MCY	0.15	0.85
tbIVehicleEF	MCY	0.00	30.00

tbIVehicleEF	MCY	18.58	0.00
tbIVehicleEF	MCY	9.75	0.38
tbIVehicleEF	MCY	0.00	7.6700e-003
tbIVehicleEF	MCY	183.90	0.00
tbIVehicleEF	MCY	44.44	2.62
tbIVehicleEF	MCY	0.00	0.12
tbIVehicleEF	MCY	1.10	0.00
tbIVehicleEF	MCY	0.31	0.06
tbIVehicleEF	MCY	0.00	0.64
tbIVehicleEF	MCY	0.01	0.00
tbIVehicleEF	MCY	4.0000e-003	3.26
tbIVehicleEF	MCY	2.3320e-003	2.29
tbIVehicleEF	MCY	3.6000e-003	2.37
tbIVehicleEF	MCY	0.00	0.43
tbIVehicleEF	MCY	5.0400e-003	2.37
tbIVehicleEF	MCY	1.0000e-003	1.27
tbIVehicleEF	MCY	2.1780e-003	2.02
tbIVehicleEF	MCY	3.3840e-003	2.29
tbIVehicleEF	MCY	1.25	5.0000e-004
tbIVehicleEF	MCY	0.85	2.2730e-003
tbIVehicleEF	MCY	0.66	1.5520e-003
tbIVehicleEF	MCY	2.48	1.11
tbIVehicleEF	MCY	0.69	0.00
tbIVehicleEF	MCY	2.07	0.27
tbIVehicleEF	MCY	2.2180e-003	19.29
tbIVehicleEF	MCY	6.6500e-004	8.66
tbIVehicleEF	MCY	1.25	111.83
tbIVehicleEF	MCY	0.85	3.2970e-003
tbIVehicleEF	MCY	0.00	1.2160e-003

tblVehicleEF	MCY	0.66	5.8800e-003
tblVehicleEF	MCY	3.09	5.0400e-003
tblVehicleEF	MCY	0.69	4.0000e-003
tblVehicleEF	MCY	2.25	0.00
tblVehicleEF	MDV	0.01	6.5750e-003
tblVehicleEF	MDV	0.01	0.08
tblVehicleEF	MDV	1.17	1.22
tblVehicleEF	MDV	2.29	3.11
tblVehicleEF	MDV	483.40	419.24
tblVehicleEF	MDV	101.24	83.18
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	0.20	0.35
tblVehicleEF	MDV	2.1080e-003	2.0860e-003
tblVehicleEF	MDV	2.4110e-003	2.0610e-003
tblVehicleEF	MDV	1.9430e-003	1.9230e-003
tblVehicleEF	MDV	2.2170e-003	1.8960e-003
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.03	0.03
tblVehicleEF	MDV	0.09	0.43
tblVehicleEF	MDV	0.17	0.40
tblVehicleEF	MDV	4.8410e-003	4.1450e-003
tblVehicleEF	MDV	1.0520e-003	8.2300e-004
tblVehicleEF	MDV	0.07	0.08
tblVehicleEF	MDV	0.15	0.14
tblVehicleEF	MDV	0.07	0.09
tblVehicleEF	MDV	0.04	0.04
tblVehicleEF	MDV	0.09	0.43

tblVehicleEF	MDV	0.19	0.44
tblVehicleEF	MDV	0.00	0.08
tblVehicleEF	MDV	0.01	0.00
tblVehicleEF	MDV	0.01	0.15
tblVehicleEF	MDV	0.00	17.75
tblVehicleEF	MDV	1.29	0.00
tblVehicleEF	MDV	1.96	7.0040e-003
tblVehicleEF	MDV	0.00	7.1080e-003
tblVehicleEF	MDV	507.25	0.00
tblVehicleEF	MDV	101.24	0.03
tblVehicleEF	MDV	0.00	0.02
tblVehicleEF	MDV	0.11	0.00
tblVehicleEF	MDV	0.19	9.1800e-003
tblVehicleEF	MDV	0.00	0.13
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.0000e-003	0.04
tblVehicleEF	MDV	2.1080e-003	0.40
tblVehicleEF	MDV	2.4110e-003	0.62
tblVehicleEF	MDV	0.00	0.03
tblVehicleEF	MDV	0.02	0.61
tblVehicleEF	MDV	2.0000e-003	0.58
tblVehicleEF	MDV	1.9430e-003	0.39
tblVehicleEF	MDV	2.2170e-003	0.40
tblVehicleEF	MDV	0.11	0.00
tblVehicleEF	MDV	0.16	1.7780e-003
tblVehicleEF	MDV	0.10	2.1000e-005
tblVehicleEF	MDV	0.03	0.10
tblVehicleEF	MDV	0.09	0.00
tblVehicleEF	MDV	5.0810e-003	1.33

tbIVehicleEF	MDV	1.0460e-003	2.64
tbIVehicleEF	MDV	0.11	93.07
tbIVehicleEF	MDV	0.16	2.0580e-003
tbIVehicleEF	MDV	0.00	4.4600e-004
tbIVehicleEF	MDV	0.10	7.9160e-003
tbIVehicleEF	MDV	0.04	0.02
tbIVehicleEF	MDV	0.09	8.0020e-003
tbIVehicleEF	MDV	0.17	0.00
tbIVehicleEF	MDV	0.00	0.09
tbIVehicleEF	MDV	0.01	0.00
tbIVehicleEF	MDV	0.01	0.15
tbIVehicleEF	MDV	0.00	17.99
tbIVehicleEF	MDV	1.13	0.00
tbIVehicleEF	MDV	2.35	6.4530e-003
tbIVehicleEF	MDV	0.00	7.5770e-003
tbIVehicleEF	MDV	476.03	0.00
tbIVehicleEF	MDV	101.24	0.03
tbIVehicleEF	MDV	0.00	0.02
tbIVehicleEF	MDV	0.12	0.00
tbIVehicleEF	MDV	0.21	9.7530e-003
tbIVehicleEF	MDV	0.00	0.09
tbIVehicleEF	MDV	0.04	0.00
tbIVehicleEF	MDV	8.0000e-003	0.04
tbIVehicleEF	MDV	2.1080e-003	0.50
tbIVehicleEF	MDV	2.4110e-003	0.37
tbIVehicleEF	MDV	0.00	0.03
tbIVehicleEF	MDV	0.02	0.37
tbIVehicleEF	MDV	2.0000e-003	0.40
tbIVehicleEF	MDV	1.9430e-003	0.45

tbIVehicleEF	MDV	2.2170e-003	0.50
tbIVehicleEF	MDV	0.07	0.00
tbIVehicleEF	MDV	0.17	1.7780e-003
tbIVehicleEF	MDV	0.07	2.1000e-005
tbIVehicleEF	MDV	0.03	0.11
tbIVehicleEF	MDV	0.11	0.00
tbIVehicleEF	MDV	4.7660e-003	1.18
tbIVehicleEF	MDV	1.0530e-003	3.21
tbIVehicleEF	MDV	0.07	89.28
tbIVehicleEF	MDV	0.17	2.0580e-003
tbIVehicleEF	MDV	0.00	4.4600e-004
tbIVehicleEF	MDV	0.07	7.9160e-003
tbIVehicleEF	MDV	0.04	0.02
tbIVehicleEF	MDV	0.11	8.0020e-003
tbIVehicleEF	MDV	0.19	0.00
tbIVehicleEF	MH	0.02	0.01
tbIVehicleEF	MH	0.02	0.02
tbIVehicleEF	MH	1.75	1.21
tbIVehicleEF	MH	5.15	2.15
tbIVehicleEF	MH	1,102.46	1,501.21
tbIVehicleEF	MH	58.88	19.42
tbIVehicleEF	MH	1.12	1.11
tbIVehicleEF	MH	0.75	0.25
tbIVehicleEF	MH	0.01	0.01
tbIVehicleEF	MH	0.02	0.02
tbIVehicleEF	MH	1.0110e-003	2.8400e-004
tbIVehicleEF	MH	3.2180e-003	3.2450e-003
tbIVehicleEF	MH	0.02	0.02
tbIVehicleEF	MH	9.3000e-004	2.6100e-004

tbIVehicleEF	MH	0.93	0.84
tbIVehicleEF	MH	0.06	0.06
tbIVehicleEF	MH	0.38	0.35
tbIVehicleEF	MH	0.07	0.06
tbIVehicleEF	MH	0.02	1.46
tbIVehicleEF	MH	0.30	0.10
tbIVehicleEF	MH	0.01	0.01
tbIVehicleEF	MH	6.7800e-004	1.9200e-004
tbIVehicleEF	MH	0.93	0.84
tbIVehicleEF	MH	0.06	0.06
tbIVehicleEF	MH	0.38	0.35
tbIVehicleEF	MH	0.10	0.08
tbIVehicleEF	MH	0.02	1.46
tbIVehicleEF	MH	0.33	0.11
tbIVehicleEF	MH	0.00	0.92
tbIVehicleEF	MH	0.02	0.00
tbIVehicleEF	MH	0.02	0.06
tbIVehicleEF	MH	0.00	192.01
tbIVehicleEF	MH	1.80	0.00
tbIVehicleEF	MH	4.84	0.01
tbIVehicleEF	MH	0.00	0.27
tbIVehicleEF	MH	1,102.46	0.00
tbIVehicleEF	MH	58.88	0.06
tbIVehicleEF	MH	0.00	0.22
tbIVehicleEF	MH	1.04	0.00
tbIVehicleEF	MH	0.72	0.05
tbIVehicleEF	MH	0.00	0.50
tbIVehicleEF	MH	0.13	0.00
tbIVehicleEF	MH	0.01	0.08

tbIVehicleEF	MH	0.02	1.42
tbIVehicleEF	MH	1.0110e-003	0.12
tbIVehicleEF	MH	0.00	0.60
tbIVehicleEF	MH	0.06	0.12
tbIVehicleEF	MH	3.2180e-003	0.05
tbIVehicleEF	MH	0.02	0.10
tbIVehicleEF	MH	9.3000e-004	1.43
tbIVehicleEF	MH	1.40	0.03
tbIVehicleEF	MH	0.06	0.02
tbIVehicleEF	MH	0.58	2.6060e-003
tbIVehicleEF	MH	0.07	1.03
tbIVehicleEF	MH	0.02	0.00
tbIVehicleEF	MH	0.28	0.24
tbIVehicleEF	MH	0.01	1.24
tbIVehicleEF	MH	6.7300e-004	2.03
tbIVehicleEF	MH	1.40	15,054.74
tbIVehicleEF	MH	0.06	2.8400e-004
tbIVehicleEF	MH	0.00	0.19
tbIVehicleEF	MH	0.58	1.30
tbIVehicleEF	MH	0.10	0.06
tbIVehicleEF	MH	0.02	0.01
tbIVehicleEF	MH	0.31	0.00
tbIVehicleEF	MH	0.00	0.97
tbIVehicleEF	MH	0.02	0.00
tbIVehicleEF	MH	0.02	0.07
tbIVehicleEF	MH	0.00	194.46
tbIVehicleEF	MH	1.74	0.00
tbIVehicleEF	MH	5.19	0.01
tbIVehicleEF	MH	0.00	0.28

tbIVehicleEF	MH	1,102.46	0.00
tbIVehicleEF	MH	58.88	0.06
tbIVehicleEF	MH	0.00	0.24
tbIVehicleEF	MH	1.10	0.00
tbIVehicleEF	MH	0.75	0.05
tbIVehicleEF	MH	0.00	0.36
tbIVehicleEF	MH	0.13	0.00
tbIVehicleEF	MH	0.01	0.08
tbIVehicleEF	MH	0.02	1.53
tbIVehicleEF	MH	1.0110e-003	0.09
tbIVehicleEF	MH	0.00	0.71
tbIVehicleEF	MH	0.06	0.09
tbIVehicleEF	MH	3.2180e-003	0.04
tbIVehicleEF	MH	0.02	0.11
tbIVehicleEF	MH	9.3000e-004	1.54
tbIVehicleEF	MH	1.03	0.03
tbIVehicleEF	MH	0.08	0.02
tbIVehicleEF	MH	0.40	2.6060e-003
tbIVehicleEF	MH	0.07	1.09
tbIVehicleEF	MH	0.02	0.00
tbIVehicleEF	MH	0.30	0.25
tbIVehicleEF	MH	0.01	1.20
tbIVehicleEF	MH	6.7900e-004	2.18
tbIVehicleEF	MH	1.03	15,054.02
tbIVehicleEF	MH	0.08	2.8400e-004
tbIVehicleEF	MH	0.00	0.19
tbIVehicleEF	MH	0.40	1.30
tbIVehicleEF	MH	0.10	0.06
tbIVehicleEF	MH	0.02	0.01

tbIVehicleEF	MH	0.33	0.00
tbIVehicleEF	MHD	0.02	4.3860e-003
tbIVehicleEF	MHD	3.3120e-003	4.5970e-003
tbIVehicleEF	MHD	0.05	0.01
tbIVehicleEF	MHD	0.34	0.39
tbIVehicleEF	MHD	0.28	0.47
tbIVehicleEF	MHD	5.26	1.42
tbIVehicleEF	MHD	138.52	67.37
tbIVehicleEF	MHD	1,128.29	1,069.65
tbIVehicleEF	MHD	59.14	12.05
tbIVehicleEF	MHD	0.37	0.48
tbIVehicleEF	MHD	0.70	1.63
tbIVehicleEF	MHD	10.62	1.29
tbIVehicleEF	MHD	1.0200e-004	1.0770e-003
tbIVehicleEF	MHD	2.8190e-003	0.03
tbIVehicleEF	MHD	7.6400e-004	1.3700e-004
tbIVehicleEF	MHD	9.8000e-005	1.0300e-003
tbIVehicleEF	MHD	2.6930e-003	0.03
tbIVehicleEF	MHD	7.0300e-004	1.2600e-004
tbIVehicleEF	MHD	1.0280e-003	6.6200e-004
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.02	0.02
tbIVehicleEF	MHD	6.7100e-004	4.2600e-004
tbIVehicleEF	MHD	0.03	0.06
tbIVehicleEF	MHD	0.02	0.14
tbIVehicleEF	MHD	0.32	0.07
tbIVehicleEF	MHD	1.3330e-003	6.4000e-004
tbIVehicleEF	MHD	0.01	0.01
tbIVehicleEF	MHD	6.8400e-004	1.1900e-004

tbIVehicleEF	MHD	1.0280e-003	6.6200e-004
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.03	0.03
tbIVehicleEF	MHD	6.7100e-004	4.2600e-004
tbIVehicleEF	MHD	0.04	0.07
tbIVehicleEF	MHD	0.02	0.14
tbIVehicleEF	MHD	0.35	0.07
tbIVehicleEF	MHD	0.01	3.1600e-003
tbIVehicleEF	MHD	3.3570e-003	0.23
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.25	0.60
tbIVehicleEF	MHD	0.28	801.62
tbIVehicleEF	MHD	5.00	6.3020e-003
tbIVehicleEF	MHD	146.72	4.4400e-004
tbIVehicleEF	MHD	1,128.29	0.11
tbIVehicleEF	MHD	59.14	0.06
tbIVehicleEF	MHD	0.38	5.9500e-004
tbIVehicleEF	MHD	0.66	0.04
tbIVehicleEF	MHD	10.59	0.11
tbIVehicleEF	MHD	8.6000e-005	6.0400e-004
tbIVehicleEF	MHD	0.13	0.31
tbIVehicleEF	MHD	0.01	0.07
tbIVehicleEF	MHD	2.8190e-003	0.07
tbIVehicleEF	MHD	7.6400e-004	0.02
tbIVehicleEF	MHD	8.3000e-005	1.3950e-003
tbIVehicleEF	MHD	0.06	0.01
tbIVehicleEF	MHD	3.0000e-003	6.2570e-003
tbIVehicleEF	MHD	2.6930e-003	0.04
tbIVehicleEF	MHD	7.0300e-004	0.14

tbIVehicleEF	MHD	1.5610e-003	2.5700e-004
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.02	0.48
tbIVehicleEF	MHD	9.8200e-004	6.0000e-006
tbIVehicleEF	MHD	0.03	1.54
tbIVehicleEF	MHD	0.02	8.5670e-003
tbIVehicleEF	MHD	0.31	1.29
tbIVehicleEF	MHD	1.4110e-003	0.32
tbIVehicleEF	MHD	0.01	0.48
tbIVehicleEF	MHD	6.7900e-004	1.35
tbIVehicleEF	MHD	1.5610e-003	92.89
tbIVehicleEF	MHD	0.04	1.3700e-004
tbIVehicleEF	MHD	0.03	2.6640e-003
tbIVehicleEF	MHD	9.8200e-004	0.01
tbIVehicleEF	MHD	0.04	0.06
tbIVehicleEF	MHD	0.02	0.01
tbIVehicleEF	MHD	0.34	8.9540e-003
tbIVehicleEF	MHD	0.02	3.3190e-003
tbIVehicleEF	MHD	3.3000e-003	0.25
tbIVehicleEF	MHD	0.05	0.03
tbIVehicleEF	MHD	0.47	0.60
tbIVehicleEF	MHD	0.28	779.65
tbIVehicleEF	MHD	5.30	6.1700e-003
tbIVehicleEF	MHD	127.19	4.5700e-004
tbIVehicleEF	MHD	1,128.29	0.11
tbIVehicleEF	MHD	59.14	0.06
tbIVehicleEF	MHD	0.35	6.2100e-004
tbIVehicleEF	MHD	0.69	0.05
tbIVehicleEF	MHD	10.63	0.11

tbIVehicleEF	MHD	1.2500e-004	4.1600e-004
tbIVehicleEF	MHD	0.13	0.34
tbIVehicleEF	MHD	0.01	0.07
tbIVehicleEF	MHD	2.8190e-003	0.08
tbIVehicleEF	MHD	7.6400e-004	0.01
tbIVehicleEF	MHD	1.1900e-004	1.4610e-003
tbIVehicleEF	MHD	0.06	7.1060e-003
tbIVehicleEF	MHD	3.0000e-003	4.3140e-003
tbIVehicleEF	MHD	2.6930e-003	0.04
tbIVehicleEF	MHD	7.0300e-004	0.16
tbIVehicleEF	MHD	1.0490e-003	2.5700e-004
tbIVehicleEF	MHD	0.04	0.03
tbIVehicleEF	MHD	0.03	0.48
tbIVehicleEF	MHD	6.6300e-004	6.0000e-006
tbIVehicleEF	MHD	0.03	1.60
tbIVehicleEF	MHD	0.02	0.01
tbIVehicleEF	MHD	0.33	1.29
tbIVehicleEF	MHD	1.2270e-003	0.49
tbIVehicleEF	MHD	0.01	0.47
tbIVehicleEF	MHD	6.8400e-004	1.44
tbIVehicleEF	MHD	1.0490e-003	92.89
tbIVehicleEF	MHD	0.04	1.3700e-004
tbIVehicleEF	MHD	0.04	2.6640e-003
tbIVehicleEF	MHD	6.6300e-004	0.01
tbIVehicleEF	MHD	0.04	0.06
tbIVehicleEF	MHD	0.02	0.01
tbIVehicleEF	MHD	0.36	0.01
tbIVehicleEF	OBUS	0.01	8.4810e-003
tbIVehicleEF	OBUS	6.0680e-003	7.0170e-003

tbIVehicleEF	OBUS	0.03	0.02
tbIVehicleEF	OBUS	0.25	0.60
tbIVehicleEF	OBUS	0.45	0.79
tbIVehicleEF	OBUS	5.23	2.39
tbIVehicleEF	OBUS	92.13	94.60
tbIVehicleEF	OBUS	1,229.05	1,392.48
tbIVehicleEF	OBUS	68.41	19.23
tbIVehicleEF	OBUS	0.19	0.46
tbIVehicleEF	OBUS	0.64	1.57
tbIVehicleEF	OBUS	2.34	0.76
tbIVehicleEF	OBUS	1.8000e-005	7.9300e-004
tbIVehicleEF	OBUS	2.5270e-003	0.02
tbIVehicleEF	OBUS	8.5100e-004	1.9700e-004
tbIVehicleEF	OBUS	1.7000e-005	7.5900e-004
tbIVehicleEF	OBUS	2.4010e-003	0.02
tbIVehicleEF	OBUS	7.8200e-004	1.8100e-004
tbIVehicleEF	OBUS	1.4810e-003	1.8440e-003
tbIVehicleEF	OBUS	0.02	0.02
tbIVehicleEF	OBUS	0.03	0.06
tbIVehicleEF	OBUS	7.8200e-004	9.4300e-004
tbIVehicleEF	OBUS	0.04	0.06
tbIVehicleEF	OBUS	0.04	0.26
tbIVehicleEF	OBUS	0.33	0.11
tbIVehicleEF	OBUS	8.9100e-004	9.0000e-004
tbIVehicleEF	OBUS	0.01	0.01
tbIVehicleEF	OBUS	7.7600e-004	1.9000e-004
tbIVehicleEF	OBUS	1.4810e-003	1.8440e-003
tbIVehicleEF	OBUS	0.02	0.02
tbIVehicleEF	OBUS	0.05	0.07

tbIVehicleEF	OBUS	7.8200e-004	9.4300e-004
tbIVehicleEF	OBUS	0.05	0.08
tbIVehicleEF	OBUS	0.04	0.26
tbIVehicleEF	OBUS	0.36	0.13
tbIVehicleEF	OBUS	0.01	5.5090e-003
tbIVehicleEF	OBUS	6.1800e-003	0.93
tbIVehicleEF	OBUS	0.03	0.02
tbIVehicleEF	OBUS	0.24	0.95
tbIVehicleEF	OBUS	0.45	1,847.71
tbIVehicleEF	OBUS	4.94	0.01
tbIVehicleEF	OBUS	96.60	8.9700e-004
tbIVehicleEF	OBUS	1,229.05	0.27
tbIVehicleEF	OBUS	68.41	0.06
tbIVehicleEF	OBUS	0.20	1.0490e-003
tbIVehicleEF	OBUS	0.60	0.11
tbIVehicleEF	OBUS	2.30	0.07
tbIVehicleEF	OBUS	1.5000e-005	1.3250e-003
tbIVehicleEF	OBUS	0.13	1.16
tbIVehicleEF	OBUS	0.01	0.08
tbIVehicleEF	OBUS	2.5270e-003	0.15
tbIVehicleEF	OBUS	8.5100e-004	0.05
tbIVehicleEF	OBUS	1.4000e-005	1.1330e-003
tbIVehicleEF	OBUS	0.06	0.03
tbIVehicleEF	OBUS	3.0000e-003	0.02
tbIVehicleEF	OBUS	2.4010e-003	0.07
tbIVehicleEF	OBUS	7.8200e-004	0.26
tbIVehicleEF	OBUS	2.2200e-003	1.9300e-004
tbIVehicleEF	OBUS	0.02	8.2800e-003
tbIVehicleEF	OBUS	0.03	0.45

tbIVehicleEF	OBUS	1.1540e-003	9.0000e-006
tbIVehicleEF	OBUS	0.04	1.47
tbIVehicleEF	OBUS	0.04	6.3020e-003
tbIVehicleEF	OBUS	0.31	0.75
tbIVehicleEF	OBUS	9.3400e-004	0.58
tbIVehicleEF	OBUS	0.01	0.80
tbIVehicleEF	OBUS	7.7100e-004	2.26
tbIVehicleEF	OBUS	2.2200e-003	94.66
tbIVehicleEF	OBUS	0.02	1.9700e-004
tbIVehicleEF	OBUS	0.05	8.5200e-004
tbIVehicleEF	OBUS	1.1540e-003	8.3860e-003
tbIVehicleEF	OBUS	0.05	0.06
tbIVehicleEF	OBUS	0.04	0.01
tbIVehicleEF	OBUS	0.34	6.5870e-003
tbIVehicleEF	OBUS	0.01	5.7950e-003
tbIVehicleEF	OBUS	6.0410e-003	0.89
tbIVehicleEF	OBUS	0.03	0.02
tbIVehicleEF	OBUS	0.25	0.96
tbIVehicleEF	OBUS	0.45	1,854.49
tbIVehicleEF	OBUS	5.28	0.01
tbIVehicleEF	OBUS	85.94	9.2400e-004
tbIVehicleEF	OBUS	1,229.05	0.27
tbIVehicleEF	OBUS	68.41	0.06
tbIVehicleEF	OBUS	0.18	1.1010e-003
tbIVehicleEF	OBUS	0.63	0.11
tbIVehicleEF	OBUS	2.34	0.07
tbIVehicleEF	OBUS	2.1000e-005	9.2500e-004
tbIVehicleEF	OBUS	0.13	1.11
tbIVehicleEF	OBUS	0.01	0.08

tbIVehicleEF	OBUS	2.5270e-003	0.16
tbIVehicleEF	OBUS	8.5100e-004	0.04
tbIVehicleEF	OBUS	2.0000e-005	1.1750e-003
tbIVehicleEF	OBUS	0.06	0.02
tbIVehicleEF	OBUS	3.0000e-003	0.01
tbIVehicleEF	OBUS	2.4010e-003	0.07
tbIVehicleEF	OBUS	7.8200e-004	0.28
tbIVehicleEF	OBUS	1.5070e-003	1.9300e-004
tbIVehicleEF	OBUS	0.02	8.2800e-003
tbIVehicleEF	OBUS	0.03	0.47
tbIVehicleEF	OBUS	7.7100e-004	9.0000e-006
tbIVehicleEF	OBUS	0.04	1.54
tbIVehicleEF	OBUS	0.04	8.9540e-003
tbIVehicleEF	OBUS	0.33	0.76
tbIVehicleEF	OBUS	8.3200e-004	0.62
tbIVehicleEF	OBUS	0.01	0.79
tbIVehicleEF	OBUS	7.7700e-004	2.42
tbIVehicleEF	OBUS	1.5070e-003	94.65
tbIVehicleEF	OBUS	0.02	1.9700e-004
tbIVehicleEF	OBUS	0.05	8.5200e-004
tbIVehicleEF	OBUS	7.7100e-004	8.3860e-003
tbIVehicleEF	OBUS	0.05	0.06
tbIVehicleEF	OBUS	0.04	0.01
tbIVehicleEF	OBUS	0.36	9.3590e-003
tbIVehicleEF	SBUS	0.83	0.07
tbIVehicleEF	SBUS	0.01	7.0580e-003
tbIVehicleEF	SBUS	0.06	6.2120e-003
tbIVehicleEF	SBUS	8.05	2.77
tbIVehicleEF	SBUS	0.70	0.59

tbIVehicleEF	SBUS	7.21	0.85
tbIVehicleEF	SBUS	1,117.62	351.72
tbIVehicleEF	SBUS	1,084.59	1,109.67
tbIVehicleEF	SBUS	55.10	5.24
tbIVehicleEF	SBUS	8.67	3.22
tbIVehicleEF	SBUS	3.92	4.87
tbIVehicleEF	SBUS	12.12	0.88
tbIVehicleEF	SBUS	8.2760e-003	4.1230e-003
tbIVehicleEF	SBUS	0.01	0.01
tbIVehicleEF	SBUS	0.02	0.03
tbIVehicleEF	SBUS	7.8500e-004	5.1000e-005
tbIVehicleEF	SBUS	7.9180e-003	3.9440e-003
tbIVehicleEF	SBUS	2.6790e-003	2.6820e-003
tbIVehicleEF	SBUS	0.02	0.03
tbIVehicleEF	SBUS	7.2200e-004	4.7000e-005
tbIVehicleEF	SBUS	3.5810e-003	9.0700e-004
tbIVehicleEF	SBUS	0.03	7.8550e-003
tbIVehicleEF	SBUS	0.96	0.32
tbIVehicleEF	SBUS	1.9090e-003	4.8200e-004
tbIVehicleEF	SBUS	0.10	0.10
tbIVehicleEF	SBUS	0.01	0.05
tbIVehicleEF	SBUS	0.38	0.04
tbIVehicleEF	SBUS	0.01	3.3550e-003
tbIVehicleEF	SBUS	0.01	0.01
tbIVehicleEF	SBUS	6.7600e-004	5.2000e-005
tbIVehicleEF	SBUS	3.5810e-003	9.0700e-004
tbIVehicleEF	SBUS	0.03	7.8550e-003
tbIVehicleEF	SBUS	1.38	0.46
tbIVehicleEF	SBUS	1.9090e-003	4.8200e-004

tbIVehicleEF	SBUS	0.12	0.11
tbIVehicleEF	SBUS	0.01	0.05
tbIVehicleEF	SBUS	0.42	0.04
tbIVehicleEF	SBUS	0.83	7.9680e-003
tbIVehicleEF	SBUS	0.01	3.57
tbIVehicleEF	SBUS	0.06	7.9970e-003
tbIVehicleEF	SBUS	7.94	1.24
tbIVehicleEF	SBUS	0.71	3,371.97
tbIVehicleEF	SBUS	5.75	5.9880e-003
tbIVehicleEF	SBUS	1,167.88	1.4740e-003
tbIVehicleEF	SBUS	1,084.59	0.43
tbIVehicleEF	SBUS	55.10	0.11
tbIVehicleEF	SBUS	8.95	1.3830e-003
tbIVehicleEF	SBUS	3.70	0.78
tbIVehicleEF	SBUS	12.09	0.17
tbIVehicleEF	SBUS	6.9770e-003	6.7400e-004
tbIVehicleEF	SBUS	0.74	5.14
tbIVehicleEF	SBUS	0.01	0.11
tbIVehicleEF	SBUS	0.02	0.13
tbIVehicleEF	SBUS	7.8500e-004	5.2810e-003
tbIVehicleEF	SBUS	6.6750e-003	1.9990e-003
tbIVehicleEF	SBUS	0.32	0.02
tbIVehicleEF	SBUS	2.6790e-003	7.7120e-003
tbIVehicleEF	SBUS	0.02	0.10
tbIVehicleEF	SBUS	7.2200e-004	0.05
tbIVehicleEF	SBUS	5.4810e-003	2.8700e-004
tbIVehicleEF	SBUS	0.03	0.04
tbIVehicleEF	SBUS	0.95	3.29
tbIVehicleEF	SBUS	2.8990e-003	1.2000e-005

tbIVehicleEF	SBUS	0.10	4.59
tbIVehicleEF	SBUS	0.01	0.04
tbIVehicleEF	SBUS	0.34	0.87
tbIVehicleEF	SBUS	0.01	2.74
tbIVehicleEF	SBUS	0.01	0.60
tbIVehicleEF	SBUS	6.5100e-004	0.69
tbIVehicleEF	SBUS	5.4810e-003	118.27
tbIVehicleEF	SBUS	0.03	5.1000e-005
tbIVehicleEF	SBUS	1.38	3.2450e-003
tbIVehicleEF	SBUS	2.8990e-003	0.08
tbIVehicleEF	SBUS	0.12	0.32
tbIVehicleEF	SBUS	0.01	0.01
tbIVehicleEF	SBUS	0.37	0.04
tbIVehicleEF	SBUS	0.83	9.1700e-003
tbIVehicleEF	SBUS	0.01	3.57
tbIVehicleEF	SBUS	0.06	8.2560e-003
tbIVehicleEF	SBUS	8.20	1.32
tbIVehicleEF	SBUS	0.70	3,202.19
tbIVehicleEF	SBUS	7.43	5.9530e-003
tbIVehicleEF	SBUS	1,048.22	1.5370e-003
tbIVehicleEF	SBUS	1,084.59	0.40
tbIVehicleEF	SBUS	55.10	0.11
tbIVehicleEF	SBUS	8.29	1.5910e-003
tbIVehicleEF	SBUS	3.86	0.77
tbIVehicleEF	SBUS	12.12	0.17
tbIVehicleEF	SBUS	0.01	4.6300e-004
tbIVehicleEF	SBUS	0.74	5.15
tbIVehicleEF	SBUS	0.01	0.11
tbIVehicleEF	SBUS	0.02	0.18

tbIVehicleEF	SBUS	7.8500e-004	3.6810e-003
tbIVehicleEF	SBUS	9.6340e-003	2.0640e-003
tbIVehicleEF	SBUS	0.32	0.01
tbIVehicleEF	SBUS	2.6790e-003	5.2960e-003
tbIVehicleEF	SBUS	0.02	0.11
tbIVehicleEF	SBUS	7.2200e-004	0.06
tbIVehicleEF	SBUS	3.5300e-003	2.8700e-004
tbIVehicleEF	SBUS	0.03	0.04
tbIVehicleEF	SBUS	0.96	3.13
tbIVehicleEF	SBUS	1.8720e-003	1.2000e-005
tbIVehicleEF	SBUS	0.10	4.79
tbIVehicleEF	SBUS	0.02	0.06
tbIVehicleEF	SBUS	0.39	0.88
tbIVehicleEF	SBUS	0.01	2.83
tbIVehicleEF	SBUS	0.01	0.58
tbIVehicleEF	SBUS	6.7900e-004	0.88
tbIVehicleEF	SBUS	3.5300e-003	118.27
tbIVehicleEF	SBUS	0.03	5.1000e-005
tbIVehicleEF	SBUS	1.39	3.2450e-003
tbIVehicleEF	SBUS	1.8720e-003	0.08
tbIVehicleEF	SBUS	0.12	0.32
tbIVehicleEF	SBUS	0.02	0.01
tbIVehicleEF	SBUS	0.43	0.06
tbIVehicleEF	UBUS	2.23	5.80
tbIVehicleEF	UBUS	0.06	0.01
tbIVehicleEF	UBUS	10.02	45.07
tbIVehicleEF	UBUS	10.14	0.71
tbIVehicleEF	UBUS	1,910.27	1,988.80
tbIVehicleEF	UBUS	112.81	8.53

tbIVehicleEF	UBUS	7.96	0.48
tbIVehicleEF	UBUS	14.44	0.08
tbIVehicleEF	UBUS	0.58	0.07
tbIVehicleEF	UBUS	0.01	0.03
tbIVehicleEF	UBUS	0.10	3.2120e-003
tbIVehicleEF	UBUS	1.2160e-003	4.6000e-005
tbIVehicleEF	UBUS	0.25	0.03
tbIVehicleEF	UBUS	3.0000e-003	7.9830e-003
tbIVehicleEF	UBUS	0.10	3.0700e-003
tbIVehicleEF	UBUS	1.1180e-003	4.2000e-005
tbIVehicleEF	UBUS	4.9050e-003	6.1100e-004
tbIVehicleEF	UBUS	0.08	8.4590e-003
tbIVehicleEF	UBUS	2.8380e-003	4.9000e-004
tbIVehicleEF	UBUS	0.70	0.08
tbIVehicleEF	UBUS	0.03	0.05
tbIVehicleEF	UBUS	0.79	0.05
tbIVehicleEF	UBUS	9.5820e-003	1.5580e-003
tbIVehicleEF	UBUS	1.3110e-003	8.4000e-005
tbIVehicleEF	UBUS	4.9050e-003	6.1100e-004
tbIVehicleEF	UBUS	0.08	8.4590e-003
tbIVehicleEF	UBUS	2.8380e-003	4.9000e-004
tbIVehicleEF	UBUS	3.01	5.92
tbIVehicleEF	UBUS	0.03	0.05
tbIVehicleEF	UBUS	0.86	0.05
tbIVehicleEF	UBUS	0.00	0.01
tbIVehicleEF	UBUS	2.23	0.00
tbIVehicleEF	UBUS	0.05	8.7350e-003
tbIVehicleEF	UBUS	0.00	2.10
tbIVehicleEF	UBUS	10.08	0.00

tbIVehicleEF	UBUS	8.80	0.67
tbIVehicleEF	UBUS	0.00	1.7650e-003
tbIVehicleEF	UBUS	1,910.27	0.00
tbIVehicleEF	UBUS	112.81	2.0170e-003
tbIVehicleEF	UBUS	0.00	2.5820e-003
tbIVehicleEF	UBUS	7.50	0.00
tbIVehicleEF	UBUS	14.38	4.3400e-003
tbIVehicleEF	UBUS	0.00	6.8000e-004
tbIVehicleEF	UBUS	0.58	0.00
tbIVehicleEF	UBUS	0.01	5.92
tbIVehicleEF	UBUS	0.10	0.03
tbIVehicleEF	UBUS	1.2160e-003	3.5700e-003
tbIVehicleEF	UBUS	0.00	2.1840e-003
tbIVehicleEF	UBUS	0.25	2.5140e-003
tbIVehicleEF	UBUS	3.0000e-003	1.9150e-003
tbIVehicleEF	UBUS	0.10	0.03
tbIVehicleEF	UBUS	1.1180e-003	0.05
tbIVehicleEF	UBUS	7.1810e-003	9.1000e-005
tbIVehicleEF	UBUS	0.08	1.5700e-004
tbIVehicleEF	UBUS	4.1630e-003	1.0000e-005
tbIVehicleEF	UBUS	0.71	0.48
tbIVehicleEF	UBUS	0.02	0.00
tbIVehicleEF	UBUS	0.72	0.08
tbIVehicleEF	UBUS	9.5830e-003	45.07
tbIVehicleEF	UBUS	1.2880e-003	0.62
tbIVehicleEF	UBUS	7.1810e-003	53.30
tbIVehicleEF	UBUS	0.08	4.6000e-005
tbIVehicleEF	UBUS	0.00	4.2000e-005
tbIVehicleEF	UBUS	4.1630e-003	3.2690e-003

tbIVehicleEF	UBUS	3.02	0.03
tbIVehicleEF	UBUS	0.02	1.4510e-003
tbIVehicleEF	UBUS	0.79	0.00
tbIVehicleEF	UBUS	0.00	0.01
tbIVehicleEF	UBUS	2.23	0.00
tbIVehicleEF	UBUS	0.06	9.0200e-003
tbIVehicleEF	UBUS	0.00	2.14
tbIVehicleEF	UBUS	10.01	0.00
tbIVehicleEF	UBUS	10.32	0.67
tbIVehicleEF	UBUS	0.00	1.8120e-003
tbIVehicleEF	UBUS	1,910.27	0.00
tbIVehicleEF	UBUS	112.81	1.9670e-003
tbIVehicleEF	UBUS	0.00	2.8220e-003
tbIVehicleEF	UBUS	7.81	0.00
tbIVehicleEF	UBUS	14.45	4.5080e-003
tbIVehicleEF	UBUS	0.00	4.6500e-004
tbIVehicleEF	UBUS	0.58	0.00
tbIVehicleEF	UBUS	0.01	5.92
tbIVehicleEF	UBUS	0.10	0.05
tbIVehicleEF	UBUS	1.2160e-003	2.3810e-003
tbIVehicleEF	UBUS	0.00	2.2550e-003
tbIVehicleEF	UBUS	0.25	1.6770e-003
tbIVehicleEF	UBUS	3.0000e-003	1.3100e-003
tbIVehicleEF	UBUS	0.10	0.04
tbIVehicleEF	UBUS	1.1180e-003	0.07
tbIVehicleEF	UBUS	5.4680e-003	9.1000e-005
tbIVehicleEF	UBUS	0.09	1.5700e-004
tbIVehicleEF	UBUS	2.9720e-003	1.0000e-005
tbIVehicleEF	UBUS	0.70	0.48

tbIVehicleEF	UBUS	0.03	0.00
tbIVehicleEF	UBUS	0.80	0.08
tbIVehicleEF	UBUS	9.5820e-003	45.07
tbIVehicleEF	UBUS	1.3140e-003	0.72
tbIVehicleEF	UBUS	5.4680e-003	53.30
tbIVehicleEF	UBUS	0.09	4.6000e-005
tbIVehicleEF	UBUS	0.00	4.2000e-005
tbIVehicleEF	UBUS	2.9720e-003	3.2690e-003
tbIVehicleEF	UBUS	3.01	0.03
tbIVehicleEF	UBUS	0.03	1.4510e-003
tbIVehicleEF	UBUS	0.88	0.00
tbIVehicleTrips	SU_TR	16.74	19.50
tbIVehicleTrips	WD_TR	1.89	34.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.9524	48.0517	33.8922	0.0876	6.5307	2.0342	8.1361	3.4393	1.8716	4.9168	0.0000	8,537.9731	8,537.9731	2.4986	0.0000	8,600.4389
2022	4.2600	38.9398	31.8342	0.0874	0.6294	1.6168	2.2462	0.1695	1.4876	1.6571	0.0000	8,520.1286	8,520.1286	2.4974	0.0000	8,582.5633
Maximum	4.9524	48.0517	33.8922	0.0876	6.5307	2.0342	8.1361	3.4393	1.8716	4.9168	0.0000	8,537.9731	8,537.9731	2.4986	0.0000	8,600.4389

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2021	4.9524	48.0517	33.8922	0.0876	2.8249	2.0342	4.4303	1.4166	1.8716	2.8941	0.0000	8,537.9731	8,537.9731	2.4986	0.0000	8,600.4389
2022	4.2600	38.9398	31.8342	0.0874	0.6294	1.6168	2.2462	0.1695	1.4876	1.6571	0.0000	8,520.1286	8,520.1286	2.4974	0.0000	8,582.5632
Maximum	4.9524	48.0517	33.8922	0.0876	2.8249	2.0342	4.4303	1.4166	1.8716	2.8941	0.0000	8,537.9731	8,537.9731	2.4986	0.0000	8,600.4389

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	51.76	0.00	35.69	56.05	0.00	30.77	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.3691	0.0185	472.5784	1.9533	0.7413	0.5997	1.3410	0.9324	0.5107	1.4431		0.0803	0.0803	0.2182		5.5360
Total	0.3747	0.0185	472.5786	1.9533	0.7413	0.5997	1.3410	0.9324	0.5107	1.4431		0.0809	0.0809	0.2182	0.0000	5.5366

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	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.3691	0.0185	472.5784	1.9533	0.7413	0.5997	1.3410	0.9324	0.5107	1.4431		0.0803	0.0803	0.2182		5.5360
Total	0.3747	0.0185	472.5786	1.9533	0.7413	0.5997	1.3410	0.9324	0.5107	1.4431		0.0809	0.0809	0.2182	0.0000	5.5366

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Clearing and Grubbing	Site Preparation	7/1/2021	7/28/2021	5	20	
2	Grading	Grading	7/29/2021	10/20/2021	5	60	
3	Paving and Construction	Building Construction	10/21/2021	2/9/2022	5	80	
4	Landscaping	Building Construction	2/10/2022	6/15/2022	5	90	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 3

Acres of Paving: 0

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Clearing and Grubbing	Excavators	1	8.00	158	0.38
Clearing and Grubbing	Graders	0	8.00	187	0.41
Clearing and Grubbing	Off-Highway Trucks	2	8.00	402	0.38
Clearing and Grubbing	Rubber Tired Dozers	1	8.00	247	0.40
Clearing and Grubbing	Scrapers	0	8.00	367	0.48
Clearing and Grubbing	Sweepers/Scrubbers	1	8.00	64	0.46
Clearing and Grubbing	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	0	8.00	187	0.41
Grading	Off-Highway Trucks	2	8.00	402	0.38
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	1	8.00	367	0.48
Grading	Sweepers/Scrubbers	1	8.00	64	0.46
Grading	Tractors/Loaders/Backhoes	0	7.00	97	0.37
Paving and Construction	Cranes	0	8.00	231	0.29
Paving and Construction	Excavators	1	8.00	158	0.38
Paving and Construction	Forklifts	0	7.00	89	0.20
Paving and Construction	Generator Sets	0	8.00	84	0.74
Paving and Construction	Off-Highway Trucks	3	8.00	402	0.38
Paving and Construction	Pavers	1	8.00	130	0.42
Paving and Construction	Rollers	1	8.00	80	0.38
Paving and Construction	Rubber Tired Dozers	1	8.00	247	0.40
Paving and Construction	Scrapers	1	8.00	367	0.48
Paving and Construction	Sweepers/Scrubbers	1	8.00	64	0.46
Paving and Construction	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Paving and Construction	Welders	0	8.00	46	0.45
Landscaping	Air Compressors	0	6.00	78	0.48

Landscaping	Cranes	0	8.00	231	0.29
Landscaping	Forklifts	0	7.00	89	0.20
Landscaping	Generator Sets	0	8.00	84	0.74
Landscaping	Skid Steer Loaders	1	8.00	65	0.37
Landscaping	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Landscaping	Welders	0	8.00	46	0.45

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
Clearing and Grubbing	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	989.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving and Construction	9	46.00	18.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Landscaping	2	46.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Clearing and Grubbing - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2607	0.0000	6.2607	3.3360	0.0000	3.3360			0.0000			0.0000
Off-Road	2.8798	27.3674	18.4470	0.0454		1.2721	1.2721		1.1704	1.1704		4,394.054	4,394.054	1.4211		4,429.582
												1	1			3
Total	2.8798	27.3674	18.4470	0.0454	6.2607	1.2721	7.5328	3.3360	1.1704	4.5063		4,394.054	4,394.054	1.4211		4,429.582
												1	1			3

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	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4417	0.0000	2.4417	1.3010	0.0000	1.3010			0.0000			0.0000
Off-Road	2.8798	27.3674	18.4470	0.0454		1.2721	1.2721		1.1704	1.1704	0.0000	4,394.0541	4,394.0541	1.4211		4,429.5823
Total	2.8798	27.3674	18.4470	0.0454	2.4417	1.2721	3.7138	1.3010	1.1704	2.4714	0.0000	4,394.0541	4,394.0541	1.4211		4,429.5823

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	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274

3.3 Grading - 2021

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.0751	0.0000	6.0751	3.3160	0.0000	3.3160			0.0000			0.0000
Off-Road	3.6454	36.4114	23.4740	0.0578		1.5907	1.5907		1.4634	1.4634		5,598.678 1	5,598.678 1	1.8107		5,643.946 2
Total	3.6454	36.4114	23.4740	0.0578	6.0751	1.5907	7.6658	3.3160	1.4634	4.7794		5,598.678 1	5,598.678 1	1.8107		5,643.946 2

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	0.1285	4.3265	1.0058	0.0124	0.2879	0.0135	0.3014	0.0789	0.0129	0.0918		1,349.913 3	1,349.913 3	0.1004		1,352.423 8

Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	0.1977	4.3715	1.5156	0.0140	0.4556	0.0148	0.4703	0.1234	0.0141	0.1374		1,505.6360	1,505.6360	0.1046		1,508.2512

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3693	0.0000	2.3693	1.2932	0.0000	1.2932			0.0000			0.0000
Off-Road	3.6454	36.4114	23.4740	0.0578		1.5907	1.5907		1.4634	1.4634	0.0000	5,598.6781	5,598.6781	1.8107		5,643.9462
Total	3.6454	36.4114	23.4740	0.0578	2.3693	1.5907	3.9600	1.2932	1.4634	2.7567	0.0000	5,598.6781	5,598.6781	1.8107		5,643.9462

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	0.1285	4.3265	1.0058	0.0124	0.2879	0.0135	0.3014	0.0789	0.0129	0.0918		1,349.9133	1,349.9133	0.1004		1,352.4238
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0692	0.0450	0.5098	1.5600e-003	0.1677	1.2400e-003	0.1689	0.0445	1.1400e-003	0.0456		155.7227	155.7227	4.1900e-003		155.8274
Total	0.1977	4.3715	1.5156	0.0140	0.4556	0.0148	0.4703	0.1234	0.0141	0.1374		1,505.6360	1,505.6360	0.1046		1,508.2512

3.4 Paving and 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	4.6870	46.1940	31.8636	0.0783		2.0268	2.0268		1.8647	1.8647		7,586.3508	7,586.3508	2.4536		7,647.6903
Total	4.6870	46.1940	31.8636	0.0783		2.0268	2.0268		1.8647	1.8647		7,586.3508	7,586.3508	2.4536		7,647.6903

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	0.0532	1.7198	0.4653	4.4300e-003	0.1152	3.6300e-003	0.1188	0.0332	3.4700e-003	0.0366		474.0728	474.0728	0.0322		474.8780
Worker	0.2121	0.1379	1.5634	4.7900e-003	0.5142	3.8100e-003	0.5180	0.1364	3.5000e-003	0.1399		477.5495	477.5495	0.0128		477.8706
Total	0.2653	1.8577	2.0287	9.2200e-003	0.6294	7.4400e-003	0.6368	0.1695	6.9700e-003	0.1765		951.6223	951.6223	0.0451		952.7486

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	4.6870	46.1940	31.8636	0.0783		2.0268	2.0268		1.8647	1.8647	0.0000	7,586.3508	7,586.3508	2.4536		7,647.6903
Total	4.6870	46.1940	31.8636	0.0783		2.0268	2.0268		1.8647	1.8647	0.0000	7,586.3508	7,586.3508	2.4536		7,647.6903

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	0.0532	1.7198	0.4653	4.4300e-003	0.1152	3.6300e-003	0.1188	0.0332	3.4700e-003	0.0366		474.0728	474.0728	0.0322		474.8780
Worker	0.2121	0.1379	1.5634	4.7900e-003	0.5142	3.8100e-003	0.5180	0.1364	3.5000e-003	0.1399		477.5495	477.5495	0.0128		477.8706
Total	0.2653	1.8577	2.0287	9.2200e-003	0.6294	7.4400e-003	0.6368	0.1695	6.9700e-003	0.1765		951.6223	951.6223	0.0451		952.7486

3.4 Paving and 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	4.0106	37.1829	29.9504	0.0784		1.6100	1.6100		1.4812	1.4812		7,589.8386	7,589.8386	2.4547		7,651.2063

Total	4.0106	37.1829	29.9504	0.0784		1.6100	1.6100		1.4812	1.4812		7,589.8386	7,589.8386	2.4547		7,651.2063
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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	0.0499	1.6323	0.4407	4.3900e-003	0.1152	3.1600e-003	0.1183	0.0332	3.0200e-003	0.0362		469.8398	469.8398	0.0311		470.6167
Worker	0.1995	0.1246	1.4432	4.6200e-003	0.5142	3.7000e-003	0.5179	0.1364	3.4000e-003	0.1398		460.4503	460.4503	0.0116		460.7403
Total	0.2495	1.7569	1.8839	9.0100e-003	0.6294	6.8600e-003	0.6362	0.1695	6.4200e-003	0.1759		930.2901	930.2901	0.0427		931.3570

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	4.0106	37.1829	29.9504	0.0784		1.6100	1.6100		1.4812	1.4812	0.0000	7,589.8386	7,589.8386	2.4547		7,651.2063
Total	4.0106	37.1829	29.9504	0.0784		1.6100	1.6100		1.4812	1.4812	0.0000	7,589.8386	7,589.8386	2.4547		7,651.2063

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	0.0499	1.6323	0.4407	4.3900e-003	0.1152	3.1600e-003	0.1183	0.0332	3.0200e-003	0.0362		469.8398	469.8398	0.0311		470.6167
Worker	0.1995	0.1246	1.4432	4.6200e-003	0.5142	3.7000e-003	0.5179	0.1364	3.4000e-003	0.1398		460.4503	460.4503	0.0116		460.7403
Total	0.2495	1.7569	1.8839	9.0100e-003	0.6294	6.8600e-003	0.6362	0.1695	6.4200e-003	0.1759		930.2901	930.2901	0.0427		931.3570

3.5 Landscaping - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.2343	2.6042	3.6251	5.1800e-003		0.1246	0.1246		0.1147	0.1147		501.6302	501.6302	0.1622		505.6861
Total	0.2343	2.6042	3.6251	5.1800e-003		0.1246	0.1246		0.1147	0.1147		501.6302	501.6302	0.1622		505.6861

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	0.0278	0.9068	0.2448	2.4400e-003	0.0640	1.7600e-003	0.0657	0.0184	1.6800e-003	0.0201		261.0221	261.0221	0.0173		261.4537
Worker	0.1995	0.1246	1.4432	4.6200e-003	0.5142	3.7000e-003	0.5179	0.1364	3.4000e-003	0.1398		460.4503	460.4503	0.0116		460.7403
Total	0.2273	1.0314	1.6880	7.0600e-003	0.5782	5.4600e-003	0.5836	0.1548	5.0800e-003	0.1599		721.4724	721.4724	0.0289		722.1940

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	0.2343	2.6042	3.6251	5.1800e-003		0.1246	0.1246		0.1147	0.1147	0.0000	501.6302	501.6302	0.1622		505.6861
Total	0.2343	2.6042	3.6251	5.1800e-003		0.1246	0.1246		0.1147	0.1147	0.0000	501.6302	501.6302	0.1622		505.6861

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	0.0278	0.9068	0.2448	2.4400e-003	0.0640	1.7600e-003	0.0657	0.0184	1.6800e-003	0.0201		261.0221	261.0221	0.0173		261.4537
Worker	0.1995	0.1246	1.4432	4.6200e-003	0.5142	3.7000e-003	0.5179	0.1364	3.4000e-003	0.1398		460.4503	460.4503	0.0116		460.7403
Total	0.2273	1.0314	1.6880	7.0600e-003	0.5782	5.4600e-003	0.5836	0.1548	5.0800e-003	0.1599		721.4724	721.4724	0.0289		722.1940

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Mitigated	0.3691	0.0185	472.5784	1.9533	0.7413	0.5997	1.3410	0.9324	0.5107	1.4431		0.0803	0.0803	0.2182			5.5360
Unmitigated	0.3691	0.0185	472.5784	1.9533	0.7413	0.5997	1.3410	0.9324	0.5107	1.4431		0.0803	0.0803	0.2182			5.5360

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	85.00	56.88	48.75	218,128	218,128
Total	85.00	56.88	48.75	218,128	218,128

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by

City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
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4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.552603	0.061033	0.186728	0.118579	0.023437	0.006039	0.017620	0.024846	0.001416	0.001678	0.004487	0.000623	0.000912

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

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					

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
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

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

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	5.5000e-004	5.5000e-004	0.0000			5.8000e-004

Unmitigated	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Total	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.6100e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004
Total	5.6300e-003	0.0000	2.6000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		5.5000e-004	5.5000e-004	0.0000		5.8000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Sidewalk Extension



Emissions Summary



Air Quality Construction Analysis

Unmitigated Construction Scenario

Regional	lbs/day					
	ROG	NOX	CO	SO2	PM10 Total	Total PM2.5
Site Preparation	0.7	8.2	6.1	0.0	0.7	0.4
Demolition	1.2	10.9	15.4	0.0	0.8	0.6
Utility Relocation	1.1	8.1	7.1	0.0	0.4	0.3
Storm Drain Construction	1.1	8.1	11.0	0.0	0.7	0.4
Sidewalk Construction (Newport)	0.5	4.5	5.5	0.0	0.5	0.3
Sidewalk Construction (Crawford)	0.6	4.8	5.7	0.0	0.5	0.3
Traffic Signal Modification	1.1	10.9	8.8	0.0	0.7	0.5
Paving	0.8	7.6	10.3	0.0	0.6	0.4
Daily Maximum Emissions	1.2	10.9	15.4	0.0	0.8	0.6
SCAQMD Regional Threshold	75	100	550	150	150	55
Exceeds Threshold?	No	No	No	No	No	No

Air Quality Construction Analysis

Unmitigated Construction Scenario				
Localized Emissions Summary	NOX	CO	PM10 Total	Total PM2.5
0	lb/hr			
Site Preparation	8.2	5.6	0.5	0.3
Demolition	10.3	14.5	0.5	0.5
Utility Relocation	8.1	6.8	0.3	0.3
Storm Drain Construction	7.1	9.5	0.3	0.3
Sidewalk Construction (Newport)	3.5	4.3	0.2	0.2
Sidewalk Construction (Crawford)	3.8	4.5	0.2	0.2
Traffic Signal Modification	9.9	7.5	0.4	0.4
Paving	7.6	9.8	0.4	0.4
Daily Maximum Emissions	10.3	14.5	0.5	0.5
SCAQMD Localized Threshold	131	993	6	4
Exceeds Threshold?	No	No	No	No

Air Quality Construction Analysis

summer	Onsite Construction Emissions (CalEEMod) + Onsite Idling (EMFAC2017)										Offsite Construction Emissions - Running (EMFAC2017)									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
Site Preparation	0.70	8.19	5.64	0.01	0.21	0.32	0.53	0.02	0.30	0.32	0.01	0.03	0.47	0.00	0.18	0.00	0.18	0.05	0.00	0.05
Demolition	1.21	10.32	14.52	0.02	0.00	0.54	0.54	0.00	0.52	0.52	0.03	0.62	0.91	0.00	0.28	0.00	0.28	0.07	0.00	0.08
Utility Relocation	1.06	8.07	6.75	0.03	0.00	0.29	0.29	0.00	0.27	0.27	0.01	0.02	0.35	0.00	0.13	0.00	0.13	0.04	0.00	0.04
Storm Drain Construction	1.04	7.12	9.52	0.01	0.00	0.33	0.33	0.00	0.32	0.32	0.06	1.01	1.43	0.01	0.36	0.00	0.36	0.10	0.00	0.10
Sidewalk Construction (Newport)	0.48	3.54	4.28	0.01	0.00	0.18	0.18	0.00	0.18	0.18	0.06	1.00	1.20	0.00	0.27	0.00	0.27	0.07	0.00	0.08
Sidewalk Construction (Crawford)	0.52	3.79	4.49	0.01	0.00	0.19	0.19	0.00	0.19	0.19	0.06	1.00	1.20	0.00	0.27	0.00	0.27	0.07	0.00	0.08
Traffic Signal Modification	1.07	9.89	7.51	0.02	0.00	0.41	0.41	0.00	0.38	0.38	0.06	1.01	1.32	0.01	0.31	0.00	0.32	0.08	0.00	0.09
Paving	0.77	7.61	9.84	0.02	0.00	0.39	0.39	0.00	0.36	0.36	0.01	0.03	0.47	0.00	0.18	0.00	0.18	0.05	0.00	0.05
Regional Emissions - ALL	Regional Emissions (On-Site Construction + Worker + Visitors +Vendor+Haul)																			
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5										
Site Preparation	0.71	8.22	6.10	0.01	0.39	0.33	0.71	0.07	0.30	0.37										
Demolition	1.24	10.94	15.42	0.03	0.28	0.55	0.82	0.07	0.53	0.60										
Utility Relocation	1.07	8.09	7.10	0.03	0.13	0.29	0.43	0.04	0.27	0.31										
Storm Drain Construction	1.10	8.14	10.95	0.02	0.36	0.34	0.69	0.10	0.32	0.42										
Sidewalk Construction (Newport)	0.53	4.54	5.48	0.01	0.27	0.18	0.45	0.07	0.18	0.26										
Sidewalk Construction (Crawford)	0.57	4.79	5.69	0.01	0.27	0.19	0.46	0.07	0.19	0.27										
Traffic Signal Modification	1.13	10.90	8.82	0.03	0.31	0.41	0.73	0.08	0.38	0.47										
Paving	0.78	7.64	10.30	0.02	0.18	0.39	0.57	0.05	0.36	0.41										
Maximum Daily Emissions	1.24	10.94	15.42	0.03	0.39	0.55	0.82	0.10	0.53	0.60										

Air Quality Construction Analysis

Winter	Onsite Construction Emissions (CalEEMod) + Onsite Idling (EMFAC2017)										Offsite Construction Emissions - Running (EMFAC2017)									
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5
	lb/day										lb/day									
Site Preparation	0.70	8.19	5.64	0.01	0.21	0.32	0.53	0.02	0.30	0.32	0.01	0.03	0.47	0.00	0.18	0.00	0.18	0.05	0.00	0.05
Demolition	1.21	10.32	14.52	0.02	0.00	0.54	0.54	0.00	0.52	0.52	0.03	0.62	0.91	0.00	0.28	0.00	0.28	0.07	0.00	0.08
Utility Relocation	1.06	8.07	6.75	0.03	0.00	0.29	0.29	0.00	0.27	0.27	0.01	0.02	0.35	0.00	0.13	0.00	0.13	0.04	0.00	0.04
Storm Drain Construction	1.04	7.12	9.52	0.01	0.00	0.33	0.33	0.00	0.32	0.32	0.06	1.01	1.43	0.01	0.36	0.00	0.36	0.10	0.00	0.10
Sidewalk Construction (Newport)	0.48	3.54	4.28	0.01	0.00	0.18	0.18	0.00	0.18	0.18	0.06	1.00	1.20	0.00	0.27	0.00	0.27	0.07	0.00	0.08
Sidewalk Construction (Crawford)	0.52	3.79	4.49	0.01	0.00	0.19	0.19	0.00	0.19	0.19	0.06	1.00	1.20	0.00	0.27	0.00	0.27	0.07	0.00	0.08
Traffic Signal Modification	1.07	9.89	7.51	0.02	0.00	0.41	0.41	0.00	0.38	0.38	0.06	1.01	1.32	0.01	0.31	0.00	0.32	0.08	0.00	0.09
Paving	0.77	7.61	9.84	0.02	0.00	0.39	0.39	0.00	0.36	0.36	0.01	0.03	0.47	0.00	0.18	0.00	0.18	0.05	0.00	0.05
Regional Emissions - ALL	Regional Emissions (On-Site Construction + Worker + Visitors +Vendor+Haul)																			
	ROG	NOX	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	Total PM2.5										
Site Preparation	0.71	8.22	6.10	0.01	0.39	0.33	0.71	0.07	0.30	0.37										
Demolition	1.24	10.94	15.42	0.03	0.28	0.55	0.82	0.07	0.53	0.60										
Utility Relocation	1.07	8.09	7.10	0.03	0.13	0.29	0.43	0.04	0.27	0.31										
Storm Drain Construction	1.10	8.14	10.95	0.02	0.36	0.34	0.69	0.10	0.32	0.42										
Sidewalk Construction (Newport)	0.53	4.54	5.48	0.01	0.27	0.18	0.45	0.07	0.18	0.26										
Sidewalk Construction (Crawford)	0.57	4.79	5.69	0.01	0.27	0.19	0.46	0.07	0.19	0.27										
Traffic Signal Modification	1.13	10.90	8.82	0.03	0.31	0.41	0.73	0.08	0.38	0.47										
Paving	0.78	7.64	10.30	0.02	0.18	0.39	0.57	0.05	0.36	0.41										
Maximum Daily Emissions	1.24	10.94	15.42	0.03	0.39	0.55	0.82	0.10	0.53	0.60										

Greenhouse Gas Emissions

Construction Summary		Onsite	Mobile	Total
Site Preparation	2022	3.21	0.41	4
Demolition	2022	15.14	2.92	18
Utility Relocation	2022	12.93	0.57	13
Storm Drain Construction	2022	19.87	9.15	29
Sidewalk Construction (Newport)	2022	5.04	3.89	9
Sidewalk Construction (Crawford)	2022	5.29	3.89	9
Traffic Signal Modification	2022	10.79	2.86	14
Paving	2022	10.65	0.07	11
			Total	107
			Amortized	3.56

Onroad Emissions



Total On-Road Emissions

Total On-Road Emissions

Construction Phase	260 Max construction days per year					Regional Emissions (pounds/day)											(MT/yr) Total CO2e
	Daily One-Way Trips	Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Idling per Day (minutes)	ROG	NOX	CO	SO2	PM10 Dust	PM10 Exh	Total PM10	PM2.5 Dust	PM2.5 Exh	Total PM2.5		
Site Preparation																	
Total Haul Trips	0																
2022 Hauling Hauling	0	6	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022 Vendor Vendor	0	6	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022 Worker Worker	16	6	8	14.7	0	0.01	0.03	0.47	0.00	0.18	0.00	0.18	0.05	0.00	0.05	0.41	
Onroad Emissions - Site Preparation						0.01	0.03	0.47	0.00	0.18	0.00	0.18	0.05	0.00	0.05	0.41	
Demolition																	
Total Haul Trips	32																
2022 Hauling Hauling	3	15	8	20	15	0.02	0.58	0.32	0.00	0.05	0.00	0.06	0.01	0.00	0.02	1.63	
2022 Vendor Vendor	0	15	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022 Worker Worker	20	15	8	14.7	0	0.01	0.04	0.58	0.00	0.22	0.00	0.22	0.06	0.00	0.06	1.29	
Onroad Emissions - Demolition						0.03	0.62	0.91	0.00	0.28	0.00	0.28	0.07	0.00	0.08	2.92	
Utility Relocation																	
Total Haul Trips	0																
2022 Hauling Hauling	0	11	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022 Vendor Vendor	0	11	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022 Worker Worker	12	11	8	14.7	0	0.01	0.02	0.35	0.00	0.13	0.00	0.13	0.04	0.00	0.04	0.57	
Onroad Emissions - Utility Relocation						0.01	0.02	0.35	0.00	0.13	0.00	0.13	0.04	0.00	0.04	0.57	
Storm Drain Construction																	
Total Haul Trips	0																
2022 Hauling Hauling	0	33	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022 Vendor Vendor	14	33	8	6.9	15	0.05	0.97	0.74	0.00	0.09	0.00	0.09	0.03	0.00	0.03	5.75	
2022 Worker Worker	24	33	8	14.7	0	0.01	0.05	0.70	0.00	0.27	0.00	0.27	0.07	0.00	0.07	3.41	
Onroad Emissions - Storm Drain Construction						0.06	1.01	1.43	0.01	0.36	0.00	0.36	0.10	0.00	0.10	9.15	
Sidewalk Construction (Newport)																	
Total Haul Trips	0															13.05	
2022 Hauling Hauling	0	16	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022 Vendor Vendor	14	16	8	6.9	15	0.05	0.97	0.74	0.00	0.09	0.00	0.09	0.03	0.00	0.03	2.79	
2022 Worker Worker	16	16	8	14.7	0	0.01	0.03	0.47	0.00	0.18	0.00	0.18	0.05	0.00	0.05	1.10	
Onroad Emissions - Sidewalk Construction (Newport)						0.06	1.00	1.20	0.00	0.27	0.00	0.27	0.07	0.00	0.08	3.89	
Sidewalk Construction (Crawford)																	
Total Haul Trips	0																
2022 Hauling Hauling	0	16	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022 Vendor Vendor	14	16	8	6.9	15	0.05	0.97	0.74	0.00	0.00	0.00	2.67	0.00	0.11	2.79	0.00	
2022 Worker Worker	16	16	8	14.7	0	0.01	0.03	0.47	0.00	0.00	0.00	1.09	0.00	0.01	1.10	0.00	
Onroad Emissions - Sidewalk Construction (Crawford)						0.06	1.00	1.20	0.00	0.00	0.00	3.77	0.00	0.12	3.89	0.00	
Traffic Signal Modification																	
Total Haul Trips	0																
2022 Hauling Hauling	0	11	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2022 Vendor Vendor	14	11	8	6.9	15	0.05	0.97	0.74	0.00	0.09	0.00	0.09	0.03	0.00	0.03	1.92	
2022 Worker Worker	20	11	8	14.7	0	0.01	0.04	0.58	0.00	0.22	0.00	0.22	0.06	0.00	0.06	0.95	
Onroad Emissions - Traffic Signal Modification						0.06	1.01	1.32	0.01	0.31	0.00	0.32	0.08	0.00	0.09	2.86	
Paving																	
Total Haul Trips	0																
Hauling	0	1	8	20	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Vendor	0	1	8	6.9	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Worker	16	1	8	14.7	0	0.01	0.03	0.47	0.00	0.00	0.00	0.07	0.00	0.00	0.07	0.00	
Onroad Emissions - Paving						0.01	0.03	0.47	0.00	0.00	0.00	0.07	0.00	0.00	0.07	0.00	

Running Emissions

	Running Emissions Factor (grams/mile)					Running Emissions Factor (grams/mile)				
	ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	
2020Hauling Hauling	0.12467436	4.127586075	0.70244559	0.01389473	0.04956172	0.04741766	1520.07529	0.08121693	0.2410944	
2020Vendor Vendor	0.12175156	3.217634225	0.70325362	0.01222293	0.05527116	0.05287672	1311.85371	0.04440854	0.18764154	
2020Worker Worker	0.02296702	0.083024136	1.08430473	0.00306823	0.00220351	0.002029	310.119284	0.00538825	0.00712331	
2021Hauling Hauling	0.08103572	3.571515626	0.57499969	0.01347655	0.02798669	0.02677616	1477.43548	0.08019506	0.23446951	
2021Vendor Vendor	0.0717977	2.602453214	0.52337131	0.01185135	0.03991351	0.02861613	1273.54109	0.04239589	0.18204996	
2021Worker Worker	0.01983596	0.07223241	0.98341812	0.00297251	0.00205695	0.00189393	300.448479	0.00471177	0.00646256	
2022Hauling Hauling	0.02463044	2.696920668	0.45130496	0.01267644	0.01843607	0.0176385	1394.21089	0.07850131	0.22145577	
2022Vendor Vendor	0.01991806	1.889760516	0.36497107	0.01125961	0.01227567	0.01174136	1211.83967	0.04029686	0.12724956	
2022Worker Worker	0.01716262	0.063167612	0.89784164	0.00287684	0.00193578	0.00178222	290.781675	0.00413135	0.00590029	
2023Hauling Hauling	0.02438513	2.70726027	0.46544535	0.01247986	0.01859168	0.01778737	1374.48104	0.07922973	0.21840565	
2023Vendor Vendor	0.01904515	1.897817151	0.35240371	0.01108069	0.01237071	0.01183229	1193.62946	0.0405116	0.17033183	
2023Worker Worker	0.01513169	0.055897597	0.83140276	0.00279565	0.00185735	0.00170978	282.578076	0.00368669	0.00544537	
GWP	N/A	N/A	N/A	N/A	N/A	N/A	1	25	290	

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)						Regional Emissions (MT/year)			
					ROG	NOX	CO	SO2	PM10	PM2.5	CO2	CH4	N2O	CO2e
Site Preparation														
2022														
Total Haul Trips	0													
Hauling	0	6	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	6	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	6	8	14.7	0.01	0.03	0.47	0.00	0.00	0.00	0.41	0.00	0.00	0.41
Demolition														
2022														
Total Haul Trips	32													
Hauling	3	15	8	20	0.00	0.36	0.06	0.00	0.00	0.00	1.25	0.00	0.06	1.31
Vendor	0	15	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	15	8	14.7	0.01	0.04	0.58	0.00	0.00	0.00	1.28	0.00	0.01	1.29
Utility Relocation														
2022														
Total Haul Trips	0													
Hauling	0	11	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	11	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	12	11	8	14.7	0.01	0.02	0.35	0.00	0.00	0.00	0.56	0.00	0.00	0.57
Storm Drain Construction														
2022														
Total Haul Trips	0													
Hauling	0	33	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	14	33	8	6.9	0.00	0.40	0.08	0.00	0.00	0.00	3.86	0.00	0.16	4.03
Worker	24	33	8	14.7	0.01	0.05	0.70	0.00	0.00	0.00	3.39	0.00	0.02	3.41
Sidewalk Construction (New)														
2022														
Total Haul Trips	0													
Hauling	0	16	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	14	16	8	6.9	0.00	0.40	0.08	0.00	0.00	0.00	1.87	0.00	0.08	1.95
Worker	16	16	8	14.7	0.01	0.03	0.47	0.00	0.00	0.00	1.09	0.00	0.01	1.10
Sidewalk Construction (Cr)														
2022														
Total Haul Trips	0													
Hauling	0	16	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	14	16	8	6.9	0.00	0.40	0.08	0.00	0.00	0.00	1.87	0.00	0.08	1.95
Worker	16	16	8	14.7	0.01	0.03	0.47	0.00	0.00	0.00	1.09	0.00	0.01	1.10
Traffic Signal Modification														
2022														
Total Haul Trips	0													
Hauling	0	11	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	14	11	8	6.9	0.00	0.40	0.08	0.00	0.00	0.00	1.29	0.00	0.05	1.34
Worker	20	11	8	14.7	0.01	0.04	0.58	0.00	0.00	0.00	0.94	0.00	0.01	0.95
Paving														
2022														
Total Haul Trips	0													
Hauling	0	1	8	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	1	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	1	8	14.7	0.01	0.03	0.47	0.00	0.00	0.00	0.07	0.00	0.00	0.07

Road Dust, Break Wear, and Tire wear Emissions

	Emission Factors (grams/mile)					
	PM10			PM2.5		
	RD	BW	TW	RD	BW	TW
2020Hauling Hauling	3.00E-01	0.061048007	0.03558331	7.36E-02	0.02616343	0.00889583
2020Vendor Vendor	3.00E-01	0.095694022	0.02379166	7.36E-02	0.04101172	0.00594791
2020Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2021Hauling Hauling	3.00E-01	0.061055751	0.0355879	7.36E-02	0.02616675	0.00889698
2021Vendor Vendor	3.00E-01	0.095697894	0.02379395	7.36E-02	0.04101338	0.00594849
2021Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2022Hauling Hauling	3.00E-01	0.061063462	0.03559233	7.36E-02	0.02617005	0.00889808
2022Vendor Vendor	3.00E-01	0.095701749	0.02379617	7.36E-02	0.04101504	0.00594904
2022Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002
2023Hauling Hauling	3.00E-01	0.06107028	0.03559616	7.36E-02	0.02617298	0.00889904
2023Vendor Vendor	3.00E-01	0.095705158	0.02379808	7.36E-02	0.0410165	0.00594952
2023Worker Worker	3.00E-01	0.036750011	0.008	7.36E-02	0.01575	0.002

Construction Phase	Daily One-Way Trips	Haul Days per Phase (days)	Work Hours per Day (hours/day)	One-Way Trip Distance per Day (miles)	Regional Emissions (pounds/day)					
					PM10			PM2.5		
					RD	BW	TW	RD	BW	TW
<u>Site Preparation</u> 2022										
Total Haul Trips	0									
Hauling	0	6	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	6	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	6	8	14.7	0.16	0.02	0.00	0.04	0.01	0.00
<u>Demolition</u> 2022										
Total Haul Trips	32									
Hauling	3	15	8	20	0.04	0.01	0.00	0.01	0.00	0.00
Vendor	0	15	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	20	15	8	14.7	0.19	0.02	0.01	0.05	0.01	0.00
<u>Utility Relocation</u> 2022										
Total Haul Trips	0									
Hauling	0	11	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	11	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	12	11	8	14.7	0.12	0.01	0.00	0.03	0.01	0.00
<u>Storm Drain Construction</u> 2022										
Total Haul Trips	0									
Hauling	0	33	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	14	33	8	6.9	0.06	0.02	0.01	0.02	0.01	0.00
Worker	24	33	8	14.7	0.23	0.03	0.01	0.06	0.01	0.00
<u>Sidewalk Construction (New)</u> 2022										
Total Haul Trips	0									
Hauling	0	16	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	14	16	8	6.9	0.06	0.02	0.01	0.02	0.01	0.00
Worker	16	16	8	14.7	0.16	0.02	0.00	0.04	0.01	0.00
<u>Sidewalk Construction (Cra)</u> 2022										
Total Haul Trips	0									
Hauling	0	16	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	14	16	8	6.9	0.06	0.02	0.01	0.02	0.01	0.00
Worker	16	16	8	14.7	0.16	0.02	0.00	0.04	0.01	0.00
<u>Traffic Signal Modification</u> 2022										
Total Haul Trips	0									
Hauling	0	11	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	14	11	8	6.9	0.06	0.02	0.01	0.02	0.01	0.00
Worker	20	11	8	14.7	0.19	0.02	0.01	0.05	0.01	0.00
<u>Paving</u> 2022										
Total Haul Trips	0									
Hauling	0	1	8	20	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	0	1	8	6.9	0.00	0.00	0.00	0.00	0.00	0.00
Worker	16	1	8	14.7	0.16	0.02	0.00	0.04	0.01	0.00

CalEEMod Output



Crawford Canyon Sidewalk Extension - South Coast Air Basin, Annual

**Crawford Canyon Sidewalk Extension
South Coast Air Basin, Annual**

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Schedule provided by applicant

Off-road Equipment - Equipment provided by Applicant

Trips and VMT - Project Data

Grading -

Vehicle Trips -

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use -

Construction Off-road Equipment Mitigation - Water exposed area 3 times daily

Fleet Mix - EMFAC2017

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Demolition -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	33.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	2.00	6.00
tblConstructionPhase	NumDays	200.00	16.00
tblConstructionPhase	NumDays	200.00	16.00
tblConstructionPhase	NumDays	200.00	11.00
tblConstructionPhase	NumDays	10.00	16.00
tblConstructionPhase	PhaseEndDate	4/14/2022	7/14/2022
tblConstructionPhase	PhaseEndDate	1/19/2023	8/15/2022
tblConstructionPhase	PhaseEndDate	7/8/2021	6/29/2022
tblConstructionPhase	PhaseEndDate	7/2/2021	6/8/2022
tblConstructionPhase	PhaseStartDate	7/9/2021	6/30/2022
tblConstructionPhase	PhaseStartDate	4/15/2022	6/30/2022
tblConstructionPhase	PhaseStartDate	7/3/2021	6/9/2022

tblConstructionPhase	PhaseStartDate	7/1/2021	6/1/2022
tblOffRoadEquipment	HorsePower	8.00	81.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.43	0.73
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	16.00	32.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	37.00	12.00
tblTripsAndVMT	WorkerTripNumber	37.00	8.00
tblTripsAndVMT	WorkerTripNumber	37.00	8.00
tblTripsAndVMT	WorkerTripNumber	37.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	8.00

2.0 Emissions Summary

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0580	0.4924	0.5420	1.1700e-003	0.0116	0.0206	0.0322	2.9000e-003	0.0196	0.0225	0.0000	101.7318	101.7318	0.0211	0.0000	102.2603
Maximum	0.0580	0.4924	0.5420	1.1700e-003	0.0116	0.0206	0.0322	2.9000e-003	0.0196	0.0225	0.0000	101.7318	101.7318	0.0211	0.0000	102.2603

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0580	0.4924	0.5420	1.1700e-003	0.0106	0.0206	0.0312	2.7900e-003	0.0196	0.0224	0.0000	101.7317	101.7317	0.0211	0.0000	102.2602
Maximum	0.0580	0.4924	0.5420	1.1700e-003	0.0106	0.0206	0.0312	2.7900e-003	0.0196	0.0224	0.0000	101.7317	101.7317	0.0211	0.0000	102.2602

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	8.40	0.00	3.02	3.79	0.00	0.49	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)
4	4-1-2022	6-30-2022	0.1251	0.1251
5	7-1-2022	9-30-2022	0.4199	0.4199
		Highest	0.4199	0.4199

Total	6.8500e-003	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0000	5.0000e-005
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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	6/1/2022	6/8/2022	5	6	
2	Demolition	Demolition	6/9/2022	6/29/2022	5	15	
3	Utility Relocation	Trenching	6/30/2022	7/14/2022	5	11	
4	Storm Drain Construction	Building Construction	6/30/2022	8/15/2022	5	33	
5	Sidewalk Construction (Newport)	Building Construction	6/30/2022	7/21/2022	5	16	
6	Sidewalk Construction (Crawford)	Building Construction	8/15/2022	9/5/2022	5	16	
7	Traffic Signal Modification	Building Construction	7/21/2022	8/4/2022	5	11	
8	Paving	Paving	9/6/2022	9/27/2022	5	16	

Acres of Grading (Site Preparation Phase): 3

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Site Preparation	Graders	1	8.00	187	0.41
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73

Sidewalk Construction (Newport)	Cranes	0	8.00	231	0.29
Site Preparation	Scrapers	0	8.00	367	0.48
Sidewalk Construction (Crawford)	Cranes	0	8.00	231	0.29
Site Preparation	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Traffic Signal Modification	Cranes	1	8.00	231	0.29
Demolition	Graders	0	8.00	187	0.41
Sidewalk Construction (Newport)	Forklifts	0	7.00	89	0.20
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Sidewalk Construction (Crawford)	Forklifts	0	7.00	89	0.20
Traffic Signal Modification	Forklifts	0	7.00	89	0.20
Demolition	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Utility Relocation	Cranes	0	8.00	231	0.29
Sidewalk Construction (Newport)	Generator Sets	0	8.00	84	0.74
Utility Relocation	Forklifts	0	7.00	89	0.20
Utility Relocation	Generator Sets	0	8.00	84	0.74
Sidewalk Construction (Crawford)	Generator Sets	0	8.00	84	0.74
Traffic Signal Modification	Generator Sets	0	8.00	84	0.74
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Sidewalk Construction (Newport)	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Utility Relocation	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Utility Relocation	Welders	0	8.00	46	0.45
Sidewalk Construction (Crawford)	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Storm Drain Construction	Cranes	0	8.00	231	0.29
Storm Drain Construction	Forklifts	0	7.00	89	0.20
Storm Drain Construction	Generator Sets	0	8.00	84	0.74
Traffic Signal Modification	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Storm Drain Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Storm Drain Construction	Welders	2	8.00	46	0.45
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Sidewalk Construction (Newport)	Welders	0	8.00	46	0.45
Sidewalk Construction (Crawford)	Welders	0	8.00	46	0.45
Traffic Signal Modification	Welders	0	8.00	46	0.45
Demolition	Excavators	1	8.00	158	0.38
Utility Relocation	Off-Highway Trucks	2	8.00	402	0.38
Storm Drain Construction	Excavators	1	8.00	158	0.38
Storm Drain Construction	Cement and Mortar Mixers	2	8.00	9	0.56
Sidewalk Construction (Newport)	Cement and Mortar Mixers	2	8.00	9	0.56
Sidewalk Construction (Newport)	Plate Compactors	1	8.00	81	0.73
Sidewalk Construction (Newport)	Concrete/Industrial Saws	1	8.00	81	0.73
Sidewalk Construction (Crawford)	Cement and Mortar Mixers	2	8.00	9	0.56
Sidewalk Construction (Crawford)	Plate Compactors	1	8.00	8	0.43
Sidewalk Construction (Crawford)	Concrete/Industrial Saws	1	8.00	81	0.73
Traffic Signal Modification	Off-Highway Trucks	1	8.00	402	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	10.00	0.00	32.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Relocation	2	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Storm Drain Construction	6	12.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Sidewalk Construction (Newport)	4	8.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Sidewalk Construction (Crawford)	4	8.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Traffic Signal Modification	3	10.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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					
Fugitive Dust					1.5900e-003	0.0000	1.5900e-003	1.7000e-004	0.0000	1.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1100e-003	0.0246	0.0169	4.0000e-005		9.7000e-004	9.7000e-004		9.0000e-004	9.0000e-004	0.0000	3.1800	3.1800	1.0300e-003	0.0000	3.2057
Total	2.1100e-003	0.0246	0.0169	4.0000e-005	1.5900e-003	9.7000e-004	2.5600e-003	1.7000e-004	9.0000e-004	1.0700e-003	0.0000	3.1800	3.1800	1.0300e-003	0.0000	3.2057

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	7.0000e-005	7.7000e-004	0.0000	2.6000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2214	0.2214	1.0000e-005	0.0000	0.2215
Total	9.0000e-005	7.0000e-005	7.7000e-004	0.0000	2.6000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2214	0.2214	1.0000e-005	0.0000	0.2215

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					6.2000e-004	0.0000	6.2000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1100e-003	0.0246	0.0169	4.0000e-005		9.7000e-004	9.7000e-004		9.0000e-004	9.0000e-004	0.0000	3.1800	3.1800	1.0300e-003	0.0000	3.2057
Total	2.1100e-003	0.0246	0.0169	4.0000e-005	6.2000e-004	9.7000e-004	1.5900e-003	7.0000e-005	9.0000e-004	9.7000e-004	0.0000	3.1800	3.1800	1.0300e-003	0.0000	3.2057

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.0000e-005	7.0000e-005	7.7000e-004	0.0000	2.6000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2214	0.2214	1.0000e-005	0.0000	0.2215
Total	9.0000e-005	7.0000e-005	7.7000e-004	0.0000	2.6000e-004	0.0000	2.7000e-004	7.0000e-005	0.0000	7.0000e-005	0.0000	0.2214	0.2214	1.0000e-005	0.0000	0.2215

3.3 Demolition - 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
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Category	tons/yr										MT/yr					
Off-Road	9.0500e-003	0.0774	0.1089	1.7000e-004		4.0800e-003	4.0800e-003		3.9400e-003	3.9400e-003	0.0000	15.0707	15.0707	2.7100e-003	0.0000	15.1383
Total	9.0500e-003	0.0774	0.1089	1.7000e-004		4.0800e-003	4.0800e-003		3.9400e-003	3.9400e-003	0.0000	15.0707	15.0707	2.7100e-003	0.0000	15.1383

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	1.2000e-004	3.9600e-003	9.3000e-004	1.0000e-005	2.7000e-004	1.0000e-005	2.9000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.1864	1.1864	9.0000e-005	0.0000	1.1885
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.1000e-004	2.4200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6918	0.6918	2.0000e-005	0.0000	0.6922
Total	4.1000e-004	4.1700e-003	3.3500e-003	2.0000e-005	1.0900e-003	2.0000e-005	1.1200e-003	3.0000e-004	2.0000e-005	3.1000e-004	0.0000	1.8782	1.8782	1.1000e-004	0.0000	1.8807

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	9.0500e-003	0.0774	0.1089	1.7000e-004		4.0800e-003	4.0800e-003		3.9400e-003	3.9400e-003	0.0000	15.0707	15.0707	2.7100e-003	0.0000	15.1383
Total	9.0500e-003	0.0774	0.1089	1.7000e-004		4.0800e-003	4.0800e-003		3.9400e-003	3.9400e-003	0.0000	15.0707	15.0707	2.7100e-003	0.0000	15.1383

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	1.2000e-004	3.9600e-003	9.3000e-004	1.0000e-005	2.7000e-004	1.0000e-005	2.9000e-004	8.0000e-005	1.0000e-005	9.0000e-005	0.0000	1.1864	1.1864	9.0000e-005	0.0000	1.1885
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.1000e-004	2.4200e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	1.0000e-005	2.2000e-004	0.0000	0.6918	0.6918	2.0000e-005	0.0000	0.6922
Total	4.1000e-004	4.1700e-003	3.3500e-003	2.0000e-005	1.0900e-003	2.0000e-005	1.1200e-003	3.0000e-004	2.0000e-005	3.1000e-004	0.0000	1.8782	1.8782	1.1000e-004	0.0000	1.8807

3.4 Utility Relocation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.8400e-003	0.0444	0.0371	1.5000e-004		1.6100e-003	1.6100e-003		1.4800e-003	1.4800e-003	0.0000	12.8269	12.8269	4.1500e-003	0.0000	12.9306
Total	5.8400e-003	0.0444	0.0371	1.5000e-004		1.6100e-003	1.6100e-003		1.4800e-003	1.4800e-003	0.0000	12.8269	12.8269	4.1500e-003	0.0000	12.9306

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	1.0600e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3044	0.3044	1.0000e-005	0.0000	0.3046
Total	1.3000e-004	9.0000e-005	1.0600e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3044	0.3044	1.0000e-005	0.0000	0.3046

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.8400e-003	0.0444	0.0371	1.5000e-004		1.6100e-003	1.6100e-003		1.4800e-003	1.4800e-003	0.0000	12.8268	12.8268	4.1500e-003	0.0000	12.9306
Total	5.8400e-003	0.0444	0.0371	1.5000e-004		1.6100e-003	1.6100e-003		1.4800e-003	1.4800e-003	0.0000	12.8268	12.8268	4.1500e-003	0.0000	12.9306

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
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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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	1.0600e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3044	0.3044	1.0000e-005	0.0000	0.3046
Total	1.3000e-004	9.0000e-005	1.0600e-003	0.0000	3.6000e-004	0.0000	3.6000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3044	0.3044	1.0000e-005	0.0000	0.3046

3.5 Storm Drain 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	0.0172	0.1175	0.1571	2.4000e-004		5.4900e-003	5.4900e-003		5.2600e-003	5.2600e-003	0.0000	19.7546	19.7546	4.7900e-003	0.0000	19.8744
Total	0.0172	0.1175	0.1571	2.4000e-004		5.4900e-003	5.4900e-003		5.2600e-003	5.2600e-003	0.0000	19.7546	19.7546	4.7900e-003	0.0000	19.8744

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2000e-004	0.0213	5.3800e-003	6.0000e-005	1.4600e-003	4.0000e-005	1.5000e-003	4.2000e-004	4.0000e-005	4.6000e-004	0.0000	5.5593	5.5593	3.5000e-004	0.0000	5.5680

Worker	7.7000e-004	5.5000e-004	6.3800e-003	2.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.8263	1.8263	5.0000e-005	0.0000	1.8275
Total	1.3900e-003	0.0219	0.0118	8.0000e-005	3.6300e-003	6.0000e-005	3.6900e-003	1.0000e-003	5.0000e-005	1.0500e-003	0.0000	7.3856	7.3856	4.0000e-004	0.0000	7.3955

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	0.0172	0.1175	0.1571	2.4000e-004		5.4900e-003	5.4900e-003		5.2600e-003	5.2600e-003	0.0000	19.7546	19.7546	4.7900e-003	0.0000	19.8744
Total	0.0172	0.1175	0.1571	2.4000e-004		5.4900e-003	5.4900e-003		5.2600e-003	5.2600e-003	0.0000	19.7546	19.7546	4.7900e-003	0.0000	19.8744

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	6.2000e-004	0.0213	5.3800e-003	6.0000e-005	1.4600e-003	4.0000e-005	1.5000e-003	4.2000e-004	4.0000e-005	4.6000e-004	0.0000	5.5593	5.5593	3.5000e-004	0.0000	5.5680
Worker	7.7000e-004	5.5000e-004	6.3800e-003	2.0000e-005	2.1700e-003	2.0000e-005	2.1900e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.8263	1.8263	5.0000e-005	0.0000	1.8275
Total	1.3900e-003	0.0219	0.0118	8.0000e-005	3.6300e-003	6.0000e-005	3.6900e-003	1.0000e-003	5.0000e-005	1.0500e-003	0.0000	7.3856	7.3856	4.0000e-004	0.0000	7.3955

3.6 Sidewalk Construction (Newport) - 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	3.8000e-003	0.0283	0.0343	6.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	5.0345	5.0345	3.1000e-004	0.0000	5.0423
Total	3.8000e-003	0.0283	0.0343	6.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	5.0345	5.0345	3.1000e-004	0.0000	5.0423

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	0.0103	2.6100e-003	3.0000e-005	7.1000e-004	2.0000e-005	7.3000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	2.6954	2.6954	1.7000e-004	0.0000	2.6996
Worker	2.5000e-004	1.8000e-004	2.0600e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5903	0.5903	1.0000e-005	0.0000	0.5907
Total	5.5000e-004	0.0105	4.6700e-003	4.0000e-005	1.4100e-003	3.0000e-005	1.4400e-003	3.9000e-004	2.0000e-005	4.1000e-004	0.0000	3.2857	3.2857	1.8000e-004	0.0000	3.2903

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
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Category	tons/yr								MT/yr							
Off-Road	3.8000e-003	0.0283	0.0343	6.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	5.0345	5.0345	3.1000e-004	0.0000	5.0423
Total	3.8000e-003	0.0283	0.0343	6.0000e-005		1.4300e-003	1.4300e-003		1.4300e-003	1.4300e-003	0.0000	5.0345	5.0345	3.1000e-004	0.0000	5.0423

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	0.0103	2.6100e-003	3.0000e-005	7.1000e-004	2.0000e-005	7.3000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	2.6954	2.6954	1.7000e-004	0.0000	2.6996
Worker	2.5000e-004	1.8000e-004	2.0600e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5903	0.5903	1.0000e-005	0.0000	0.5907
Total	5.5000e-004	0.0105	4.6700e-003	4.0000e-005	1.4100e-003	3.0000e-005	1.4400e-003	3.9000e-004	2.0000e-005	4.1000e-004	0.0000	3.2857	3.2857	1.8000e-004	0.0000	3.2903

3.7 Sidewalk Construction (Crawford) - 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	4.1200e-003	0.0303	0.0359	7.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	5.2847	5.2847	3.4000e-004	0.0000	5.2931
Total	4.1200e-003	0.0303	0.0359	7.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	5.2847	5.2847	3.4000e-004	0.0000	5.2931

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	0.0103	2.6100e-003	3.0000e-005	7.1000e-004	2.0000e-005	7.3000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	2.6954	2.6954	1.7000e-004	0.0000	2.6996
Worker	2.5000e-004	1.8000e-004	2.0600e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5903	0.5903	1.0000e-005	0.0000	0.5907
Total	5.5000e-004	0.0105	4.6700e-003	4.0000e-005	1.4100e-003	3.0000e-005	1.4400e-003	3.9000e-004	2.0000e-005	4.1000e-004	0.0000	3.2857	3.2857	1.8000e-004	0.0000	3.2903

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	4.1200e-003	0.0303	0.0359	7.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	5.2847	5.2847	3.4000e-004	0.0000	5.2931
Total	4.1200e-003	0.0303	0.0359	7.0000e-005		1.5100e-003	1.5100e-003		1.5100e-003	1.5100e-003	0.0000	5.2847	5.2847	3.4000e-004	0.0000	5.2931

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.0000e-004	0.0103	2.6100e-003	3.0000e-005	7.1000e-004	2.0000e-005	7.3000e-004	2.0000e-004	2.0000e-005	2.2000e-004	0.0000	2.6954	2.6954	1.7000e-004	0.0000	2.6996
Worker	2.5000e-004	1.8000e-004	2.0600e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5903	0.5903	1.0000e-005	0.0000	0.5907
Total	5.5000e-004	0.0105	4.6700e-003	4.0000e-005	1.4100e-003	3.0000e-005	1.4400e-003	3.9000e-004	2.0000e-005	4.1000e-004	0.0000	3.2857	3.2857	1.8000e-004	0.0000	3.2903

3.8 Traffic Signal Modification - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.8800e-003	0.0544	0.0413	1.2000e-004		2.2600e-003	2.2600e-003		2.0800e-003	2.0800e-003	0.0000	10.7048	10.7048	3.4600e-003	0.0000	10.7913
Total	5.8800e-003	0.0544	0.0413	1.2000e-004		2.2600e-003	2.2600e-003		2.0800e-003	2.0800e-003	0.0000	10.7048	10.7048	3.4600e-003	0.0000	10.7913

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
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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	2.1000e-004	7.1100e-003	1.7900e-003	2.0000e-005	4.9000e-004	1.0000e-005	5.0000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	1.8531	1.8531	1.2000e-004	0.0000	1.8560
Worker	2.1000e-004	1.5000e-004	1.7700e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5073	0.5073	1.0000e-005	0.0000	0.5076
Total	4.2000e-004	7.2600e-003	3.5600e-003	3.0000e-005	1.0900e-003	1.0000e-005	1.1100e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	2.3604	2.3604	1.3000e-004	0.0000	2.3636

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.8800e-003	0.0544	0.0413	1.2000e-004		2.2600e-003	2.2600e-003		2.0800e-003	2.0800e-003	0.0000	10.7047	10.7047	3.4600e-003	0.0000	10.7913
Total	5.8800e-003	0.0544	0.0413	1.2000e-004		2.2600e-003	2.2600e-003		2.0800e-003	2.0800e-003	0.0000	10.7047	10.7047	3.4600e-003	0.0000	10.7913

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	2.1000e-004	7.1100e-003	1.7900e-003	2.0000e-005	4.9000e-004	1.0000e-005	5.0000e-004	1.4000e-004	1.0000e-005	1.5000e-004	0.0000	1.8531	1.8531	1.2000e-004	0.0000	1.8560

Worker	2.1000e-004	1.5000e-004	1.7700e-003	1.0000e-005	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.5073	0.5073	1.0000e-005	0.0000	0.5076
Total	4.2000e-004	7.2600e-003	3.5600e-003	3.0000e-005	1.0900e-003	1.0000e-005	1.1100e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	2.3604	2.3604	1.3000e-004	0.0000	2.3636

3.9 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.2000e-003	0.0609	0.0787	1.2000e-004		3.1100e-003	3.1100e-003		2.8700e-003	2.8700e-003	0.0000	10.5639	10.5639	3.3400e-003	0.0000	10.6473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.2000e-003	0.0609	0.0787	1.2000e-004		3.1100e-003	3.1100e-003		2.8700e-003	2.8700e-003	0.0000	10.5639	10.5639	3.3400e-003	0.0000	10.6473

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	2.5000e-004	1.8000e-004	2.0600e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5903	0.5903	1.0000e-005	0.0000	0.5907
Total	2.5000e-004	1.8000e-004	2.0600e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5903	0.5903	1.0000e-005	0.0000	0.5907

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	6.2000e-003	0.0609	0.0787	1.2000e-004		3.1100e-003	3.1100e-003		2.8700e-003	2.8700e-003	0.0000	10.5639	10.5639	3.3400e-003	0.0000	10.6473
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.2000e-003	0.0609	0.0787	1.2000e-004		3.1100e-003	3.1100e-003		2.8700e-003	2.8700e-003	0.0000	10.5639	10.5639	3.3400e-003	0.0000	10.6473

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	2.5000e-004	1.8000e-004	2.0600e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5903	0.5903	1.0000e-005	0.0000	0.5907
Total	2.5000e-004	1.8000e-004	2.0600e-003	1.0000e-005	7.0000e-004	1.0000e-005	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5903	0.5903	1.0000e-005	0.0000	0.5907

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Mitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			

Consumer Products	5.6300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0000	5.0000e-005
Total	6.8400e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0000	5.0000e-005

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	1.2100e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	5.6300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0000	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0000	5.0000e-005
Total	6.8400e-003	0.0000	3.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.0000e-005	5.0000e-005	0.0000	0.0000	5.0000e-005

7.0 Water Detail

7.1 Mitigation Measures Water

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000

Unmitigated	0.0000	0.0000	0.0000	0.0000
-------------	--------	--------	--------	--------

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Non-Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

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
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Boilers

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Crawford Canyon Sidewalk Extension - South Coast Air Basin, Summer

Crawford Canyon Sidewalk Extension
South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Schedule provided by applicant

Off-road Equipment - Equipment provided by Applicant

Trips and VMT - Project Data

Grading -

Vehicle Trips -

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use -

Construction Off-road Equipment Mitigation - Water exposed area 3 times daily

Fleet Mix - EMFAC2017

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Demolition -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	33.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	2.00	6.00
tblConstructionPhase	NumDays	200.00	16.00
tblConstructionPhase	NumDays	200.00	16.00
tblConstructionPhase	NumDays	200.00	11.00
tblConstructionPhase	NumDays	10.00	16.00
tblConstructionPhase	PhaseEndDate	4/14/2022	7/14/2022
tblConstructionPhase	PhaseEndDate	1/19/2023	8/15/2022
tblConstructionPhase	PhaseEndDate	7/8/2021	6/29/2022
tblConstructionPhase	PhaseEndDate	7/2/2021	6/8/2022
tblConstructionPhase	PhaseStartDate	7/9/2021	6/30/2022
tblConstructionPhase	PhaseStartDate	4/15/2022	6/30/2022
tblConstructionPhase	PhaseStartDate	7/3/2021	6/9/2022

tblConstructionPhase	PhaseStartDate	7/1/2021	6/1/2022
tblOffRoadEquipment	HorsePower	8.00	81.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.43	0.73
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	16.00	32.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	37.00	12.00
tblTripsAndVMT	WorkerTripNumber	37.00	8.00
tblTripsAndVMT	WorkerTripNumber	37.00	8.00
tblTripsAndVMT	WorkerTripNumber	37.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	8.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.8118	24.4493	23.2716	0.0589	0.6197	0.9318	1.5358	0.1663	0.8843	1.0506	0.0000	5,613.125 2	5,613.125 2	1.2466	0.0000	5,644.290 8
Maximum	2.8118	24.4493	23.2716	0.0589	0.6197	0.9318	1.5358	0.1663	0.8843	1.0506	0.0000	5,613.125 2	5,613.125 2	1.2466	0.0000	5,644.290 8

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.8118	24.4493	23.2716	0.0589	0.6041	0.9318	1.5358	0.1663	0.8843	1.0506	0.0000	5,613.125 2	5,613.125 2	1.2466	0.0000	5,644.290 8
Maximum	2.8118	24.4493	23.2716	0.0589	0.6041	0.9318	1.5358	0.1663	0.8843	1.0506	0.0000	5,613.125 2	5,613.125 2	1.2466	0.0000	5,644.290 8

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	2.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0375	0.0000	2.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0375	0.0000	2.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/8/2022	5	6	
2	Demolition	Demolition	6/9/2022	6/29/2022	5	15	
3	Utility Relocation	Trenching	6/30/2022	7/14/2022	5	11	
4	Storm Drain Construction	Building Construction	6/30/2022	8/15/2022	5	33	
5	Sidewalk Construction (Newport)	Building Construction	6/30/2022	7/21/2022	5	16	
6	Sidewalk Construction (Crawford)	Building Construction	8/15/2022	9/5/2022	5	16	
7	Traffic Signal Modification	Building Construction	7/21/2022	8/4/2022	5	11	
8	Paving	Paving	9/6/2022	9/27/2022	5	16	

Acres of Grading (Site Preparation Phase): 3

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Site Preparation	Graders	1	8.00	187	0.41
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Sidewalk Construction (Newport)	Cranes	0	8.00	231	0.29
Site Preparation	Scrapers	0	8.00	367	0.48
Sidewalk Construction (Crawford)	Cranes	0	8.00	231	0.29
Site Preparation	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Traffic Signal Modification	Cranes	1	8.00	231	0.29
Demolition	Graders	0	8.00	187	0.41
Sidewalk Construction (Newport)	Forklifts	0	7.00	89	0.20
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Sidewalk Construction (Crawford)	Forklifts	0	7.00	89	0.20

Traffic Signal Modification	Forklifts	0	7.00	89	0.20
Demolition	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Utility Relocation	Cranes	0	8.00	231	0.29
Sidewalk Construction (Newport)	Generator Sets	0	8.00	84	0.74
Utility Relocation	Forklifts	0	7.00	89	0.20
Utility Relocation	Generator Sets	0	8.00	84	0.74
Sidewalk Construction (Crawford)	Generator Sets	0	8.00	84	0.74
Traffic Signal Modification	Generator Sets	0	8.00	84	0.74
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Sidewalk Construction (Newport)	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Utility Relocation	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Utility Relocation	Welders	0	8.00	46	0.45
Sidewalk Construction (Crawford)	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Storm Drain Construction	Cranes	0	8.00	231	0.29
Storm Drain Construction	Forklifts	0	7.00	89	0.20
Storm Drain Construction	Generator Sets	0	8.00	84	0.74
Traffic Signal Modification	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Storm Drain Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Storm Drain Construction	Welders	2	8.00	46	0.45
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Sidewalk Construction (Newport)	Welders	0	8.00	46	0.45
Sidewalk Construction (Crawford)	Welders	0	8.00	46	0.45
Traffic Signal Modification	Welders	0	8.00	46	0.45
Demolition	Excavators	1	8.00	158	0.38
Utility Relocation	Off-Highway Trucks	2	8.00	402	0.38
Storm Drain Construction	Excavators	1	8.00	158	0.38
Storm Drain Construction	Cement and Mortar Mixers	2	8.00	9	0.56

Sidewalk Construction (Newport)	Cement and Mortar Mixers	2	8.00	9	0.56
Sidewalk Construction (Newport)	Plate Compactors	1	8.00	81	0.73
Sidewalk Construction (Newport)	Concrete/Industrial Saws	1	8.00	81	0.73
Sidewalk Construction (Crawford)	Cement and Mortar Mixers	2	8.00	9	0.56
Sidewalk Construction (Crawford)	Plate Compactors	1	8.00	8	0.43
Sidewalk Construction (Crawford)	Concrete/Industrial Saws	1	8.00	81	0.73
Traffic Signal Modification	Off-Highway Trucks	1	8.00	402	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	10.00	0.00	32.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Relocation	2	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Storm Drain Construction	6	12.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Sidewalk Construction (Newport)	4	8.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Sidewalk Construction (Crawford)	4	8.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Traffic Signal Modification	3	10.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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
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Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7032	8.1900	5.6382	0.0121		0.3249	0.3249		0.2989	0.2989		1,168.447 1	1,168.447 1	0.3779		1,177.894 6
Total	0.7032	8.1900	5.6382	0.0121	0.5303	0.3249	0.8552	0.0573	0.2989	0.3562		1,168.447 1	1,168.447 1	0.3779		1,177.894 6

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	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350
Total	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.7032	8.1900	5.6382	0.0121		0.3249	0.3249		0.2989	0.2989	0.0000	1,168.447 1	1,168.447 1	0.3779		1,177.894 6

Total	0.7032	8.1900	5.6382	0.0121	0.2068	0.3249	0.5317	0.0223	0.2989	0.3213	0.0000	1,168.447	1,168.447	0.3779		1,177.894
												1	1			6

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	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350
Total	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350

3.3 Demolition - 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	1.2071	10.3206	14.5171	0.0232		0.5444	0.5444		0.5249	0.5249		2,215.0128	2,215.0128	0.3977		2,224.9548
Total	1.2071	10.3206	14.5171	0.0232		0.5444	0.5444		0.5249	0.5249		2,215.0128	2,215.0128	0.3977		2,224.9548

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	0.0154	0.5120	0.1209	1.6100e-003	0.0373	1.4900e-003	0.0388	0.0102	1.4300e-003	0.0116		175.6449	175.6449	0.0123		175.9531
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0393	0.0247	0.3472	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		106.7263	106.7263	2.7000e-003		106.7937
Total	0.0547	0.5367	0.4681	2.6800e-003	0.1490	2.2900e-003	0.1513	0.0399	2.1700e-003	0.0420		282.3713	282.3713	0.0150		282.7469

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2071	10.3206	14.5171	0.0232		0.5444	0.5444		0.5249	0.5249	0.0000	2,215.0128	2,215.0128	0.3977		2,224.9548
Total	1.2071	10.3206	14.5171	0.0232		0.5444	0.5444		0.5249	0.5249	0.0000	2,215.0128	2,215.0128	0.3977		2,224.9548

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
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Category	lb/day										lb/day			
Hauling	0.0154	0.5120	0.1209	1.6100e-003	0.0373	1.4900e-003	0.0388	0.0102	1.4300e-003	0.0116	175.6449	175.6449	0.0123	175.9531
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0393	0.0247	0.3472	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304	106.7263	106.7263	2.7000e-003	106.7937
Total	0.0547	0.5367	0.4681	2.6800e-003	0.1490	2.2900e-003	0.1513	0.0399	2.1700e-003	0.0420	282.3713	282.3713	0.0150	282.7469

3.4 Utility Relocation - 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	1.0621	8.0676	6.7510	0.0266		0.2934	0.2934		0.2699	0.2699		2,570.7604	2,570.7604	0.8314		2,591.5463
Total	1.0621	8.0676	6.7510	0.0266		0.2934	0.2934		0.2699	0.2699		2,570.7604	2,570.7604	0.8314		2,591.5463

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	0.0236	0.0148	0.2083	6.4000e-004	0.0671	4.8000e-004	0.0676	0.0178	4.4000e-004	0.0182		64.0358	64.0358	1.6200e-003		64.0762
Total	0.0236	0.0148	0.2083	6.4000e-004	0.0671	4.8000e-004	0.0676	0.0178	4.4000e-004	0.0182		64.0358	64.0358	1.6200e-003		64.0762

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0621	8.0676	6.7510	0.0266		0.2934	0.2934		0.2699	0.2699	0.0000	2,570.7604	2,570.7604	0.8314		2,591.5463
Total	1.0621	8.0676	6.7510	0.0266		0.2934	0.2934		0.2699	0.2699	0.0000	2,570.7604	2,570.7604	0.8314		2,591.5463

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	0.0236	0.0148	0.2083	6.4000e-004	0.0671	4.8000e-004	0.0676	0.0178	4.4000e-004	0.0182		64.0358	64.0358	1.6200e-003		64.0762
Total	0.0236	0.0148	0.2083	6.4000e-004	0.0671	4.8000e-004	0.0676	0.0178	4.4000e-004	0.0182		64.0358	64.0358	1.6200e-003		64.0762

3.5 Storm Drain 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	1.0391	7.1237	9.5179	0.0148		0.3329	0.3329		0.3188	0.3188		1,319.7424	1,319.7424	0.3201		1,327.7447
Total	1.0391	7.1237	9.5179	0.0148		0.3329	0.3329		0.3188	0.3188		1,319.7424	1,319.7424	0.3201		1,327.7447

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	0.0370	1.2735	0.3082	3.5100e-003	0.0896	2.3800e-003	0.0920	0.0258	2.2800e-003	0.0281		375.7183	375.7183	0.0226		376.2842
Worker	0.0471	0.0296	0.4167	1.2900e-003	0.1341	9.6000e-004	0.1351	0.0356	8.9000e-004	0.0365		128.0716	128.0716	3.2400e-003		128.1525
Total	0.0841	1.3031	0.7249	4.8000e-003	0.2237	3.3400e-003	0.2271	0.0614	3.1700e-003	0.0645		503.7899	503.7899	0.0259		504.4367

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
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Category	lb/day										lb/day					
Off-Road	1.0391	7.1237	9.5179	0.0148		0.3329	0.3329		0.3188	0.3188	0.0000	1,319.7424	1,319.7424	0.3201		1,327.7447
Total	1.0391	7.1237	9.5179	0.0148		0.3329	0.3329		0.3188	0.3188	0.0000	1,319.7424	1,319.7424	0.3201		1,327.7447

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	0.0370	1.2735	0.3082	3.5100e-003	0.0896	2.3800e-003	0.0920	0.0258	2.2800e-003	0.0281		375.7183	375.7183	0.0226		376.2842
Worker	0.0471	0.0296	0.4167	1.2900e-003	0.1341	9.6000e-004	0.1351	0.0356	8.9000e-004	0.0365		128.0716	128.0716	3.2400e-003		128.1525
Total	0.0841	1.3031	0.7249	4.8000e-003	0.2237	3.3400e-003	0.2271	0.0614	3.1700e-003	0.0645		503.7899	503.7899	0.0259		504.4367

3.6 Sidewalk Construction (Newport) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4752	3.5375	4.2816	7.6800e-003		0.1788	0.1788		0.1788	0.1788		693.6973	693.6973	0.0428		694.7677
Total	0.4752	3.5375	4.2816	7.6800e-003		0.1788	0.1788		0.1788	0.1788		693.6973	693.6973	0.0428		694.7677

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	0.0370	1.2735	0.3082	3.5100e-003	0.0896	2.3800e-003	0.0920	0.0258	2.2800e-003	0.0281		375.7183	375.7183	0.0226		376.2842
Worker	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350
Total	0.0684	1.2932	0.5860	4.3700e-003	0.1790	3.0200e-003	0.1820	0.0495	2.8700e-003	0.0524		461.0994	461.0994	0.0248		461.7192

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	0.4752	3.5375	4.2816	7.6800e-003		0.1788	0.1788		0.1788	0.1788	0.0000	693.6973	693.6973	0.0428		694.7677
Total	0.4752	3.5375	4.2816	7.6800e-003		0.1788	0.1788		0.1788	0.1788	0.0000	693.6973	693.6973	0.0428		694.7677

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	0.0370	1.2735	0.3082	3.5100e-003	0.0896	2.3800e-003	0.0920	0.0258	2.2800e-003	0.0281		375.7183	375.7183	0.0226		376.2842
Worker	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350
Total	0.0684	1.2932	0.5860	4.3700e-003	0.1790	3.0200e-003	0.1820	0.0495	2.8700e-003	0.0524		461.0994	461.0994	0.0248		461.7192

3.7 Sidewalk Construction (Crawford) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5153	3.7888	4.4920	8.1600e-003		0.1886	0.1886		0.1886	0.1886		728.1767	728.1767	0.0464		729.3366
Total	0.5153	3.7888	4.4920	8.1600e-003		0.1886	0.1886		0.1886	0.1886		728.1767	728.1767	0.0464		729.3366

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0370	1.2735	0.3082	3.5100e-003	0.0896	2.3800e-003	0.0920	0.0258	2.2800e-003	0.0281		375.7183	375.7183	0.0226		376.2842
Worker	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350
Total	0.0684	1.2932	0.5860	4.3700e-003	0.1790	3.0200e-003	0.1820	0.0495	2.8700e-003	0.0524		461.0994	461.0994	0.0248		461.7192

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	0.5153	3.7888	4.4920	8.1600e-003		0.1886	0.1886		0.1886	0.1886	0.0000	728.1767	728.1767	0.0464		729.3366
Total	0.5153	3.7888	4.4920	8.1600e-003		0.1886	0.1886		0.1886	0.1886	0.0000	728.1767	728.1767	0.0464		729.3366

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	0.0370	1.2735	0.3082	3.5100e-003	0.0896	2.3800e-003	0.0920	0.0258	2.2800e-003	0.0281		375.7183	375.7183	0.0226		376.2842

Worker	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350
Total	0.0684	1.2932	0.5860	4.3700e-003	0.1790	3.0200e-003	0.1820	0.0495	2.8700e-003	0.0524		461.0994	461.0994	0.0248		461.7192

3.8 Traffic Signal Modification - 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	1.0688	9.8937	7.5058	0.0222		0.4105	0.4105		0.3777	0.3777		2,145.4495	2,145.4495	0.6939		2,162.7966
Total	1.0688	9.8937	7.5058	0.0222		0.4105	0.4105		0.3777	0.3777		2,145.4495	2,145.4495	0.6939		2,162.7966

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	0.0370	1.2735	0.3082	3.5100e-003	0.0896	2.3800e-003	0.0920	0.0258	2.2800e-003	0.0281		375.7183	375.7183	0.0226		376.2842
Worker	0.0393	0.0247	0.3472	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		106.7263	106.7263	2.7000e-003		106.7937
Total	0.0762	1.2982	0.6555	4.5800e-003	0.2014	3.1800e-003	0.2045	0.0554	3.0200e-003	0.0585		482.4446	482.4446	0.0253		483.0779

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0688	9.8937	7.5058	0.0222		0.4105	0.4105		0.3777	0.3777	0.0000	2,145.4495	2,145.4495	0.6939		2,162.7966
Total	1.0688	9.8937	7.5058	0.0222		0.4105	0.4105		0.3777	0.3777	0.0000	2,145.4495	2,145.4495	0.6939		2,162.7966

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	0.0370	1.2735	0.3082	3.5100e-003	0.0896	2.3800e-003	0.0920	0.0258	2.2800e-003	0.0281		375.7183	375.7183	0.0226		376.2842
Worker	0.0393	0.0247	0.3472	1.0700e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		106.7263	106.7263	2.7000e-003		106.7937
Total	0.0762	1.2982	0.6555	4.5800e-003	0.2014	3.1800e-003	0.2045	0.0554	3.0200e-003	0.0585		482.4446	482.4446	0.0253		483.0779

3.9 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.7749	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585		1,455.5854	1,455.5854	0.4597		1,467.0772
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7749	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585		1,455.5854	1,455.5854	0.4597		1,467.0772

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	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350
Total	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350

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	0.7749	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585	0.0000	1,455.5854	1,455.5854	0.4597		1,467.0772
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.7749	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585	0.0000	1,455.5854	1,455.5854	0.4597		1,467.0772
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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	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350
Total	0.0314	0.0197	0.2778	8.6000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		85.3811	85.3811	2.1600e-003		85.4350

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Unmitigated	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0309					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Total	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004

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	6.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0309					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Total	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Crawford Canyon Sidewalk Extension - South Coast Air Basin, Winter

Crawford Canyon Sidewalk Extension
South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Non-Asphalt Surfaces	2.00	Acre	2.00	87,120.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	8			Operational Year	2023
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	702.44	CH4 Intensity (lb/MW hr)	0.029	N2O Intensity (lb/MW hr)	0.006

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use -

Construction Phase - Schedule provided by applicant

Off-road Equipment - Equipment provided by Applicant

Trips and VMT - Project Data

Grading -

Vehicle Trips -

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Vehicle Emission Factors - EMFAC2017

Energy Use -

Construction Off-road Equipment Mitigation - Water exposed area 3 times daily

Fleet Mix - EMFAC2017

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Off-road Equipment - Project Data

Demolition -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	200.00	33.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	2.00	6.00
tblConstructionPhase	NumDays	200.00	16.00
tblConstructionPhase	NumDays	200.00	16.00
tblConstructionPhase	NumDays	200.00	11.00
tblConstructionPhase	NumDays	10.00	16.00
tblConstructionPhase	PhaseEndDate	4/14/2022	7/14/2022
tblConstructionPhase	PhaseEndDate	1/19/2023	8/15/2022
tblConstructionPhase	PhaseEndDate	7/8/2021	6/29/2022
tblConstructionPhase	PhaseEndDate	7/2/2021	6/8/2022
tblConstructionPhase	PhaseStartDate	7/9/2021	6/30/2022
tblConstructionPhase	PhaseStartDate	4/15/2022	6/30/2022
tblConstructionPhase	PhaseStartDate	7/3/2021	6/9/2022

tblConstructionPhase	PhaseStartDate	7/1/2021	6/1/2022
tblOffRoadEquipment	HorsePower	8.00	81.00
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	LoadFactor	0.43	0.73
tblOffRoadEquipment	LoadFactor	0.38	0.38
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentType		Excavators
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Cement and Mortar Mixers
tblOffRoadEquipment	OffRoadEquipmentType		Plate Compactors
tblOffRoadEquipment	OffRoadEquipmentType		Concrete/Industrial Saws
tblOffRoadEquipment	OffRoadEquipmentType		Off-Highway Trucks
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	0.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	6.00	8.00
tblTripsAndVMT	HaulingTripNumber	16.00	32.00
tblTripsAndVMT	WorkerTripNumber	13.00	10.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	37.00	12.00
tblTripsAndVMT	WorkerTripNumber	37.00	8.00
tblTripsAndVMT	WorkerTripNumber	37.00	8.00
tblTripsAndVMT	WorkerTripNumber	37.00	10.00
tblTripsAndVMT	WorkerTripNumber	13.00	8.00

2.0 Emissions Summary

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.8297	24.4449	23.2747	0.0585	0.6197	0.9320	1.5361	0.1663	0.8845	1.0508	0.0000	5,575.3165	5,575.3165	1.2493	0.0000	5,606.5476
Maximum	2.8297	24.4449	23.2747	0.0585	0.6197	0.9320	1.5361	0.1663	0.8845	1.0508	0.0000	5,575.3165	5,575.3165	1.2493	0.0000	5,606.5476

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	2.8297	24.4449	23.2747	0.0585	0.6041	0.9320	1.5361	0.1663	0.8845	1.0508	0.0000	5,575.3165	5,575.3165	1.2493	0.0000	5,606.5476
Maximum	2.8297	24.4449	23.2747	0.0585	0.6041	0.9320	1.5361	0.1663	0.8845	1.0508	0.0000	5,575.3165	5,575.3165	1.2493	0.0000	5,606.5476

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	2.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0375	0.0000	2.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Mobile	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Total	0.0375	0.0000	2.0000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000	0.0000	4.7000e-004

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/1/2022	6/8/2022	5	6	
2	Demolition	Demolition	6/9/2022	6/29/2022	5	15	
3	Utility Relocation	Trenching	6/30/2022	7/14/2022	5	11	
4	Storm Drain Construction	Building Construction	6/30/2022	8/15/2022	5	33	
5	Sidewalk Construction (Newport)	Building Construction	6/30/2022	7/21/2022	5	16	
6	Sidewalk Construction (Crawford)	Building Construction	8/15/2022	9/5/2022	5	16	
7	Traffic Signal Modification	Building Construction	7/21/2022	8/4/2022	5	11	
8	Paving	Paving	9/6/2022	9/27/2022	5	16	

Acres of Grading (Site Preparation Phase): 3

Acres of Grading (Grading Phase): 0

Acres of Paving: 2

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Site Preparation	Graders	1	8.00	187	0.41
Demolition	Concrete/Industrial Saws	2	8.00	81	0.73
Sidewalk Construction (Newport)	Cranes	0	8.00	231	0.29
Site Preparation	Scrapers	0	8.00	367	0.48
Sidewalk Construction (Crawford)	Cranes	0	8.00	231	0.29
Site Preparation	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Traffic Signal Modification	Cranes	1	8.00	231	0.29
Demolition	Graders	0	8.00	187	0.41
Sidewalk Construction (Newport)	Forklifts	0	7.00	89	0.20
Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Sidewalk Construction (Crawford)	Forklifts	0	7.00	89	0.20

Traffic Signal Modification	Forklifts	0	7.00	89	0.20
Demolition	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Utility Relocation	Cranes	0	8.00	231	0.29
Sidewalk Construction (Newport)	Generator Sets	0	8.00	84	0.74
Utility Relocation	Forklifts	0	7.00	89	0.20
Utility Relocation	Generator Sets	0	8.00	84	0.74
Sidewalk Construction (Crawford)	Generator Sets	0	8.00	84	0.74
Traffic Signal Modification	Generator Sets	0	8.00	84	0.74
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	8.00	80	0.38
Sidewalk Construction (Newport)	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Utility Relocation	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Utility Relocation	Welders	0	8.00	46	0.45
Sidewalk Construction (Crawford)	Tractors/Loaders/Backhoes	0	6.00	97	0.37
Storm Drain Construction	Cranes	0	8.00	231	0.29
Storm Drain Construction	Forklifts	0	7.00	89	0.20
Storm Drain Construction	Generator Sets	0	8.00	84	0.74
Traffic Signal Modification	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Storm Drain Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Storm Drain Construction	Welders	2	8.00	46	0.45
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Sidewalk Construction (Newport)	Welders	0	8.00	46	0.45
Sidewalk Construction (Crawford)	Welders	0	8.00	46	0.45
Traffic Signal Modification	Welders	0	8.00	46	0.45
Demolition	Excavators	1	8.00	158	0.38
Utility Relocation	Off-Highway Trucks	2	8.00	402	0.38
Storm Drain Construction	Excavators	1	8.00	158	0.38
Storm Drain Construction	Cement and Mortar Mixers	2	8.00	9	0.56

Sidewalk Construction (Newport)	Cement and Mortar Mixers	2	8.00	9	0.56
Sidewalk Construction (Newport)	Plate Compactors	1	8.00	81	0.73
Sidewalk Construction (Newport)	Concrete/Industrial Saws	1	8.00	81	0.73
Sidewalk Construction (Crawford)	Cement and Mortar Mixers	2	8.00	9	0.56
Sidewalk Construction (Crawford)	Plate Compactors	1	8.00	8	0.43
Sidewalk Construction (Crawford)	Concrete/Industrial Saws	1	8.00	81	0.73
Traffic Signal Modification	Off-Highway Trucks	1	8.00	402	0.38

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	5	10.00	0.00	32.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Utility Relocation	2	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Storm Drain Construction	6	12.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Sidewalk Construction (Newport)	4	8.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Sidewalk Construction (Crawford)	4	8.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Traffic Signal Modification	3	10.00	14.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Site Preparation - 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
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Category	lb/day										lb/day					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.7032	8.1900	5.6382	0.0121		0.3249	0.3249		0.2989	0.2989		1,168.447 1	1,168.447 1	0.3779		1,177.894 6
Total	0.7032	8.1900	5.6382	0.0121	0.5303	0.3249	0.8552	0.0573	0.2989	0.3562		1,168.447 1	1,168.447 1	0.3779		1,177.894 6

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	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288
Total	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2068	0.0000	0.2068	0.0223	0.0000	0.0223			0.0000			0.0000
Off-Road	0.7032	8.1900	5.6382	0.0121		0.3249	0.3249		0.2989	0.2989	0.0000	1,168.447 1	1,168.447 1	0.3779		1,177.894 6

Total	0.7032	8.1900	5.6382	0.0121	0.2068	0.3249	0.5317	0.0223	0.2989	0.3213	0.0000	1,168.447	1,168.447	0.3779		1,177.894
												1	1			6

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	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288
Total	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288

3.3 Demolition - 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	1.2071	10.3206	14.5171	0.0232		0.5444	0.5444		0.5249	0.5249		2,215.0128	2,215.0128	0.3977		2,224.9548
Total	1.2071	10.3206	14.5171	0.0232		0.5444	0.5444		0.5249	0.5249		2,215.0128	2,215.0128	0.3977		2,224.9548

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	0.0158	0.5178	0.1285	1.5900e-003	0.0373	1.5100e-003	0.0388	0.0102	1.4500e-003	0.0117		172.6033	172.6033	0.0128		172.9227
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0434	0.0271	0.3137	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		100.0979	100.0979	2.5200e-003		100.1609
Total	0.0592	0.5449	0.4423	2.5900e-003	0.1490	2.3100e-003	0.1514	0.0399	2.1900e-003	0.0420		272.7012	272.7012	0.0153		273.0836

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.2071	10.3206	14.5171	0.0232		0.5444	0.5444		0.5249	0.5249	0.0000	2,215.0128	2,215.0128	0.3977		2,224.9548
Total	1.2071	10.3206	14.5171	0.0232		0.5444	0.5444		0.5249	0.5249	0.0000	2,215.0128	2,215.0128	0.3977		2,224.9548

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
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Category	lb/day										lb/day			
Hauling	0.0158	0.5178	0.1285	1.5900e-003	0.0373	1.5100e-003	0.0388	0.0102	1.4500e-003	0.0117	172.6033	172.6033	0.0128	172.9227
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0434	0.0271	0.3137	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304	100.0979	100.0979	2.5200e-003	100.1609
Total	0.0592	0.5449	0.4423	2.5900e-003	0.1490	2.3100e-003	0.1514	0.0399	2.1900e-003	0.0420	272.7012	272.7012	0.0153	273.0836

3.4 Utility Relocation - 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	1.0621	8.0676	6.7510	0.0266		0.2934	0.2934		0.2699	0.2699		2,570.7604	2,570.7604	0.8314		2,591.5463
Total	1.0621	8.0676	6.7510	0.0266		0.2934	0.2934		0.2699	0.2699		2,570.7604	2,570.7604	0.8314		2,591.5463

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	0.0260	0.0163	0.1882	6.0000e-004	0.0671	4.8000e-004	0.0676	0.0178	4.4000e-004	0.0182		60.0587	60.0587	1.5100e-003		60.0966
Total	0.0260	0.0163	0.1882	6.0000e-004	0.0671	4.8000e-004	0.0676	0.0178	4.4000e-004	0.0182		60.0587	60.0587	1.5100e-003		60.0966

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0621	8.0676	6.7510	0.0266		0.2934	0.2934		0.2699	0.2699	0.0000	2,570.7604	2,570.7604	0.8314		2,591.5463
Total	1.0621	8.0676	6.7510	0.0266		0.2934	0.2934		0.2699	0.2699	0.0000	2,570.7604	2,570.7604	0.8314		2,591.5463

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	0.0260	0.0163	0.1882	6.0000e-004	0.0671	4.8000e-004	0.0676	0.0178	4.4000e-004	0.0182		60.0587	60.0587	1.5100e-003		60.0966
Total	0.0260	0.0163	0.1882	6.0000e-004	0.0671	4.8000e-004	0.0676	0.0178	4.4000e-004	0.0182		60.0587	60.0587	1.5100e-003		60.0966

3.5 Storm Drain 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	1.0391	7.1237	9.5179	0.0148		0.3329	0.3329		0.3188	0.3188		1,319.7424	1,319.7424	0.3201		1,327.7447
Total	1.0391	7.1237	9.5179	0.0148		0.3329	0.3329		0.3188	0.3188		1,319.7424	1,319.7424	0.3201		1,327.7447

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	0.0388	1.2696	0.3428	3.4100e-003	0.0896	2.4600e-003	0.0920	0.0258	2.3500e-003	0.0281		365.4310	365.4310	0.0242		366.0352
Worker	0.0521	0.0325	0.3765	1.2100e-003	0.1341	9.6000e-004	0.1351	0.0356	8.9000e-004	0.0365		120.1175	120.1175	3.0300e-003		120.1931
Total	0.0909	1.3021	0.7192	4.6200e-003	0.2237	3.4200e-003	0.2271	0.0614	3.2400e-003	0.0646		485.5484	485.5484	0.0272		486.2283

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
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Category	lb/day										lb/day					
Off-Road	1.0391	7.1237	9.5179	0.0148		0.3329	0.3329		0.3188	0.3188	0.0000	1,319.742 4	1,319.742 4	0.3201		1,327.744 7
Total	1.0391	7.1237	9.5179	0.0148		0.3329	0.3329		0.3188	0.3188	0.0000	1,319.742 4	1,319.742 4	0.3201		1,327.744 7

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	0.0388	1.2696	0.3428	3.4100e-003	0.0896	2.4600e-003	0.0920	0.0258	2.3500e-003	0.0281		365.4310	365.4310	0.0242		366.0352
Worker	0.0521	0.0325	0.3765	1.2100e-003	0.1341	9.6000e-004	0.1351	0.0356	8.9000e-004	0.0365		120.1175	120.1175	3.0300e-003		120.1931
Total	0.0909	1.3021	0.7192	4.6200e-003	0.2237	3.4200e-003	0.2271	0.0614	3.2400e-003	0.0646		485.5484	485.5484	0.0272		486.2283

3.6 Sidewalk Construction (Newport) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.4752	3.5375	4.2816	7.6800e-003		0.1788	0.1788		0.1788	0.1788		693.6973	693.6973	0.0428		694.7677
Total	0.4752	3.5375	4.2816	7.6800e-003		0.1788	0.1788		0.1788	0.1788		693.6973	693.6973	0.0428		694.7677

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	0.0388	1.2696	0.3428	3.4100e-003	0.0896	2.4600e-003	0.0920	0.0258	2.3500e-003	0.0281		365.4310	365.4310	0.0242		366.0352
Worker	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288
Total	0.0735	1.2912	0.5937	4.2100e-003	0.1790	3.1000e-003	0.1821	0.0495	2.9400e-003	0.0525		445.5093	445.5093	0.0262		446.1640

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	0.4752	3.5375	4.2816	7.6800e-003		0.1788	0.1788		0.1788	0.1788	0.0000	693.6973	693.6973	0.0428		694.7677
Total	0.4752	3.5375	4.2816	7.6800e-003		0.1788	0.1788		0.1788	0.1788	0.0000	693.6973	693.6973	0.0428		694.7677

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	0.0388	1.2696	0.3428	3.4100e-003	0.0896	2.4600e-003	0.0920	0.0258	2.3500e-003	0.0281		365.4310	365.4310	0.0242		366.0352
Worker	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288
Total	0.0735	1.2912	0.5937	4.2100e-003	0.1790	3.1000e-003	0.1821	0.0495	2.9400e-003	0.0525		445.5093	445.5093	0.0262		446.1640

3.7 Sidewalk Construction (Crawford) - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5153	3.7888	4.4920	8.1600e-003		0.1886	0.1886		0.1886	0.1886		728.1767	728.1767	0.0464		729.3366
Total	0.5153	3.7888	4.4920	8.1600e-003		0.1886	0.1886		0.1886	0.1886		728.1767	728.1767	0.0464		729.3366

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
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Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0388	1.2696	0.3428	3.4100e-003	0.0896	2.4600e-003	0.0920	0.0258	2.3500e-003	0.0281		365.4310	365.4310	0.0242		366.0352
Worker	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288
Total	0.0735	1.2912	0.5937	4.2100e-003	0.1790	3.1000e-003	0.1821	0.0495	2.9400e-003	0.0525		445.5093	445.5093	0.0262		446.1640

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	0.5153	3.7888	4.4920	8.1600e-003		0.1886	0.1886		0.1886	0.1886	0.0000	728.1767	728.1767	0.0464		729.3366
Total	0.5153	3.7888	4.4920	8.1600e-003		0.1886	0.1886		0.1886	0.1886	0.0000	728.1767	728.1767	0.0464		729.3366

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	0.0388	1.2696	0.3428	3.4100e-003	0.0896	2.4600e-003	0.0920	0.0258	2.3500e-003	0.0281		365.4310	365.4310	0.0242		366.0352

Worker	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288
Total	0.0735	1.2912	0.5937	4.2100e-003	0.1790	3.1000e-003	0.1821	0.0495	2.9400e-003	0.0525		445.5093	445.5093	0.0262		446.1640

3.8 Traffic Signal Modification - 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	1.0688	9.8937	7.5058	0.0222		0.4105	0.4105		0.3777	0.3777		2,145.4495	2,145.4495	0.6939		2,162.7966
Total	1.0688	9.8937	7.5058	0.0222		0.4105	0.4105		0.3777	0.3777		2,145.4495	2,145.4495	0.6939		2,162.7966

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	0.0388	1.2696	0.3428	3.4100e-003	0.0896	2.4600e-003	0.0920	0.0258	2.3500e-003	0.0281		365.4310	365.4310	0.0242		366.0352
Worker	0.0434	0.0271	0.3137	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		100.0979	100.0979	2.5200e-003		100.1609
Total	0.0822	1.2967	0.6565	4.4100e-003	0.2014	3.2600e-003	0.2046	0.0554	3.0900e-003	0.0585		465.5288	465.5288	0.0267		466.1961

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0688	9.8937	7.5058	0.0222		0.4105	0.4105		0.3777	0.3777	0.0000	2,145.4495	2,145.4495	0.6939		2,162.7966
Total	1.0688	9.8937	7.5058	0.0222		0.4105	0.4105		0.3777	0.3777	0.0000	2,145.4495	2,145.4495	0.6939		2,162.7966

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	0.0388	1.2696	0.3428	3.4100e-003	0.0896	2.4600e-003	0.0920	0.0258	2.3500e-003	0.0281		365.4310	365.4310	0.0242		366.0352
Worker	0.0434	0.0271	0.3137	1.0000e-003	0.1118	8.0000e-004	0.1126	0.0296	7.4000e-004	0.0304		100.0979	100.0979	2.5200e-003		100.1609
Total	0.0822	1.2967	0.6565	4.4100e-003	0.2014	3.2600e-003	0.2046	0.0554	3.0900e-003	0.0585		465.5288	465.5288	0.0267		466.1961

3.9 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
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Category	lb/day										lb/day					
Off-Road	0.7749	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585		1,455.5854	1,455.5854	0.4597		1,467.0772
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	0.7749	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585		1,455.5854	1,455.5854	0.4597		1,467.0772

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	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288
Total	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288

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	0.7749	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585	0.0000	1,455.5854	1,455.5854	0.4597		1,467.0772
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000

Total	0.7749	7.6063	9.8366	0.0152		0.3884	0.3884		0.3585	0.3585	0.0000	1,455.5854	1,455.5854	0.4597		1,467.0772
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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	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288
Total	0.0347	0.0217	0.2510	8.0000e-004	0.0894	6.4000e-004	0.0901	0.0237	5.9000e-004	0.0243		80.0783	80.0783	2.0200e-003		80.1288

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Non-Asphalt Surfaces	0.00	0.00	0.00		
Total	0.00	0.00	0.00		

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Non-Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Non-Asphalt Surfaces	0.552712	0.042774	0.202769	0.116939	0.015078	0.005847	0.021692	0.031910	0.002110	0.001769	0.004822	0.000710	0.000869

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

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

NaturalGas Unmitigated	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
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5.2 Energy by Land Use - NaturalGas

Unmitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

Mitigated

	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					
Other Non-Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Unmitigated	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	6.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0309					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Total	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004

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	6.6400e-003					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0309					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	2.0000e-005	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004
Total	0.0375	0.0000	2.0000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		4.4000e-004	4.4000e-004	0.0000		4.7000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
