

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

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San Bernardino-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.00	Acre	5.00	217,800.00	0
Parking Lot	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	427.1	CH4 Intensity (lb/MW hr)	0.027	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - MIG Modeler: C. Dugan. SCE CO2 intensity factor based on estimated 2022 RPS progress. CH4 and N2O factors based on EGRID 2018 data.

Land Use - Land use inputs reflect maximum surface area disturbance and addition of new parking area per conceptual site plan.

Construction Phase - Construction schedule shortened to reflect nature of project (minor improvements to existing City park).

Demolition - Demolition added to account for replacement of Tiny Tots building.

Vehicle Trips - Net trip rates from project Scoping Agreement and Trip Generation Memo (Ganddini, 2021). All trips assumed to be primary. Trip length reduced to account for local-serving nature of the park and the approximately 4-mile diameter of the City.

Vehicle Emission Factors - Annual emission factors updated per EMFAC2021 v1.0.1.

Vehicle Emission Factors - Summer emission factors updated per EMFAC2021 v1.0.1.

Vehicle Emission Factors - Winter emission factors updated per EMFAC2021 v1.0.1.

Energy Use -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	190.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	3/22/2024	12/29/2023
tblConstructionPhase	PhaseEndDate	1/26/2024	11/17/2023
tblConstructionPhase	PhaseEndDate	1/27/2023	1/13/2023
tblConstructionPhase	PhaseEndDate	3/10/2023	2/24/2023
tblConstructionPhase	PhaseEndDate	2/23/2024	12/15/2023
tblConstructionPhase	PhaseEndDate	2/10/2023	1/27/2023
tblConstructionPhase	PhaseStartDate	2/24/2024	12/16/2023
tblConstructionPhase	PhaseStartDate	3/11/2023	2/25/2023
tblConstructionPhase	PhaseStartDate	2/11/2023	1/28/2023
tblConstructionPhase	PhaseStartDate	1/27/2024	11/18/2023
tblConstructionPhase	PhaseStartDate	1/28/2023	1/14/2023

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tblProjectCharacteristics	CH4IntensityFactor	0.029	0.027
tblProjectCharacteristics	CO2IntensityFactor	702.44	427.1
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
tblVehicleEF	HHD	0.92	0.23
tblVehicleEF	HHD	0.04	0.15
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	2.21	5.33
tblVehicleEF	HHD	0.53	0.83
tblVehicleEF	HHD	1.68	1.3420e-003
tblVehicleEF	HHD	6,548.54	830.08
tblVehicleEF	HHD	1,428.49	1,556.23
tblVehicleEF	HHD	5.31	0.03
tblVehicleEF	HHD	18.65	4.03
tblVehicleEF	HHD	1.28	1.75
tblVehicleEF	HHD	20.21	2.63
tblVehicleEF	HHD	5.3430e-003	2.1770e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.3010e-003	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	5.1120e-003	2.0780e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8790e-003	8.8040e-003
tblVehicleEF	HHD	5.0720e-003	0.02
tblVehicleEF	HHD	4.3000e-005	1.0000e-006
tblVehicleEF	HHD	7.3000e-005	2.9600e-004
tblVehicleEF	HHD	2.7400e-003	7.4000e-005

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tblVehicleEF	HHD	0.59	0.32
tblVehicleEF	HHD	4.5000e-005	0.00
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	1.7500e-004	6.5200e-004
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.06	7.0810e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	8.1000e-005	0.00
tblVehicleEF	HHD	7.3000e-005	2.9600e-004
tblVehicleEF	HHD	2.7400e-003	7.4000e-005
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tblVehicleEF	HHD	4.5000e-005	0.00
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	1.7500e-004	6.5200e-004
tblVehicleEF	HHD	0.05	0.00
tblVehicleEF	HHD	0.87	0.23
tblVehicleEF	HHD	0.04	0.15
tblVehicleEF	HHD	0.08	0.00
tblVehicleEF	HHD	1.61	5.26
tblVehicleEF	HHD	0.53	0.83
tblVehicleEF	HHD	1.58	1.2670e-003
tblVehicleEF	HHD	6,937.59	821.66
tblVehicleEF	HHD	1,428.49	1,556.23
tblVehicleEF	HHD	5.31	0.03
tblVehicleEF	HHD	19.25	3.86
tblVehicleEF	HHD	1.20	1.65
tblVehicleEF	HHD	20.20	2.63

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tblVehicleEF	HHD	4.5050e-003	1.9140e-003
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tblVehicleEF	HHD	5.3010e-003	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
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tblVehicleEF	HHD	8.8790e-003	8.8040e-003
tblVehicleEF	HHD	5.0720e-003	0.02
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tblVehicleEF	HHD	9.8000e-005	0.00
tblVehicleEF	HHD	0.06	0.02
tblVehicleEF	HHD	1.7700e-004	6.9800e-004
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tblVehicleEF	HHD	0.07	7.0010e-003
tblVehicleEF	HHD	0.01	0.01
tblVehicleEF	HHD	7.9000e-005	0.00
tblVehicleEF	HHD	1.4200e-004	4.5500e-004
tblVehicleEF	HHD	3.0590e-003	8.1000e-005
tblVehicleEF	HHD	0.64	0.60
tblVehicleEF	HHD	9.8000e-005	0.00
tblVehicleEF	HHD	0.10	0.00
tblVehicleEF	HHD	1.7700e-004	6.9800e-004
tblVehicleEF	HHD	0.04	0.00

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tblVehicleEF	HHD	0.04	0.15
tblVehicleEF	HHD	0.08	0.00
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tblVehicleEF	HHD	0.53	0.83
tblVehicleEF	HHD	1.66	1.3320e-003
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tblVehicleEF	HHD	1,428.49	1,556.23
tblVehicleEF	HHD	5.31	0.03
tblVehicleEF	HHD	17.82	4.27
tblVehicleEF	HHD	1.26	1.72
tblVehicleEF	HHD	20.21	2.63
tblVehicleEF	HHD	6.5010e-003	2.5400e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.04
tblVehicleEF	HHD	5.3010e-003	0.03
tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	6.2190e-003	2.4260e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8790e-003	8.8040e-003
tblVehicleEF	HHD	5.0720e-003	0.02
tblVehicleEF	HHD	4.3000e-005	1.0000e-006
tblVehicleEF	HHD	7.1000e-005	3.0400e-004
tblVehicleEF	HHD	2.9460e-003	7.3000e-005
tblVehicleEF	HHD	0.63	0.30
tblVehicleEF	HHD	4.4000e-005	0.00
tblVehicleEF	HHD	0.06	0.02

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tblVehicleEF	HHD	1.8900e-004	6.8400e-004
tblVehicleEF	HHD	0.04	0.00
tblVehicleEF	HHD	0.06	7.1910e-003
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tblVehicleEF	HHD	8.0000e-005	0.00
tblVehicleEF	HHD	7.1000e-005	3.0400e-004
tblVehicleEF	HHD	2.9460e-003	7.3000e-005
tblVehicleEF	HHD	0.73	0.56
tblVehicleEF	HHD	4.4000e-005	0.00
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tblVehicleEF	HHD	1.8900e-004	6.8400e-004
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tblVehicleEF	LDA	3.4870e-003	2.1620e-003
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tblVehicleEF	LDA	0.99	2.77
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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.6390e-003	1.2370e-003
tblVehicleEF	LDA	2.2390e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.5090e-003	1.1380e-003
tblVehicleEF	LDA	2.0590e-003	1.8440e-003
tblVehicleEF	LDA	0.04	0.31

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tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	8.7420e-003	7.9890e-003
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.28
tblVehicleEF	LDA	2.3250e-003	2.6430e-003
tblVehicleEF	LDA	5.4500e-004	6.5900e-004
tblVehicleEF	LDA	0.04	0.31
tblVehicleEF	LDA	0.09	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.03	0.21
tblVehicleEF	LDA	0.06	0.31
tblVehicleEF	LDA	3.9680e-003	2.2990e-003
tblVehicleEF	LDA	3.5930e-003	0.06
tblVehicleEF	LDA	0.62	0.95
tblVehicleEF	LDA	0.82	2.32
tblVehicleEF	LDA	254.04	290.04
tblVehicleEF	LDA	52.85	65.83
tblVehicleEF	LDA	0.04	0.03
tblVehicleEF	LDA	0.06	0.21
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.6390e-003	1.2370e-003
tblVehicleEF	LDA	2.2390e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.5090e-003	1.1380e-003
tblVehicleEF	LDA	2.0590e-003	1.8440e-003

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tblVehicleEF	LDA	0.08	0.41
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	9.9310e-003	8.3870e-003
tblVehicleEF	LDA	0.03	0.22
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	2.5450e-003	2.8670e-003
tblVehicleEF	LDA	5.4200e-004	6.5100e-004
tblVehicleEF	LDA	0.08	0.41
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	0.01	0.27
tblVehicleEF	LDA	0.03	0.22
tblVehicleEF	LDA	0.05	0.27
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tblVehicleEF	LDA	227.08	263.22
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tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.6390e-003	1.2370e-003
tblVehicleEF	LDA	2.2390e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.5090e-003	1.1380e-003

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tblVehicleEF	LDA	2.0590e-003	1.8440e-003
tblVehicleEF	LDA	0.04	0.32
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	8.5140e-003	7.9260e-003
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tblVehicleEF	LDA	0.06	0.29
tblVehicleEF	LDA	2.2730e-003	2.6020e-003
tblVehicleEF	LDA	5.4500e-004	6.5900e-004
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tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.06	0.31
tblVehicleEF	LDT1	0.01	9.1720e-003
tblVehicleEF	LDT1	0.01	0.13
tblVehicleEF	LDT1	1.27	1.98
tblVehicleEF	LDT1	2.92	6.39
tblVehicleEF	LDT1	294.54	340.41
tblVehicleEF	LDT1	66.91	90.26
tblVehicleEF	LDT1	0.13	0.19
tblVehicleEF	LDT1	0.17	0.47
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.4790e-003	2.2560e-003
tblVehicleEF	LDT1	3.3490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003

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tblVehicleEF	LDT1	2.2820e-003	2.0760e-003
tblVehicleEF	LDT1	3.0800e-003	3.2370e-003
tblVehicleEF	LDT1	0.16	0.96
tblVehicleEF	LDT1	0.29	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.18	0.69
tblVehicleEF	LDT1	0.20	0.68
tblVehicleEF	LDT1	2.9610e-003	3.3650e-003
tblVehicleEF	LDT1	7.2000e-004	8.9200e-004
tblVehicleEF	LDT1	0.16	0.96
tblVehicleEF	LDT1	0.29	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.04	0.74
tblVehicleEF	LDT1	0.18	0.69
tblVehicleEF	LDT1	0.22	0.74
tblVehicleEF	LDT1	0.01	9.7300e-003
tblVehicleEF	LDT1	0.01	0.11
tblVehicleEF	LDT1	1.52	2.64
tblVehicleEF	LDT1	2.41	5.32
tblVehicleEF	LDT1	320.99	366.96
tblVehicleEF	LDT1	66.91	88.23
tblVehicleEF	LDT1	0.12	0.16
tblVehicleEF	LDT1	0.16	0.44
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.4790e-003	2.2560e-003
tblVehicleEF	LDT1	3.3490e-003	3.5200e-003

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tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.2820e-003	2.0760e-003
tblVehicleEF	LDT1	3.0800e-003	3.2370e-003
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tblVehicleEF	LDT1	0.36	0.25
tblVehicleEF	LDT1	0.24	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.18	0.72
tblVehicleEF	LDT1	0.17	0.58
tblVehicleEF	LDT1	3.2290e-003	3.6280e-003
tblVehicleEF	LDT1	7.1100e-004	8.7200e-004
tblVehicleEF	LDT1	0.33	1.28
tblVehicleEF	LDT1	0.36	0.25
tblVehicleEF	LDT1	0.24	0.00
tblVehicleEF	LDT1	0.04	0.63
tblVehicleEF	LDT1	0.18	0.72
tblVehicleEF	LDT1	0.18	0.64
tblVehicleEF	LDT1	0.01	9.0930e-003
tblVehicleEF	LDT1	0.01	0.13
tblVehicleEF	LDT1	1.21	1.86
tblVehicleEF	LDT1	2.88	6.41
tblVehicleEF	LDT1	288.31	335.53
tblVehicleEF	LDT1	66.91	90.30
tblVehicleEF	LDT1	0.12	0.18
tblVehicleEF	LDT1	0.17	0.46
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.4790e-003	2.2560e-003

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tblVehicleEF	LDT1	3.3490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.2820e-003	2.0760e-003
tblVehicleEF	LDT1	3.0800e-003	3.2370e-003
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.34	0.23
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.21	0.71
tblVehicleEF	LDT1	0.20	0.68
tblVehicleEF	LDT1	2.8980e-003	3.3170e-003
tblVehicleEF	LDT1	7.2000e-004	8.9300e-004
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.34	0.23
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.04	0.75
tblVehicleEF	LDT1	0.21	0.71
tblVehicleEF	LDT1	0.22	0.75
tblVehicleEF	LDT2	5.3570e-003	3.0530e-003
tblVehicleEF	LDT2	6.4770e-003	0.08
tblVehicleEF	LDT2	0.71	0.90
tblVehicleEF	LDT2	1.39	3.45
tblVehicleEF	LDT2	328.11	346.22
tblVehicleEF	LDT2	74.12	86.80
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003

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tblVehicleEF	LDT2	1.7520e-003	1.3020e-003
tblVehicleEF	LDT2	2.4320e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.6110e-003	1.1970e-003
tblVehicleEF	LDT2	2.2360e-003	1.9060e-003
tblVehicleEF	LDT2	0.06	0.34
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.23
tblVehicleEF	LDT2	0.09	0.37
tblVehicleEF	LDT2	3.2870e-003	3.4220e-003
tblVehicleEF	LDT2	7.6500e-004	8.5800e-004
tblVehicleEF	LDT2	0.06	0.34
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.06	0.23
tblVehicleEF	LDT2	0.10	0.40
tblVehicleEF	LDT2	6.0780e-003	3.2450e-003
tblVehicleEF	LDT2	5.3990e-003	0.07
tblVehicleEF	LDT2	0.87	1.21
tblVehicleEF	LDT2	1.15	2.89
tblVehicleEF	LDT2	358.16	370.27
tblVehicleEF	LDT2	74.12	85.74
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.30

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tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.7520e-003	1.3020e-003
tblVehicleEF	LDT2	2.4320e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.6110e-003	1.1970e-003
tblVehicleEF	LDT2	2.2360e-003	1.9060e-003
tblVehicleEF	LDT2	0.12	0.44
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.10	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	0.07	0.31
tblVehicleEF	LDT2	3.5890e-003	3.6600e-003
tblVehicleEF	LDT2	7.6000e-004	8.4800e-004
tblVehicleEF	LDT2	0.12	0.44
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.10	0.00
tblVehicleEF	LDT2	0.02	0.34
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	0.08	0.34
tblVehicleEF	LDT2	5.2180e-003	3.0280e-003
tblVehicleEF	LDT2	6.4370e-003	0.08
tblVehicleEF	LDT2	0.67	0.84
tblVehicleEF	LDT2	1.37	3.46
tblVehicleEF	LDT2	321.03	341.80
tblVehicleEF	LDT2	74.12	86.82
tblVehicleEF	LDT2	0.07	0.07

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tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.7520e-003	1.3020e-003
tblVehicleEF	LDT2	2.4320e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.6110e-003	1.1970e-003
tblVehicleEF	LDT2	2.2360e-003	1.9060e-003
tblVehicleEF	LDT2	0.06	0.35
tblVehicleEF	LDT2	0.12	0.08
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.23
tblVehicleEF	LDT2	0.09	0.37
tblVehicleEF	LDT2	3.2150e-003	3.3790e-003
tblVehicleEF	LDT2	7.6400e-004	8.5800e-004
tblVehicleEF	LDT2	0.06	0.35
tblVehicleEF	LDT2	0.12	0.08
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.07	0.23
tblVehicleEF	LDT2	0.10	0.40
tblVehicleEF	LHD1	4.8470e-003	5.1500e-003
tblVehicleEF	LHD1	0.01	5.3540e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.89	0.81
tblVehicleEF	LHD1	2.31	1.91

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tblVehicleEF	LHD1	9.22	8.94
tblVehicleEF	LHD1	599.78	565.14
tblVehicleEF	LHD1	29.30	16.42
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	1.82	0.81
tblVehicleEF	LHD1	0.92	0.41
tblVehicleEF	LHD1	9.6000e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.6900e-004	2.3000e-004
tblVehicleEF	LHD1	9.1800e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5600e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	7.9900e-004	2.1200e-004
tblVehicleEF	LHD1	3.4980e-003	0.14
tblVehicleEF	LHD1	0.11	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7520e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.24	0.11
tblVehicleEF	LHD1	9.2000e-005	8.7000e-005
tblVehicleEF	LHD1	5.8770e-003	5.5060e-003
tblVehicleEF	LHD1	3.3600e-004	1.6200e-004
tblVehicleEF	LHD1	3.4980e-003	0.14

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tblVehicleEF	LHD1	0.11	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7520e-003	0.00
tblVehicleEF	LHD1	0.09	0.11
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.26	0.12
tblVehicleEF	LHD1	4.8470e-003	5.1680e-003
tblVehicleEF	LHD1	0.01	5.4730e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.91	0.82
tblVehicleEF	LHD1	2.16	1.81
tblVehicleEF	LHD1	9.22	8.94
tblVehicleEF	LHD1	599.78	565.17
tblVehicleEF	LHD1	29.30	16.26
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	1.71	0.76
tblVehicleEF	LHD1	0.88	0.39
tblVehicleEF	LHD1	9.6000e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.6900e-004	2.3000e-004
tblVehicleEF	LHD1	9.1800e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5600e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01

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tblVehicleEF	LHD1	7.9900e-004	2.1200e-004
tblVehicleEF	LHD1	6.8610e-003	0.18
tblVehicleEF	LHD1	0.13	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	3.9020e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.20
tblVehicleEF	LHD1	0.22	0.10
tblVehicleEF	LHD1	9.2000e-005	8.7000e-005
tblVehicleEF	LHD1	5.8770e-003	5.5060e-003
tblVehicleEF	LHD1	3.3400e-004	1.6100e-004
tblVehicleEF	LHD1	6.8610e-003	0.18
tblVehicleEF	LHD1	0.13	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	3.9020e-003	0.00
tblVehicleEF	LHD1	0.09	0.10
tblVehicleEF	LHD1	0.35	0.20
tblVehicleEF	LHD1	0.24	0.11
tblVehicleEF	LHD1	4.8470e-003	5.1520e-003
tblVehicleEF	LHD1	0.01	5.3800e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.89	0.81
tblVehicleEF	LHD1	2.27	1.90
tblVehicleEF	LHD1	9.22	8.94
tblVehicleEF	LHD1	599.78	565.15
tblVehicleEF	LHD1	29.30	16.41

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tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	1.79	0.80
tblVehicleEF	LHD1	0.91	0.40
tblVehicleEF	LHD1	9.6000e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.6900e-004	2.3000e-004
tblVehicleEF	LHD1	9.1800e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5600e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	7.9900e-004	2.1200e-004
tblVehicleEF	LHD1	3.7620e-003	0.14
tblVehicleEF	LHD1	0.12	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7190e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.19
tblVehicleEF	LHD1	0.23	0.11
tblVehicleEF	LHD1	9.2000e-005	8.7000e-005
tblVehicleEF	LHD1	5.8770e-003	5.5060e-003
tblVehicleEF	LHD1	3.3600e-004	1.6200e-004
tblVehicleEF	LHD1	3.7620e-003	0.14
tblVehicleEF	LHD1	0.12	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7190e-003	0.00

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tblVehicleEF	LHD1	0.09	0.11
tblVehicleEF	LHD1	0.38	0.19
tblVehicleEF	LHD1	0.26	0.12
tblVehicleEF	LHD2	3.2790e-003	3.5200e-003
tblVehicleEF	LHD2	3.7300e-003	4.0610e-003
tblVehicleEF	LHD2	6.5990e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.40	0.44
tblVehicleEF	LHD2	1.07	1.20
tblVehicleEF	LHD2	14.16	13.76
tblVehicleEF	LHD2	600.81	624.19
tblVehicleEF	LHD2	23.70	10.55
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.10	0.91
tblVehicleEF	LHD2	0.46	0.27
tblVehicleEF	LHD2	1.2350e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6900e-004	1.0700e-004
tblVehicleEF	LHD2	1.1820e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6940e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.3900e-004	9.9000e-005
tblVehicleEF	LHD2	1.1430e-003	0.08
tblVehicleEF	LHD2	0.03	0.02

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tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.3600e-004	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3200e-004
tblVehicleEF	LHD2	5.8420e-003	6.0160e-003
tblVehicleEF	LHD2	2.5600e-004	1.0400e-004
tblVehicleEF	LHD2	1.1430e-003	0.08
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3600e-004	0.00
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	3.2790e-003	3.5320e-003
tblVehicleEF	LHD2	3.7760e-003	4.0900e-003
tblVehicleEF	LHD2	6.3100e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.40	0.45
tblVehicleEF	LHD2	1.01	1.14
tblVehicleEF	LHD2	14.16	13.76
tblVehicleEF	LHD2	600.81	624.20
tblVehicleEF	LHD2	23.70	10.44
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.04	0.86
tblVehicleEF	LHD2	0.44	0.26

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tblVehicleEF	LHD2	1.2350e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6900e-004	1.0700e-004
tblVehicleEF	LHD2	1.1820e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6940e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.3900e-004	9.9000e-005
tblVehicleEF	LHD2	2.1960e-003	0.11
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.3570e-003	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.09	0.06
tblVehicleEF	LHD2	1.3800e-004	1.3200e-004
tblVehicleEF	LHD2	5.8420e-003	6.0160e-003
tblVehicleEF	LHD2	2.5500e-004	1.0300e-004
tblVehicleEF	LHD2	2.1960e-003	0.11
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3570e-003	0.00
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.09	0.07

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tblVehicleEF	LHD2	3.2790e-003	3.5210e-003
tblVehicleEF	LHD2	3.7350e-003	4.0640e-003
tblVehicleEF	LHD2	6.5440e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.40	0.44
tblVehicleEF	LHD2	1.06	1.20
tblVehicleEF	LHD2	14.16	13.76
tblVehicleEF	LHD2	600.81	624.19
tblVehicleEF	LHD2	23.70	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.09	0.90
tblVehicleEF	LHD2	0.45	0.27
tblVehicleEF	LHD2	1.2350e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6900e-004	1.0700e-004
tblVehicleEF	LHD2	1.1820e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6940e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.3900e-004	9.9000e-005
tblVehicleEF	LHD2	1.1520e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.2000e-004	0.00
tblVehicleEF	LHD2	0.05	0.07

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tblVehicleEF	LHD2	0.08	0.10
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3200e-004
tblVehicleEF	LHD2	5.8420e-003	6.0160e-003
tblVehicleEF	LHD2	2.5600e-004	1.0400e-004
tblVehicleEF	LHD2	1.1520e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.2000e-004	0.00
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.10
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	MCY	0.44	0.17
tblVehicleEF	MCY	0.16	0.18
tblVehicleEF	MCY	19.74	13.35
tblVehicleEF	MCY	9.96	7.71
tblVehicleEF	MCY	169.37	188.52
tblVehicleEF	MCY	45.59	48.91
tblVehicleEF	MCY	1.15	0.58
tblVehicleEF	MCY	0.31	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9350e-003	1.8650e-003
tblVehicleEF	MCY	3.3460e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8090e-003	1.7450e-003
tblVehicleEF	MCY	3.1480e-003	3.0800e-003
tblVehicleEF	MCY	1.44	2.51

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tblVehicleEF	MCY	0.81	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.20	1.12
tblVehicleEF	MCY	0.47	3.79
tblVehicleEF	MCY	2.13	1.31
tblVehicleEF	MCY	2.0800e-003	1.8640e-003
tblVehicleEF	MCY	6.8100e-004	4.8400e-004
tblVehicleEF	MCY	1.44	2.51
tblVehicleEF	MCY	0.81	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.72	1.42
tblVehicleEF	MCY	0.47	3.79
tblVehicleEF	MCY	2.32	1.42
tblVehicleEF	MCY	0.43	0.17
tblVehicleEF	MCY	0.13	0.16
tblVehicleEF	MCY	19.87	13.50
tblVehicleEF	MCY	9.04	6.98
tblVehicleEF	MCY	169.37	188.72
tblVehicleEF	MCY	45.59	47.22
tblVehicleEF	MCY	0.98	0.51
tblVehicleEF	MCY	0.29	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9350e-003	1.8650e-003
tblVehicleEF	MCY	3.3460e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8090e-003	1.7450e-003
tblVehicleEF	MCY	3.1480e-003	3.0800e-003

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tblVehicleEF	MCY	3.11	3.79
tblVehicleEF	MCY	1.24	3.76
tblVehicleEF	MCY	2.09	0.00
tblVehicleEF	MCY	2.15	1.11
tblVehicleEF	MCY	0.47	3.96
tblVehicleEF	MCY	1.84	1.15
tblVehicleEF	MCY	2.0800e-003	1.8660e-003
tblVehicleEF	MCY	6.5700e-004	4.6700e-004
tblVehicleEF	MCY	3.11	3.79
tblVehicleEF	MCY	1.24	3.76
tblVehicleEF	MCY	2.09	0.00
tblVehicleEF	MCY	2.66	1.25
tblVehicleEF	MCY	0.47	3.96
tblVehicleEF	MCY	2.00	1.25
tblVehicleEF	MCY	0.43	0.17
tblVehicleEF	MCY	0.15	0.18
tblVehicleEF	MCY	18.88	13.14
tblVehicleEF	MCY	9.60	7.60
tblVehicleEF	MCY	169.37	188.16
tblVehicleEF	MCY	45.59	48.67
tblVehicleEF	MCY	1.11	0.57
tblVehicleEF	MCY	0.31	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9350e-003	1.8650e-003
tblVehicleEF	MCY	3.3460e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8090e-003	1.7450e-003

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tblVehicleEF	MCY	3.1480e-003	3.0800e-003
tblVehicleEF	MCY	1.69	2.59
tblVehicleEF	MCY	1.09	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.17	1.11
tblVehicleEF	MCY	0.53	4.07
tblVehicleEF	MCY	2.06	1.29
tblVehicleEF	MCY	2.0660e-003	1.8600e-003
tblVehicleEF	MCY	6.7300e-004	4.8100e-004
tblVehicleEF	MCY	1.69	2.59
tblVehicleEF	MCY	1.09	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.68	1.40
tblVehicleEF	MCY	0.53	4.07
tblVehicleEF	MCY	2.24	1.40
tblVehicleEF	MDV	0.01	4.4100e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.13	1.10
tblVehicleEF	MDV	2.68	3.91
tblVehicleEF	MDV	455.56	424.26
tblVehicleEF	MDV	101.88	106.70
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.7950e-003	1.4370e-003
tblVehicleEF	MDV	2.4230e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003

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tblVehicleEF	MDV	1.6540e-003	1.3250e-003
tblVehicleEF	MDV	2.2280e-003	2.0250e-003
tblVehicleEF	MDV	0.09	0.46
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.20	0.53
tblVehicleEF	MDV	4.5620e-003	4.1920e-003
tblVehicleEF	MDV	1.0660e-003	1.0550e-003
tblVehicleEF	MDV	0.09	0.46
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.04	0.57
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.22	0.57
tblVehicleEF	MDV	0.01	4.6900e-003
tblVehicleEF	MDV	0.01	0.09
tblVehicleEF	MDV	1.38	1.47
tblVehicleEF	MDV	2.22	3.28
tblVehicleEF	MDV	495.92	449.20
tblVehicleEF	MDV	101.88	105.44
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.7950e-003	1.4370e-003
tblVehicleEF	MDV	2.4230e-003	2.2020e-003

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tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.6540e-003	1.3250e-003
tblVehicleEF	MDV	2.2280e-003	2.0250e-003
tblVehicleEF	MDV	0.19	0.58
tblVehicleEF	MDV	0.22	0.12
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.17	0.45
tblVehicleEF	MDV	4.9690e-003	4.4390e-003
tblVehicleEF	MDV	1.0570e-003	1.0420e-003
tblVehicleEF	MDV	0.19	0.58
tblVehicleEF	MDV	0.22	0.12
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.04	0.49
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.19	0.49
tblVehicleEF	MDV	0.01	4.3700e-003
tblVehicleEF	MDV	0.01	0.11
tblVehicleEF	MDV	1.07	1.03
tblVehicleEF	MDV	2.64	3.93
tblVehicleEF	MDV	446.15	419.67
tblVehicleEF	MDV	101.88	106.73
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.7950e-003	1.4370e-003

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tblVehicleEF	MDV	2.4230e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.6540e-003	1.3250e-003
tblVehicleEF	MDV	2.2280e-003	2.0250e-003
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.21	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.12	0.33
tblVehicleEF	MDV	0.20	0.53
tblVehicleEF	MDV	4.4680e-003	4.1470e-003
tblVehicleEF	MDV	1.0650e-003	1.0550e-003
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.21	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.04	0.58
tblVehicleEF	MDV	0.12	0.33
tblVehicleEF	MDV	0.22	0.58
tblVehicleEF	MH	0.03	8.7020e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.16	1.05
tblVehicleEF	MH	5.58	2.33
tblVehicleEF	MH	1,051.62	1,541.49
tblVehicleEF	MH	58.77	22.42
tblVehicleEF	MH	1.36	1.38
tblVehicleEF	MH	0.83	0.30
tblVehicleEF	MH	0.13	0.04

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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	1.0410e-003	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2250e-003	3.2850e-003
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	9.5800e-004	2.5100e-004
tblVehicleEF	MH	1.28	35.26
tblVehicleEF	MH	0.08	8.42
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.08	0.05
tblVehicleEF	MH	0.03	0.19
tblVehicleEF	MH	0.32	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	6.8500e-004	2.2200e-004
tblVehicleEF	MH	1.28	35.26
tblVehicleEF	MH	0.08	8.42
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.03	0.19
tblVehicleEF	MH	0.35	0.12
tblVehicleEF	MH	0.03	8.9030e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.24	1.07
tblVehicleEF	MH	5.08	2.17
tblVehicleEF	MH	1,051.62	1,541.54
tblVehicleEF	MH	58.77	22.14

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tblVehicleEF	MH	1.24	1.28
tblVehicleEF	MH	0.79	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	1.0410e-003	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2250e-003	3.2850e-003
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	9.5800e-004	2.5100e-004
tblVehicleEF	MH	2.51	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.05	0.00
tblVehicleEF	MH	0.08	0.05
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.30	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	6.7600e-004	2.1900e-004
tblVehicleEF	MH	2.51	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.05	0.00
tblVehicleEF	MH	0.12	0.11
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.33	0.11
tblVehicleEF	MH	0.03	8.7090e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.17	1.05

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tblVehicleEF	MH	5.52	2.34
tblVehicleEF	MH	1,051.62	1,541.49
tblVehicleEF	MH	58.77	22.43
tblVehicleEF	MH	1.33	1.36
tblVehicleEF	MH	0.82	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	1.0410e-003	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2250e-003	3.2850e-003
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	9.5800e-004	2.5100e-004
tblVehicleEF	MH	1.50	35.35
tblVehicleEF	MH	0.10	8.37
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.08	0.05
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.32	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	6.8400e-004	2.2200e-004
tblVehicleEF	MH	1.50	35.35
tblVehicleEF	MH	0.10	8.37
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.35	0.12

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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.6000e-003	7.7320e-003
tblVehicleEF	MHD	0.04	6.3740e-003
tblVehicleEF	MHD	0.30	0.64
tblVehicleEF	MHD	0.23	0.23
tblVehicleEF	MHD	4.34	0.73
tblVehicleEF	MHD	155.87	160.75
tblVehicleEF	MHD	1,101.40	1,134.10
tblVehicleEF	MHD	50.42	6.25
tblVehicleEF	MHD	0.42	0.84
tblVehicleEF	MHD	0.64	0.73
tblVehicleEF	MHD	12.05	1.48
tblVehicleEF	MHD	1.0400e-004	1.4030e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	2.7700e-003	9.1060e-003
tblVehicleEF	MHD	6.8900e-004	7.0000e-005
tblVehicleEF	MHD	9.9000e-005	1.3420e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	2.6470e-003	8.7080e-003
tblVehicleEF	MHD	6.3400e-004	6.4000e-005
tblVehicleEF	MHD	1.0590e-003	0.02
tblVehicleEF	MHD	0.04	4.8250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.6000e-004	0.00
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.27	0.03

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tblVehicleEF	MHD	1.4970e-003	1.4790e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.8000e-004	6.2000e-005
tblVehicleEF	MHD	1.0590e-003	0.02
tblVehicleEF	MHD	0.04	4.8250e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	5.6000e-004	0.00
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.29	0.04
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	2.6390e-003	7.7620e-003
tblVehicleEF	MHD	0.04	6.1230e-003
tblVehicleEF	MHD	0.22	0.60
tblVehicleEF	MHD	0.23	0.23
tblVehicleEF	MHD	4.06	0.69
tblVehicleEF	MHD	165.10	159.41
tblVehicleEF	MHD	1,101.40	1,134.11
tblVehicleEF	MHD	50.42	6.18
tblVehicleEF	MHD	0.44	0.81
tblVehicleEF	MHD	0.60	0.69
tblVehicleEF	MHD	12.02	1.48
tblVehicleEF	MHD	8.7000e-005	1.1930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	2.7700e-003	9.1060e-003
tblVehicleEF	MHD	6.8900e-004	7.0000e-005
tblVehicleEF	MHD	8.4000e-005	1.1410e-003

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tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	2.6470e-003	8.7080e-003
tblVehicleEF	MHD	6.3400e-004	6.4000e-005
tblVehicleEF	MHD	2.0770e-003	0.03
tblVehicleEF	MHD	0.04	5.2310e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.2630e-003	0.00
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.25	0.03
tblVehicleEF	MHD	1.5840e-003	1.4660e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.7500e-004	6.1000e-005
tblVehicleEF	MHD	2.0770e-003	0.03
tblVehicleEF	MHD	0.04	5.2310e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.2630e-003	0.00
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.28	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.6040e-003	7.7330e-003
tblVehicleEF	MHD	0.04	6.3290e-003
tblVehicleEF	MHD	0.41	0.70
tblVehicleEF	MHD	0.23	0.23
tblVehicleEF	MHD	4.27	0.72
tblVehicleEF	MHD	143.11	162.59

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tblVehicleEF	MHD	1,101.40	1,134.10
tblVehicleEF	MHD	50.42	6.24
tblVehicleEF	MHD	0.40	0.88
tblVehicleEF	MHD	0.63	0.72
tblVehicleEF	MHD	12.04	1.48
tblVehicleEF	MHD	1.2600e-004	1.6930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	2.7700e-003	9.1060e-003
tblVehicleEF	MHD	6.8900e-004	7.0000e-005
tblVehicleEF	MHD	1.2100e-004	1.6190e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	2.6470e-003	8.7080e-003
tblVehicleEF	MHD	6.3400e-004	6.4000e-005
tblVehicleEF	MHD	1.1160e-003	0.02
tblVehicleEF	MHD	0.04	4.7950e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.4700e-004	0.00
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.26	0.03
tblVehicleEF	MHD	1.3770e-003	1.4960e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.7900e-004	6.2000e-005
tblVehicleEF	MHD	1.1160e-003	0.02
tblVehicleEF	MHD	0.04	4.7950e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	5.4700e-004	0.00

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tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.29	0.04
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.2410e-003	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.24	0.52
tblVehicleEF	OBUS	0.47	0.91
tblVehicleEF	OBUS	5.59	2.72
tblVehicleEF	OBUS	65.08	72.64
tblVehicleEF	OBUS	1,122.26	1,461.31
tblVehicleEF	OBUS	70.20	22.62
tblVehicleEF	OBUS	0.12	0.27
tblVehicleEF	OBUS	0.45	1.09
tblVehicleEF	OBUS	1.81	0.69
tblVehicleEF	OBUS	1.1000e-005	5.7700e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	1.9630e-003	0.02
tblVehicleEF	OBUS	9.4500e-004	2.4100e-004
tblVehicleEF	OBUS	1.1000e-005	5.5200e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	1.8550e-003	0.02
tblVehicleEF	OBUS	8.6900e-004	2.2100e-004
tblVehicleEF	OBUS	1.9890e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.6300e-004	0.00

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tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.34	0.13
tblVehicleEF	OBUS	6.3300e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0000e-004	2.2400e-004
tblVehicleEF	OBUS	1.9890e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	8.6300e-004	0.00
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.38	0.15
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.4380e-003	0.04
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.24	0.51
tblVehicleEF	OBUS	0.49	0.93
tblVehicleEF	OBUS	5.12	2.53
tblVehicleEF	OBUS	67.92	72.07
tblVehicleEF	OBUS	1,122.26	1,461.34
tblVehicleEF	OBUS	70.20	22.30
tblVehicleEF	OBUS	0.13	0.26
tblVehicleEF	OBUS	0.41	1.01
tblVehicleEF	OBUS	1.76	0.67
tblVehicleEF	OBUS	9.0000e-006	4.9300e-004
tblVehicleEF	OBUS	0.13	0.05

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tblVehicleEF	OBUS	1.9630e-003	0.02
tblVehicleEF	OBUS	9.4500e-004	2.4100e-004
tblVehicleEF	OBUS	9.0000e-006	4.7100e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	1.8550e-003	0.02
tblVehicleEF	OBUS	8.6900e-004	2.2100e-004
tblVehicleEF	OBUS	3.8500e-003	0.18
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.9610e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.32	0.13
tblVehicleEF	OBUS	6.6000e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9200e-004	2.2000e-004
tblVehicleEF	OBUS	3.8500e-003	0.18
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	1.9610e-003	0.00
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.36	0.14
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.2610e-003	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.25	0.53

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tblVehicleEF	OBUS	0.48	0.92
tblVehicleEF	OBUS	5.55	2.72
tblVehicleEF	OBUS	61.15	73.43
tblVehicleEF	OBUS	1,122.26	1,461.31
tblVehicleEF	OBUS	70.20	22.63
tblVehicleEF	OBUS	0.12	0.29
tblVehicleEF	OBUS	0.44	1.07
tblVehicleEF	OBUS	1.79	0.68
tblVehicleEF	OBUS	1.4000e-005	6.9400e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	1.9630e-003	0.02
tblVehicleEF	OBUS	9.4500e-004	2.4100e-004
tblVehicleEF	OBUS	1.3000e-005	6.6400e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	1.8550e-003	0.02
tblVehicleEF	OBUS	8.6900e-004	2.2100e-004
tblVehicleEF	OBUS	2.0720e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.6200e-004	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.34	0.13
tblVehicleEF	OBUS	5.9600e-004	6.6300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.2400e-004
tblVehicleEF	OBUS	2.0720e-003	0.13

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tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	8.6200e-004	0.00
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.38	0.15
tblVehicleEF	SBUS	0.83	0.51
tblVehicleEF	SBUS	9.2120e-003	1.34
tblVehicleEF	SBUS	0.06	6.8410e-003
tblVehicleEF	SBUS	5.90	2.91
tblVehicleEF	SBUS	0.56	5.05
tblVehicleEF	SBUS	5.13	0.89
tblVehicleEF	SBUS	1,231.15	269.17
tblVehicleEF	SBUS	1,120.79	1,227.15
tblVehicleEF	SBUS	39.22	5.44
tblVehicleEF	SBUS	10.14	1.14
tblVehicleEF	SBUS	3.99	2.37
tblVehicleEF	SBUS	14.61	0.18
tblVehicleEF	SBUS	9.1600e-003	1.6750e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.6800e-004	5.3000e-005
tblVehicleEF	SBUS	8.7640e-003	1.5850e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7400e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	5.2200e-004	4.9000e-005
tblVehicleEF	SBUS	2.9390e-003	0.06
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.70	0.27
tblVehicleEF	SBUS	1.3780e-003	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	9.1030e-003	0.03
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	1.2750e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	4.8100e-004	5.4000e-005
tblVehicleEF	SBUS	2.9390e-003	0.06
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.00	0.84
tblVehicleEF	SBUS	1.3780e-003	0.00
tblVehicleEF	SBUS	0.12	0.20
tblVehicleEF	SBUS	9.1030e-003	0.03
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.83	0.51
tblVehicleEF	SBUS	9.3730e-003	1.34
tblVehicleEF	SBUS	0.05	5.7300e-003
tblVehicleEF	SBUS	5.77	2.90
tblVehicleEF	SBUS	0.57	5.06
tblVehicleEF	SBUS	3.51	0.64
tblVehicleEF	SBUS	1,292.80	271.88
tblVehicleEF	SBUS	1,120.79	1,227.18
tblVehicleEF	SBUS	39.22	5.03

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tblVehicleEF	SBUS	10.46	1.17
tblVehicleEF	SBUS	3.74	2.22
tblVehicleEF	SBUS	14.58	0.17
tblVehicleEF	SBUS	7.7220e-003	1.4890e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.6800e-004	5.3000e-005
tblVehicleEF	SBUS	7.3880e-003	1.4070e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7400e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.2200e-004	4.9000e-005
tblVehicleEF	SBUS	5.5960e-003	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.70	0.27
tblVehicleEF	SBUS	2.9710e-003	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	8.3110e-003	0.03
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	1.3010e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	4.5400e-004	5.0000e-005
tblVehicleEF	SBUS	5.5960e-003	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.00	0.84
tblVehicleEF	SBUS	2.9710e-003	0.00

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	0.12	0.16
tblVehicleEF	SBUS	8.3110e-003	0.03
tblVehicleEF	SBUS	0.24	0.04
tblVehicleEF	SBUS	0.83	0.51
tblVehicleEF	SBUS	9.2160e-003	1.34
tblVehicleEF	SBUS	0.06	7.0470e-003
tblVehicleEF	SBUS	6.08	2.92
tblVehicleEF	SBUS	0.56	5.05
tblVehicleEF	SBUS	5.17	0.93
tblVehicleEF	SBUS	1,146.01	265.43
tblVehicleEF	SBUS	1,120.79	1,227.15
tblVehicleEF	SBUS	39.22	5.51
tblVehicleEF	SBUS	9.69	1.11
tblVehicleEF	SBUS	3.93	2.33
tblVehicleEF	SBUS	14.61	0.18
tblVehicleEF	SBUS	0.01	1.9330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.6800e-004	5.3000e-005
tblVehicleEF	SBUS	0.01	1.8320e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7400e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.2200e-004	4.9000e-005
tblVehicleEF	SBUS	2.8670e-003	0.06
tblVehicleEF	SBUS	0.02	0.01

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

tblVehicleEF	SBUS	0.70	0.27
tblVehicleEF	SBUS	1.3540e-003	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	1.2400e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	4.8200e-004	5.4000e-005
tblVehicleEF	SBUS	2.8670e-003	0.06
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.01	0.84
tblVehicleEF	SBUS	1.3540e-003	0.00
tblVehicleEF	SBUS	0.12	0.20
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	UBUS	1.62	2.00
tblVehicleEF	UBUS	0.08	7.8120e-003
tblVehicleEF	UBUS	8.33	27.99
tblVehicleEF	UBUS	13.39	1.09
tblVehicleEF	UBUS	1,818.42	1,626.34
tblVehicleEF	UBUS	138.62	7.58
tblVehicleEF	UBUS	4.85	0.39
tblVehicleEF	UBUS	13.25	0.07
tblVehicleEF	UBUS	0.51	0.10
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.05	1.7180e-003
tblVehicleEF	UBUS	1.4450e-003	4.0000e-005

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	0.22	0.04
tblVehicleEF	UBUS	3.0000e-003	7.1750e-003
tblVehicleEF	UBUS	0.05	1.6380e-003
tblVehicleEF	UBUS	1.3280e-003	3.6000e-005
tblVehicleEF	UBUS	7.4710e-003	0.02
tblVehicleEF	UBUS	0.10	4.9380e-003
tblVehicleEF	UBUS	3.6930e-003	0.00
tblVehicleEF	UBUS	0.49	0.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.10	0.03
tblVehicleEF	UBUS	9.7450e-003	9.6300e-004
tblVehicleEF	UBUS	1.6300e-003	7.5000e-005
tblVehicleEF	UBUS	7.4710e-003	0.02
tblVehicleEF	UBUS	0.10	4.9380e-003
tblVehicleEF	UBUS	3.6930e-003	0.00
tblVehicleEF	UBUS	2.17	0.02
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.20	0.03
tblVehicleEF	UBUS	1.63	2.00
tblVehicleEF	UBUS	0.07	7.1310e-003
tblVehicleEF	UBUS	8.41	27.99
tblVehicleEF	UBUS	11.00	0.93
tblVehicleEF	UBUS	1,818.42	1,626.34
tblVehicleEF	UBUS	138.62	7.32
tblVehicleEF	UBUS	4.50	0.38
tblVehicleEF	UBUS	13.14	0.07
tblVehicleEF	UBUS	0.51	0.10

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.05	1.7180e-003
tblVehicleEF	UBUS	1.4450e-003	4.0000e-005
tblVehicleEF	UBUS	0.22	0.04
tblVehicleEF	UBUS	3.0000e-003	7.1750e-003
tblVehicleEF	UBUS	0.05	1.6380e-003
tblVehicleEF	UBUS	1.3280e-003	3.6000e-005
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	5.3960e-003
tblVehicleEF	UBUS	8.6540e-003	0.00
tblVehicleEF	UBUS	0.50	0.04
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.98	0.03
tblVehicleEF	UBUS	9.7470e-003	9.6400e-004
tblVehicleEF	UBUS	1.5890e-003	7.2000e-005
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	5.3960e-003
tblVehicleEF	UBUS	8.6540e-003	0.00
tblVehicleEF	UBUS	2.18	0.02
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.07	0.03
tblVehicleEF	UBUS	1.62	2.00
tblVehicleEF	UBUS	0.08	7.8700e-003
tblVehicleEF	UBUS	8.34	27.99
tblVehicleEF	UBUS	12.95	1.10
tblVehicleEF	UBUS	1,818.42	1,626.34
tblVehicleEF	UBUS	138.62	7.61

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

tblVehicleEF	UBUS	4.76	0.39
tblVehicleEF	UBUS	13.23	0.07
tblVehicleEF	UBUS	0.51	0.10
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.05	1.7180e-003
tblVehicleEF	UBUS	1.4450e-003	4.0000e-005
tblVehicleEF	UBUS	0.22	0.04
tblVehicleEF	UBUS	3.0000e-003	7.1750e-003
tblVehicleEF	UBUS	0.05	1.6380e-003
tblVehicleEF	UBUS	1.3280e-003	3.6000e-005
tblVehicleEF	UBUS	8.4070e-003	0.02
tblVehicleEF	UBUS	0.13	4.9030e-003
tblVehicleEF	UBUS	3.8160e-003	0.00
tblVehicleEF	UBUS	0.49	0.03
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.08	0.03
tblVehicleEF	UBUS	9.7460e-003	9.6300e-004
tblVehicleEF	UBUS	1.6230e-003	7.5000e-005
tblVehicleEF	UBUS	8.4070e-003	0.02
tblVehicleEF	UBUS	0.13	4.9030e-003
tblVehicleEF	UBUS	3.8160e-003	0.00
tblVehicleEF	UBUS	2.17	0.02
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.18	0.03
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	10.00

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

tblVehicleTrips	CW_TTP	33.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	ST_TR	22.75	134.60
tblVehicleTrips	SU_TR	16.74	134.60
tblVehicleTrips	WD_TR	1.89	134.60

2.0 Emissions Summary

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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	2.0057	3.8446	22.0628	0.0632	4.8178	0.0522	4.8700	1.2065	0.0492	1.2556		6,616.7970	6,616.7970	0.3783		6,626.2542
Total	2.1108	3.8446	22.0639	0.0632	4.8178	0.0522	4.8700	1.2065	0.0492	1.2556		6,616.7992	6,616.7992	0.3783	0.0000	6,626.2566

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	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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	2.0057	3.8446	22.0628	0.0632	4.8178	0.0522	4.8700	1.2065	0.0492	1.2556		6,616.7970	6,616.7970	0.3783		6,626.2542
Total	2.1108	3.8446	22.0639	0.0632	4.8178	0.0522	4.8700	1.2065	0.0492	1.2556		6,616.7992	6,616.7992	0.3783	0.0000	6,626.2566

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
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	Demolition	Demolition	1/1/2023	1/13/2023	5	10	
2	Site Preparation	Site Preparation	1/14/2023	1/27/2023	5	10	
3	Grading	Grading	1/28/2023	2/24/2023	5	20	
4	Building Construction	Building Construction	2/25/2023	11/17/2023	5	190	
5	Paving	Paving	11/18/2023	12/15/2023	5	20	
6	Architectural Coating	Architectural Coating	12/16/2023	12/29/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 13,068 (Architectural Coating – sqft)

OffRoad Equipment

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	20.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	183.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	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 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4430	0.0000	0.4430	0.0671	0.0000	0.0671			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.4430	0.9975	1.4405	0.0671	0.9280	0.9951		3,746.9840	3,746.9840	1.0494		3,773.2183

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.6600e-003	0.2806	0.0600	1.4800e-003	0.0350	4.9000e-004	0.0355	9.5900e-003	4.7000e-004	0.0101		157.6446	157.6446	7.2600e-003		157.8260
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0381	0.5238	1.5300e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		152.2425	152.2425	3.7500e-003		152.3363
Total	0.0743	0.3188	0.5838	3.0100e-003	0.2027	1.5000e-003	0.2042	0.0541	1.4000e-003	0.0555		309.8872	309.8872	0.0110		310.1623

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					0.1993	0.0000	0.1993	0.0302	0.0000	0.0302			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.1993	0.9975	1.1969	0.0302	0.9280	0.9582	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	7.6600e-003	0.2806	0.0600	1.4800e-003	0.0350	4.9000e-004	0.0355	9.5900e-003	4.7000e-004	0.0101		157.6446	157.6446	7.2600e-003		157.8260
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0381	0.5238	1.5300e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		152.2425	152.2425	3.7500e-003		152.3363
Total	0.0743	0.3188	0.5838	3.0100e-003	0.2027	1.5000e-003	0.2042	0.0541	1.4000e-003	0.0555		309.8872	309.8872	0.0110		310.1623

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	18.0663	1.2660	19.3323	9.9307	1.1647	11.0954		3,687.3081	3,687.3081	1.1926		3,717.1219

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0799	0.0458	0.6286	1.8300e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		182.6910	182.6910	4.5000e-003		182.8036
Total	0.0799	0.0458	0.6286	1.8300e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		182.6910	182.6910	4.5000e-003		182.8036

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	8.1298	1.2660	9.3958	4.4688	1.1647	5.6336	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0799	0.0458	0.6286	1.8300e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		182.6910	182.6910	4.5000e-003		182.8036
Total	0.0799	0.0458	0.6286	1.8300e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		182.6910	182.6910	4.5000e-003		182.8036

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	8.6733	1.4245	10.0978	3.5965	1.3105	4.9070		6,011.4777	6,011.4777	1.9442		6,060.0836

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0509	0.6984	2.0400e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		202.9900	202.9900	5.0000e-003		203.1151
Total	0.0888	0.0509	0.6984	2.0400e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		202.9900	202.9900	5.0000e-003		203.1151

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	3.9030	1.4245	5.3275	1.6184	1.3105	2.9290	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0888	0.0509	0.6984	2.0400e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		202.9900	202.9900	5.0000e-003		203.1151
Total	0.0888	0.0509	0.6984	2.0400e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		202.9900	202.9900	5.0000e-003		203.1151

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1293	5.0282	1.0380	0.0185	0.4547	4.8500e-003	0.4596	0.1309	4.6400e-003	0.1356		1,948.7333	1,948.7333	0.0993		1,951.2155
Worker	0.8124	0.4654	6.3905	0.0186	2.0455	0.0124	2.0579	0.5425	0.0114	0.5539		1,857.3588	1,857.3588	0.0458		1,858.5029
Total	0.9416	5.4936	7.4285	0.0371	2.5002	0.0172	2.5174	0.6734	0.0160	0.6894		3,806.0922	3,806.0922	0.1451		3,809.7183

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1293	5.0282	1.0380	0.0185	0.4547	4.8500e-003	0.4596	0.1309	4.6400e-003	0.1356		1,948.7333	1,948.7333	0.0993		1,951.2155
Worker	0.8124	0.4654	6.3905	0.0186	2.0455	0.0124	2.0579	0.5425	0.0114	0.5539		1,857.3588	1,857.3588	0.0458		1,858.5029
Total	0.9416	5.4936	7.4285	0.0371	2.5002	0.0172	2.5174	0.6734	0.0160	0.6894		3,806.0922	3,806.0922	0.1451		3,809.7183

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6877	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0381	0.5238	1.5300e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		152.2425	152.2425	3.7500e-003		152.3363
Total	0.0666	0.0381	0.5238	1.5300e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		152.2425	152.2425	3.7500e-003		152.3363

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6877	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0666	0.0381	0.5238	1.5300e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		152.2425	152.2425	3.7500e-003		152.3363
Total	0.0666	0.0381	0.5238	1.5300e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		152.2425	152.2425	3.7500e-003		152.3363

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.0570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	6.2487	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1642	0.0941	1.2921	3.7700e-003	0.4136	2.5000e-003	0.4161	0.1097	2.3000e-003	0.1120		375.5316	375.5316	9.2500e-003		375.7629
Total	0.1642	0.0941	1.2921	3.7700e-003	0.4136	2.5000e-003	0.4161	0.1097	2.3000e-003	0.1120		375.5316	375.5316	9.2500e-003		375.7629

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.0570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	6.2487	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1642	0.0941	1.2921	3.7700e-003	0.4136	2.5000e-003	0.4161	0.1097	2.3000e-003	0.1120		375.5316	375.5316	9.2500e-003		375.7629
Total	0.1642	0.0941	1.2921	3.7700e-003	0.4136	2.5000e-003	0.4161	0.1097	2.3000e-003	0.1120		375.5316	375.5316	9.2500e-003		375.7629

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2.0057	3.8446	22.0628	0.0632	4.8178	0.0522	4.8700	1.2065	0.0492	1.2556		6,616.7970	6,616.7970	0.3783		6,626.2542
Unmitigated	2.0057	3.8446	22.0628	0.0632	4.8178	0.0522	4.8700	1.2065	0.0492	1.2556		6,616.7970	6,616.7970	0.3783		6,626.2542

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	673.00	673.00	673.00	2,449,720	2,449,720
Parking Lot	0.00	0.00	0.00		
Total	673.00	673.00	673.00	2,449,720	2,449,720

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	10.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Parking Lot	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
City Park	0.558745	0.035303	0.181800	0.111169	0.014289	0.004794	0.018611	0.065078	0.001365	0.001491	0.005725	0.000799	0.000830
Parking Lot	0.558745	0.035303	0.181800	0.111169	0.014289	0.004794	0.018611	0.065078	0.001365	0.001491	0.005725	0.000799	0.000830

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

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

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Unmitigated	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0166					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Total	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0166					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Total	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

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

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Summer

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

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

Upland Memorial Park Upgrade and Improvements Project
San Bernardino-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.00	Acre	5.00	217,800.00	0
Parking Lot	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	427.1	CH4 Intensity (lb/MW hr)	0.027	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

Project Characteristics - MIG Modeler: C. Dugan. SCE CO2 intensity factor based on estiamted 2022 RPS progress. CH4 and N2O factors based on EGRID 2018 data.

Land Use - Land use inputs reflect maximum surface area disturbance and addition of new parking area per conceptual site plan.

Construction Phase - Construction schedule shortened to reflect nature of project (minor improvements to existing City park).

Demolition - Demolition added to account for replacement of Tiny Tots building.

Vehicle Trips - Net trip rates from project Scoping Agreement and Trip Generation Memo (Ganddini, 2021). All trips assumed to be primary. Trip length reduced to account for local-serving nature of the park and the approximately 4-mile diameter of the City.

Vehicle Emission Factors - Annual emission factors updated per EMFAC2021 v1.0.1.

Vehicle Emission Factors - Summer emission factors updated per EMFAC2021 v1.0.1.

Vehicle Emission Factors - Winter emission factors updated per EMFAC2021 v1.0.1.

Energy Use -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	230.00	190.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	3/22/2024	12/29/2023
tblConstructionPhase	PhaseEndDate	1/26/2024	11/17/2023
tblConstructionPhase	PhaseEndDate	1/27/2023	1/13/2023
tblConstructionPhase	PhaseEndDate	3/10/2023	2/24/2023
tblConstructionPhase	PhaseEndDate	2/23/2024	12/15/2023
tblConstructionPhase	PhaseEndDate	2/10/2023	1/27/2023
tblConstructionPhase	PhaseStartDate	2/24/2024	12/16/2023
tblConstructionPhase	PhaseStartDate	3/11/2023	2/25/2023
tblConstructionPhase	PhaseStartDate	2/11/2023	1/28/2023
tblConstructionPhase	PhaseStartDate	1/27/2024	11/18/2023
tblConstructionPhase	PhaseStartDate	1/28/2023	1/14/2023

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblProjectCharacteristics	CH4IntensityFactor	0.029	0.027
tblProjectCharacteristics	CO2IntensityFactor	702.44	427.1
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
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tblVehicleEF	HHD	0.04	0.04
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tblVehicleEF	HHD	4.7000e-005	1.0000e-006
tblVehicleEF	HHD	5.1120e-003	2.0780e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8790e-003	8.8040e-003
tblVehicleEF	HHD	5.0720e-003	0.02
tblVehicleEF	HHD	4.3000e-005	1.0000e-006
tblVehicleEF	HHD	7.3000e-005	2.9600e-004
tblVehicleEF	HHD	2.7400e-003	7.4000e-005

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	0.59	0.32
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tblVehicleEF	HHD	7.3000e-005	2.9600e-004
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tblVehicleEF	HHD	0.87	0.23
tblVehicleEF	HHD	0.04	0.15
tblVehicleEF	HHD	0.08	0.00
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tblVehicleEF	HHD	1,428.49	1,556.23
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tblVehicleEF	HHD	20.20	2.63

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	4.5050e-003	1.9140e-003
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tblVehicleEF	HHD	5.3010e-003	0.03
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tblVehicleEF	HHD	8.8790e-003	8.8040e-003
tblVehicleEF	HHD	5.0720e-003	0.02
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tblVehicleEF	HHD	7.9000e-005	0.00
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tblVehicleEF	HHD	0.64	0.60
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Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

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tblVehicleEF	HHD	20.21	2.63
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tblVehicleEF	HHD	8.8790e-003	8.8040e-003
tblVehicleEF	HHD	5.0720e-003	0.02
tblVehicleEF	HHD	4.3000e-005	1.0000e-006
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Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	HHD	1.8900e-004	6.8400e-004
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tblVehicleEF	LDA	2.0590e-003	1.8440e-003
tblVehicleEF	LDA	0.04	0.31

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.09	0.08
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tblVehicleEF	LDA	8.7420e-003	7.9890e-003
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tblVehicleEF	LDA	1.6390e-003	1.2370e-003
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tblVehicleEF	LDA	1.5090e-003	1.1380e-003
tblVehicleEF	LDA	2.0590e-003	1.8440e-003

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	0.08	0.41
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tblVehicleEF	LDA	0.06	0.23
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tblVehicleEF	LDA	1.6390e-003	1.2370e-003
tblVehicleEF	LDA	2.2390e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.5090e-003	1.1380e-003

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	LDA	2.0590e-003	1.8440e-003
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tblVehicleEF	LDA	0.03	0.00
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tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.01	0.31
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tblVehicleEF	LDT1	0.17	0.47
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tblVehicleEF	LDT1	3.3490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	2.2820e-003	2.0760e-003
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tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.18	0.69
tblVehicleEF	LDT1	0.20	0.68
tblVehicleEF	LDT1	2.9610e-003	3.3650e-003
tblVehicleEF	LDT1	7.2000e-004	8.9200e-004
tblVehicleEF	LDT1	0.16	0.96
tblVehicleEF	LDT1	0.29	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.04	0.74
tblVehicleEF	LDT1	0.18	0.69
tblVehicleEF	LDT1	0.22	0.74
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tblVehicleEF	LDT1	0.01	0.11
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tblVehicleEF	LDT1	0.16	0.44
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.4790e-003	2.2560e-003
tblVehicleEF	LDT1	3.3490e-003	3.5200e-003

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.2820e-003	2.0760e-003
tblVehicleEF	LDT1	3.0800e-003	3.2370e-003
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tblVehicleEF	LDT1	0.36	0.25
tblVehicleEF	LDT1	0.24	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.18	0.72
tblVehicleEF	LDT1	0.17	0.58
tblVehicleEF	LDT1	3.2290e-003	3.6280e-003
tblVehicleEF	LDT1	7.1100e-004	8.7200e-004
tblVehicleEF	LDT1	0.33	1.28
tblVehicleEF	LDT1	0.36	0.25
tblVehicleEF	LDT1	0.24	0.00
tblVehicleEF	LDT1	0.04	0.63
tblVehicleEF	LDT1	0.18	0.72
tblVehicleEF	LDT1	0.18	0.64
tblVehicleEF	LDT1	0.01	9.0930e-003
tblVehicleEF	LDT1	0.01	0.13
tblVehicleEF	LDT1	1.21	1.86
tblVehicleEF	LDT1	2.88	6.41
tblVehicleEF	LDT1	288.31	335.53
tblVehicleEF	LDT1	66.91	90.30
tblVehicleEF	LDT1	0.12	0.18
tblVehicleEF	LDT1	0.17	0.46
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.4790e-003	2.2560e-003

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tblVehicleEF	LDT1	3.3490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.2820e-003	2.0760e-003
tblVehicleEF	LDT1	3.0800e-003	3.2370e-003
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.34	0.23
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.21	0.71
tblVehicleEF	LDT1	0.20	0.68
tblVehicleEF	LDT1	2.8980e-003	3.3170e-003
tblVehicleEF	LDT1	7.2000e-004	8.9300e-004
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.34	0.23
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.04	0.75
tblVehicleEF	LDT1	0.21	0.71
tblVehicleEF	LDT1	0.22	0.75
tblVehicleEF	LDT2	5.3570e-003	3.0530e-003
tblVehicleEF	LDT2	6.4770e-003	0.08
tblVehicleEF	LDT2	0.71	0.90
tblVehicleEF	LDT2	1.39	3.45
tblVehicleEF	LDT2	328.11	346.22
tblVehicleEF	LDT2	74.12	86.80
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003

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tblVehicleEF	LDT2	1.7520e-003	1.3020e-003
tblVehicleEF	LDT2	2.4320e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.6110e-003	1.1970e-003
tblVehicleEF	LDT2	2.2360e-003	1.9060e-003
tblVehicleEF	LDT2	0.06	0.34
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.23
tblVehicleEF	LDT2	0.09	0.37
tblVehicleEF	LDT2	3.2870e-003	3.4220e-003
tblVehicleEF	LDT2	7.6500e-004	8.5800e-004
tblVehicleEF	LDT2	0.06	0.34
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.06	0.23
tblVehicleEF	LDT2	0.10	0.40
tblVehicleEF	LDT2	6.0780e-003	3.2450e-003
tblVehicleEF	LDT2	5.3990e-003	0.07
tblVehicleEF	LDT2	0.87	1.21
tblVehicleEF	LDT2	1.15	2.89
tblVehicleEF	LDT2	358.16	370.27
tblVehicleEF	LDT2	74.12	85.74
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.30

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tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.7520e-003	1.3020e-003
tblVehicleEF	LDT2	2.4320e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.6110e-003	1.1970e-003
tblVehicleEF	LDT2	2.2360e-003	1.9060e-003
tblVehicleEF	LDT2	0.12	0.44
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.10	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	0.07	0.31
tblVehicleEF	LDT2	3.5890e-003	3.6600e-003
tblVehicleEF	LDT2	7.6000e-004	8.4800e-004
tblVehicleEF	LDT2	0.12	0.44
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.10	0.00
tblVehicleEF	LDT2	0.02	0.34
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	0.08	0.34
tblVehicleEF	LDT2	5.2180e-003	3.0280e-003
tblVehicleEF	LDT2	6.4370e-003	0.08
tblVehicleEF	LDT2	0.67	0.84
tblVehicleEF	LDT2	1.37	3.46
tblVehicleEF	LDT2	321.03	341.80
tblVehicleEF	LDT2	74.12	86.82
tblVehicleEF	LDT2	0.07	0.07

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tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.7520e-003	1.3020e-003
tblVehicleEF	LDT2	2.4320e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.6110e-003	1.1970e-003
tblVehicleEF	LDT2	2.2360e-003	1.9060e-003
tblVehicleEF	LDT2	0.06	0.35
tblVehicleEF	LDT2	0.12	0.08
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.23
tblVehicleEF	LDT2	0.09	0.37
tblVehicleEF	LDT2	3.2150e-003	3.3790e-003
tblVehicleEF	LDT2	7.6400e-004	8.5800e-004
tblVehicleEF	LDT2	0.06	0.35
tblVehicleEF	LDT2	0.12	0.08
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.07	0.23
tblVehicleEF	LDT2	0.10	0.40
tblVehicleEF	LHD1	4.8470e-003	5.1500e-003
tblVehicleEF	LHD1	0.01	5.3540e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.89	0.81
tblVehicleEF	LHD1	2.31	1.91

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tblVehicleEF	LHD1	9.22	8.94
tblVehicleEF	LHD1	599.78	565.14
tblVehicleEF	LHD1	29.30	16.42
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	1.82	0.81
tblVehicleEF	LHD1	0.92	0.41
tblVehicleEF	LHD1	9.6000e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.6900e-004	2.3000e-004
tblVehicleEF	LHD1	9.1800e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5600e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	7.9900e-004	2.1200e-004
tblVehicleEF	LHD1	3.4980e-003	0.14
tblVehicleEF	LHD1	0.11	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7520e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.24	0.11
tblVehicleEF	LHD1	9.2000e-005	8.7000e-005
tblVehicleEF	LHD1	5.8770e-003	5.5060e-003
tblVehicleEF	LHD1	3.3600e-004	1.6200e-004
tblVehicleEF	LHD1	3.4980e-003	0.14

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tblVehicleEF	LHD1	0.11	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7520e-003	0.00
tblVehicleEF	LHD1	0.09	0.11
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.26	0.12
tblVehicleEF	LHD1	4.8470e-003	5.1680e-003
tblVehicleEF	LHD1	0.01	5.4730e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.91	0.82
tblVehicleEF	LHD1	2.16	1.81
tblVehicleEF	LHD1	9.22	8.94
tblVehicleEF	LHD1	599.78	565.17
tblVehicleEF	LHD1	29.30	16.26
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	1.71	0.76
tblVehicleEF	LHD1	0.88	0.39
tblVehicleEF	LHD1	9.6000e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.6900e-004	2.3000e-004
tblVehicleEF	LHD1	9.1800e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5600e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01

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tblVehicleEF	LHD1	7.9900e-004	2.1200e-004
tblVehicleEF	LHD1	6.8610e-003	0.18
tblVehicleEF	LHD1	0.13	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	3.9020e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.20
tblVehicleEF	LHD1	0.22	0.10
tblVehicleEF	LHD1	9.2000e-005	8.7000e-005
tblVehicleEF	LHD1	5.8770e-003	5.5060e-003
tblVehicleEF	LHD1	3.3400e-004	1.6100e-004
tblVehicleEF	LHD1	6.8610e-003	0.18
tblVehicleEF	LHD1	0.13	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	3.9020e-003	0.00
tblVehicleEF	LHD1	0.09	0.10
tblVehicleEF	LHD1	0.35	0.20
tblVehicleEF	LHD1	0.24	0.11
tblVehicleEF	LHD1	4.8470e-003	5.1520e-003
tblVehicleEF	LHD1	0.01	5.3800e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.89	0.81
tblVehicleEF	LHD1	2.27	1.90
tblVehicleEF	LHD1	9.22	8.94
tblVehicleEF	LHD1	599.78	565.15
tblVehicleEF	LHD1	29.30	16.41

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tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	1.79	0.80
tblVehicleEF	LHD1	0.91	0.40
tblVehicleEF	LHD1	9.6000e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.6900e-004	2.3000e-004
tblVehicleEF	LHD1	9.1800e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5600e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	7.9900e-004	2.1200e-004
tblVehicleEF	LHD1	3.7620e-003	0.14
tblVehicleEF	LHD1	0.12	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7190e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.19
tblVehicleEF	LHD1	0.23	0.11
tblVehicleEF	LHD1	9.2000e-005	8.7000e-005
tblVehicleEF	LHD1	5.8770e-003	5.5060e-003
tblVehicleEF	LHD1	3.3600e-004	1.6200e-004
tblVehicleEF	LHD1	3.7620e-003	0.14
tblVehicleEF	LHD1	0.12	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7190e-003	0.00

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tblVehicleEF	LHD1	0.09	0.11
tblVehicleEF	LHD1	0.38	0.19
tblVehicleEF	LHD1	0.26	0.12
tblVehicleEF	LHD2	3.2790e-003	3.5200e-003
tblVehicleEF	LHD2	3.7300e-003	4.0610e-003
tblVehicleEF	LHD2	6.5990e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.40	0.44
tblVehicleEF	LHD2	1.07	1.20
tblVehicleEF	LHD2	14.16	13.76
tblVehicleEF	LHD2	600.81	624.19
tblVehicleEF	LHD2	23.70	10.55
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.10	0.91
tblVehicleEF	LHD2	0.46	0.27
tblVehicleEF	LHD2	1.2350e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6900e-004	1.0700e-004
tblVehicleEF	LHD2	1.1820e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6940e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.3900e-004	9.9000e-005
tblVehicleEF	LHD2	1.1430e-003	0.08
tblVehicleEF	LHD2	0.03	0.02

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tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.3600e-004	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3200e-004
tblVehicleEF	LHD2	5.8420e-003	6.0160e-003
tblVehicleEF	LHD2	2.5600e-004	1.0400e-004
tblVehicleEF	LHD2	1.1430e-003	0.08
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3600e-004	0.00
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	3.2790e-003	3.5320e-003
tblVehicleEF	LHD2	3.7760e-003	4.0900e-003
tblVehicleEF	LHD2	6.3100e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.40	0.45
tblVehicleEF	LHD2	1.01	1.14
tblVehicleEF	LHD2	14.16	13.76
tblVehicleEF	LHD2	600.81	624.20
tblVehicleEF	LHD2	23.70	10.44
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.04	0.86
tblVehicleEF	LHD2	0.44	0.26

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tblVehicleEF	LHD2	1.2350e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6900e-004	1.0700e-004
tblVehicleEF	LHD2	1.1820e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6940e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.3900e-004	9.9000e-005
tblVehicleEF	LHD2	2.1960e-003	0.11
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.3570e-003	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.09	0.06
tblVehicleEF	LHD2	1.3800e-004	1.3200e-004
tblVehicleEF	LHD2	5.8420e-003	6.0160e-003
tblVehicleEF	LHD2	2.5500e-004	1.0300e-004
tblVehicleEF	LHD2	2.1960e-003	0.11
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3570e-003	0.00
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.09	0.07

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tblVehicleEF	LHD2	3.2790e-003	3.5210e-003
tblVehicleEF	LHD2	3.7350e-003	4.0640e-003
tblVehicleEF	LHD2	6.5440e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.40	0.44
tblVehicleEF	LHD2	1.06	1.20
tblVehicleEF	LHD2	14.16	13.76
tblVehicleEF	LHD2	600.81	624.19
tblVehicleEF	LHD2	23.70	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.09	0.90
tblVehicleEF	LHD2	0.45	0.27
tblVehicleEF	LHD2	1.2350e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6900e-004	1.0700e-004
tblVehicleEF	LHD2	1.1820e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6940e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.3900e-004	9.9000e-005
tblVehicleEF	LHD2	1.1520e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.2000e-004	0.00
tblVehicleEF	LHD2	0.05	0.07

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	LHD2	0.08	0.10
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3200e-004
tblVehicleEF	LHD2	5.8420e-003	6.0160e-003
tblVehicleEF	LHD2	2.5600e-004	1.0400e-004
tblVehicleEF	LHD2	1.1520e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.2000e-004	0.00
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.10
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	MCY	0.44	0.17
tblVehicleEF	MCY	0.16	0.18
tblVehicleEF	MCY	19.74	13.35
tblVehicleEF	MCY	9.96	7.71
tblVehicleEF	MCY	169.37	188.52
tblVehicleEF	MCY	45.59	48.91
tblVehicleEF	MCY	1.15	0.58
tblVehicleEF	MCY	0.31	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9350e-003	1.8650e-003
tblVehicleEF	MCY	3.3460e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8090e-003	1.7450e-003
tblVehicleEF	MCY	3.1480e-003	3.0800e-003
tblVehicleEF	MCY	1.44	2.51

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tblVehicleEF	MCY	0.81	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.20	1.12
tblVehicleEF	MCY	0.47	3.79
tblVehicleEF	MCY	2.13	1.31
tblVehicleEF	MCY	2.0800e-003	1.8640e-003
tblVehicleEF	MCY	6.8100e-004	4.8400e-004
tblVehicleEF	MCY	1.44	2.51
tblVehicleEF	MCY	0.81	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.72	1.42
tblVehicleEF	MCY	0.47	3.79
tblVehicleEF	MCY	2.32	1.42
tblVehicleEF	MCY	0.43	0.17
tblVehicleEF	MCY	0.13	0.16
tblVehicleEF	MCY	19.87	13.50
tblVehicleEF	MCY	9.04	6.98
tblVehicleEF	MCY	169.37	188.72
tblVehicleEF	MCY	45.59	47.22
tblVehicleEF	MCY	0.98	0.51
tblVehicleEF	MCY	0.29	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9350e-003	1.8650e-003
tblVehicleEF	MCY	3.3460e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8090e-003	1.7450e-003
tblVehicleEF	MCY	3.1480e-003	3.0800e-003

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tblVehicleEF	MCY	3.11	3.79
tblVehicleEF	MCY	1.24	3.76
tblVehicleEF	MCY	2.09	0.00
tblVehicleEF	MCY	2.15	1.11
tblVehicleEF	MCY	0.47	3.96
tblVehicleEF	MCY	1.84	1.15
tblVehicleEF	MCY	2.0800e-003	1.8660e-003
tblVehicleEF	MCY	6.5700e-004	4.6700e-004
tblVehicleEF	MCY	3.11	3.79
tblVehicleEF	MCY	1.24	3.76
tblVehicleEF	MCY	2.09	0.00
tblVehicleEF	MCY	2.66	1.25
tblVehicleEF	MCY	0.47	3.96
tblVehicleEF	MCY	2.00	1.25
tblVehicleEF	MCY	0.43	0.17
tblVehicleEF	MCY	0.15	0.18
tblVehicleEF	MCY	18.88	13.14
tblVehicleEF	MCY	9.60	7.60
tblVehicleEF	MCY	169.37	188.16
tblVehicleEF	MCY	45.59	48.67
tblVehicleEF	MCY	1.11	0.57
tblVehicleEF	MCY	0.31	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9350e-003	1.8650e-003
tblVehicleEF	MCY	3.3460e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8090e-003	1.7450e-003

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tblVehicleEF	MCY	3.1480e-003	3.0800e-003
tblVehicleEF	MCY	1.69	2.59
tblVehicleEF	MCY	1.09	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.17	1.11
tblVehicleEF	MCY	0.53	4.07
tblVehicleEF	MCY	2.06	1.29
tblVehicleEF	MCY	2.0660e-003	1.8600e-003
tblVehicleEF	MCY	6.7300e-004	4.8100e-004
tblVehicleEF	MCY	1.69	2.59
tblVehicleEF	MCY	1.09	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.68	1.40
tblVehicleEF	MCY	0.53	4.07
tblVehicleEF	MCY	2.24	1.40
tblVehicleEF	MDV	0.01	4.4100e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.13	1.10
tblVehicleEF	MDV	2.68	3.91
tblVehicleEF	MDV	455.56	424.26
tblVehicleEF	MDV	101.88	106.70
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.7950e-003	1.4370e-003
tblVehicleEF	MDV	2.4230e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003

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tblVehicleEF	MDV	1.6540e-003	1.3250e-003
tblVehicleEF	MDV	2.2280e-003	2.0250e-003
tblVehicleEF	MDV	0.09	0.46
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.20	0.53
tblVehicleEF	MDV	4.5620e-003	4.1920e-003
tblVehicleEF	MDV	1.0660e-003	1.0550e-003
tblVehicleEF	MDV	0.09	0.46
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.04	0.57
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.22	0.57
tblVehicleEF	MDV	0.01	4.6900e-003
tblVehicleEF	MDV	0.01	0.09
tblVehicleEF	MDV	1.38	1.47
tblVehicleEF	MDV	2.22	3.28
tblVehicleEF	MDV	495.92	449.20
tblVehicleEF	MDV	101.88	105.44
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.7950e-003	1.4370e-003
tblVehicleEF	MDV	2.4230e-003	2.2020e-003

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tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.6540e-003	1.3250e-003
tblVehicleEF	MDV	2.2280e-003	2.0250e-003
tblVehicleEF	MDV	0.19	0.58
tblVehicleEF	MDV	0.22	0.12
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.17	0.45
tblVehicleEF	MDV	4.9690e-003	4.4390e-003
tblVehicleEF	MDV	1.0570e-003	1.0420e-003
tblVehicleEF	MDV	0.19	0.58
tblVehicleEF	MDV	0.22	0.12
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.04	0.49
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.19	0.49
tblVehicleEF	MDV	0.01	4.3700e-003
tblVehicleEF	MDV	0.01	0.11
tblVehicleEF	MDV	1.07	1.03
tblVehicleEF	MDV	2.64	3.93
tblVehicleEF	MDV	446.15	419.67
tblVehicleEF	MDV	101.88	106.73
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.7950e-003	1.4370e-003

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tblVehicleEF	MDV	2.4230e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.6540e-003	1.3250e-003
tblVehicleEF	MDV	2.2280e-003	2.0250e-003
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.21	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.12	0.33
tblVehicleEF	MDV	0.20	0.53
tblVehicleEF	MDV	4.4680e-003	4.1470e-003
tblVehicleEF	MDV	1.0650e-003	1.0550e-003
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.21	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.04	0.58
tblVehicleEF	MDV	0.12	0.33
tblVehicleEF	MDV	0.22	0.58
tblVehicleEF	MH	0.03	8.7020e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.16	1.05
tblVehicleEF	MH	5.58	2.33
tblVehicleEF	MH	1,051.62	1,541.49
tblVehicleEF	MH	58.77	22.42
tblVehicleEF	MH	1.36	1.38
tblVehicleEF	MH	0.83	0.30
tblVehicleEF	MH	0.13	0.04

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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	1.0410e-003	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2250e-003	3.2850e-003
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	9.5800e-004	2.5100e-004
tblVehicleEF	MH	1.28	35.26
tblVehicleEF	MH	0.08	8.42
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.08	0.05
tblVehicleEF	MH	0.03	0.19
tblVehicleEF	MH	0.32	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	6.8500e-004	2.2200e-004
tblVehicleEF	MH	1.28	35.26
tblVehicleEF	MH	0.08	8.42
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.03	0.19
tblVehicleEF	MH	0.35	0.12
tblVehicleEF	MH	0.03	8.9030e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.24	1.07
tblVehicleEF	MH	5.08	2.17
tblVehicleEF	MH	1,051.62	1,541.54
tblVehicleEF	MH	58.77	22.14

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tblVehicleEF	MH	1.24	1.28
tblVehicleEF	MH	0.79	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	1.0410e-003	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2250e-003	3.2850e-003
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	9.5800e-004	2.5100e-004
tblVehicleEF	MH	2.51	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.05	0.00
tblVehicleEF	MH	0.08	0.05
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.30	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	6.7600e-004	2.1900e-004
tblVehicleEF	MH	2.51	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.05	0.00
tblVehicleEF	MH	0.12	0.11
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.33	0.11
tblVehicleEF	MH	0.03	8.7090e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.17	1.05

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tblVehicleEF	MH	5.52	2.34
tblVehicleEF	MH	1,051.62	1,541.49
tblVehicleEF	MH	58.77	22.43
tblVehicleEF	MH	1.33	1.36
tblVehicleEF	MH	0.82	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	1.0410e-003	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2250e-003	3.2850e-003
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	9.5800e-004	2.5100e-004
tblVehicleEF	MH	1.50	35.35
tblVehicleEF	MH	0.10	8.37
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.08	0.05
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.32	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	6.8400e-004	2.2200e-004
tblVehicleEF	MH	1.50	35.35
tblVehicleEF	MH	0.10	8.37
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.35	0.12

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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.6000e-003	7.7320e-003
tblVehicleEF	MHD	0.04	6.3740e-003
tblVehicleEF	MHD	0.30	0.64
tblVehicleEF	MHD	0.23	0.23
tblVehicleEF	MHD	4.34	0.73
tblVehicleEF	MHD	155.87	160.75
tblVehicleEF	MHD	1,101.40	1,134.10
tblVehicleEF	MHD	50.42	6.25
tblVehicleEF	MHD	0.42	0.84
tblVehicleEF	MHD	0.64	0.73
tblVehicleEF	MHD	12.05	1.48
tblVehicleEF	MHD	1.0400e-004	1.4030e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	2.7700e-003	9.1060e-003
tblVehicleEF	MHD	6.8900e-004	7.0000e-005
tblVehicleEF	MHD	9.9000e-005	1.3420e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	2.6470e-003	8.7080e-003
tblVehicleEF	MHD	6.3400e-004	6.4000e-005
tblVehicleEF	MHD	1.0590e-003	0.02
tblVehicleEF	MHD	0.04	4.8250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.6000e-004	0.00
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.27	0.03

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tblVehicleEF	MHD	1.4970e-003	1.4790e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.8000e-004	6.2000e-005
tblVehicleEF	MHD	1.0590e-003	0.02
tblVehicleEF	MHD	0.04	4.8250e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	5.6000e-004	0.00
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.29	0.04
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	2.6390e-003	7.7620e-003
tblVehicleEF	MHD	0.04	6.1230e-003
tblVehicleEF	MHD	0.22	0.60
tblVehicleEF	MHD	0.23	0.23
tblVehicleEF	MHD	4.06	0.69
tblVehicleEF	MHD	165.10	159.41
tblVehicleEF	MHD	1,101.40	1,134.11
tblVehicleEF	MHD	50.42	6.18
tblVehicleEF	MHD	0.44	0.81
tblVehicleEF	MHD	0.60	0.69
tblVehicleEF	MHD	12.02	1.48
tblVehicleEF	MHD	8.7000e-005	1.1930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	2.7700e-003	9.1060e-003
tblVehicleEF	MHD	6.8900e-004	7.0000e-005
tblVehicleEF	MHD	8.4000e-005	1.1410e-003

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tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	2.6470e-003	8.7080e-003
tblVehicleEF	MHD	6.3400e-004	6.4000e-005
tblVehicleEF	MHD	2.0770e-003	0.03
tblVehicleEF	MHD	0.04	5.2310e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.2630e-003	0.00
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.25	0.03
tblVehicleEF	MHD	1.5840e-003	1.4660e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.7500e-004	6.1000e-005
tblVehicleEF	MHD	2.0770e-003	0.03
tblVehicleEF	MHD	0.04	5.2310e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.2630e-003	0.00
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.28	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.6040e-003	7.7330e-003
tblVehicleEF	MHD	0.04	6.3290e-003
tblVehicleEF	MHD	0.41	0.70
tblVehicleEF	MHD	0.23	0.23
tblVehicleEF	MHD	4.27	0.72
tblVehicleEF	MHD	143.11	162.59

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	MHD	1,101.40	1,134.10
tblVehicleEF	MHD	50.42	6.24
tblVehicleEF	MHD	0.40	0.88
tblVehicleEF	MHD	0.63	0.72
tblVehicleEF	MHD	12.04	1.48
tblVehicleEF	MHD	1.2600e-004	1.6930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	2.7700e-003	9.1060e-003
tblVehicleEF	MHD	6.8900e-004	7.0000e-005
tblVehicleEF	MHD	1.2100e-004	1.6190e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	2.6470e-003	8.7080e-003
tblVehicleEF	MHD	6.3400e-004	6.4000e-005
tblVehicleEF	MHD	1.1160e-003	0.02
tblVehicleEF	MHD	0.04	4.7950e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.4700e-004	0.00
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.26	0.03
tblVehicleEF	MHD	1.3770e-003	1.4960e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.7900e-004	6.2000e-005
tblVehicleEF	MHD	1.1160e-003	0.02
tblVehicleEF	MHD	0.04	4.7950e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	5.4700e-004	0.00

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tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.29	0.04
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.2410e-003	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.24	0.52
tblVehicleEF	OBUS	0.47	0.91
tblVehicleEF	OBUS	5.59	2.72
tblVehicleEF	OBUS	65.08	72.64
tblVehicleEF	OBUS	1,122.26	1,461.31
tblVehicleEF	OBUS	70.20	22.62
tblVehicleEF	OBUS	0.12	0.27
tblVehicleEF	OBUS	0.45	1.09
tblVehicleEF	OBUS	1.81	0.69
tblVehicleEF	OBUS	1.1000e-005	5.7700e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	1.9630e-003	0.02
tblVehicleEF	OBUS	9.4500e-004	2.4100e-004
tblVehicleEF	OBUS	1.1000e-005	5.5200e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	1.8550e-003	0.02
tblVehicleEF	OBUS	8.6900e-004	2.2100e-004
tblVehicleEF	OBUS	1.9890e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.6300e-004	0.00

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.34	0.13
tblVehicleEF	OBUS	6.3300e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0000e-004	2.2400e-004
tblVehicleEF	OBUS	1.9890e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	8.6300e-004	0.00
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.38	0.15
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.4380e-003	0.04
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.24	0.51
tblVehicleEF	OBUS	0.49	0.93
tblVehicleEF	OBUS	5.12	2.53
tblVehicleEF	OBUS	67.92	72.07
tblVehicleEF	OBUS	1,122.26	1,461.34
tblVehicleEF	OBUS	70.20	22.30
tblVehicleEF	OBUS	0.13	0.26
tblVehicleEF	OBUS	0.41	1.01
tblVehicleEF	OBUS	1.76	0.67
tblVehicleEF	OBUS	9.0000e-006	4.9300e-004
tblVehicleEF	OBUS	0.13	0.05

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tblVehicleEF	OBUS	1.9630e-003	0.02
tblVehicleEF	OBUS	9.4500e-004	2.4100e-004
tblVehicleEF	OBUS	9.0000e-006	4.7100e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	1.8550e-003	0.02
tblVehicleEF	OBUS	8.6900e-004	2.2100e-004
tblVehicleEF	OBUS	3.8500e-003	0.18
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.9610e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.32	0.13
tblVehicleEF	OBUS	6.6000e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9200e-004	2.2000e-004
tblVehicleEF	OBUS	3.8500e-003	0.18
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	1.9610e-003	0.00
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.36	0.14
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.2610e-003	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.25	0.53

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tblVehicleEF	OBUS	0.48	0.92
tblVehicleEF	OBUS	5.55	2.72
tblVehicleEF	OBUS	61.15	73.43
tblVehicleEF	OBUS	1,122.26	1,461.31
tblVehicleEF	OBUS	70.20	22.63
tblVehicleEF	OBUS	0.12	0.29
tblVehicleEF	OBUS	0.44	1.07
tblVehicleEF	OBUS	1.79	0.68
tblVehicleEF	OBUS	1.4000e-005	6.9400e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	1.9630e-003	0.02
tblVehicleEF	OBUS	9.4500e-004	2.4100e-004
tblVehicleEF	OBUS	1.3000e-005	6.6400e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	1.8550e-003	0.02
tblVehicleEF	OBUS	8.6900e-004	2.2100e-004
tblVehicleEF	OBUS	2.0720e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.6200e-004	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.34	0.13
tblVehicleEF	OBUS	5.9600e-004	6.6300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.2400e-004
tblVehicleEF	OBUS	2.0720e-003	0.13

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tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	8.6200e-004	0.00
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.38	0.15
tblVehicleEF	SBUS	0.83	0.51
tblVehicleEF	SBUS	9.2120e-003	1.34
tblVehicleEF	SBUS	0.06	6.8410e-003
tblVehicleEF	SBUS	5.90	2.91
tblVehicleEF	SBUS	0.56	5.05
tblVehicleEF	SBUS	5.13	0.89
tblVehicleEF	SBUS	1,231.15	269.17
tblVehicleEF	SBUS	1,120.79	1,227.15
tblVehicleEF	SBUS	39.22	5.44
tblVehicleEF	SBUS	10.14	1.14
tblVehicleEF	SBUS	3.99	2.37
tblVehicleEF	SBUS	14.61	0.18
tblVehicleEF	SBUS	9.1600e-003	1.6750e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.6800e-004	5.3000e-005
tblVehicleEF	SBUS	8.7640e-003	1.5850e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7400e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01

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tblVehicleEF	SBUS	5.2200e-004	4.9000e-005
tblVehicleEF	SBUS	2.9390e-003	0.06
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.70	0.27
tblVehicleEF	SBUS	1.3780e-003	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	9.1030e-003	0.03
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	1.2750e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	4.8100e-004	5.4000e-005
tblVehicleEF	SBUS	2.9390e-003	0.06
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.00	0.84
tblVehicleEF	SBUS	1.3780e-003	0.00
tblVehicleEF	SBUS	0.12	0.20
tblVehicleEF	SBUS	9.1030e-003	0.03
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.83	0.51
tblVehicleEF	SBUS	9.3730e-003	1.34
tblVehicleEF	SBUS	0.05	5.7300e-003
tblVehicleEF	SBUS	5.77	2.90
tblVehicleEF	SBUS	0.57	5.06
tblVehicleEF	SBUS	3.51	0.64
tblVehicleEF	SBUS	1,292.80	271.88
tblVehicleEF	SBUS	1,120.79	1,227.18
tblVehicleEF	SBUS	39.22	5.03

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tblVehicleEF	SBUS	10.46	1.17
tblVehicleEF	SBUS	3.74	2.22
tblVehicleEF	SBUS	14.58	0.17
tblVehicleEF	SBUS	7.7220e-003	1.4890e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.6800e-004	5.3000e-005
tblVehicleEF	SBUS	7.3880e-003	1.4070e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7400e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.2200e-004	4.9000e-005
tblVehicleEF	SBUS	5.5960e-003	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.70	0.27
tblVehicleEF	SBUS	2.9710e-003	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	8.3110e-003	0.03
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	1.3010e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	4.5400e-004	5.0000e-005
tblVehicleEF	SBUS	5.5960e-003	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.00	0.84
tblVehicleEF	SBUS	2.9710e-003	0.00

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	SBUS	0.12	0.16
tblVehicleEF	SBUS	8.3110e-003	0.03
tblVehicleEF	SBUS	0.24	0.04
tblVehicleEF	SBUS	0.83	0.51
tblVehicleEF	SBUS	9.2160e-003	1.34
tblVehicleEF	SBUS	0.06	7.0470e-003
tblVehicleEF	SBUS	6.08	2.92
tblVehicleEF	SBUS	0.56	5.05
tblVehicleEF	SBUS	5.17	0.93
tblVehicleEF	SBUS	1,146.01	265.43
tblVehicleEF	SBUS	1,120.79	1,227.15
tblVehicleEF	SBUS	39.22	5.51
tblVehicleEF	SBUS	9.69	1.11
tblVehicleEF	SBUS	3.93	2.33
tblVehicleEF	SBUS	14.61	0.18
tblVehicleEF	SBUS	0.01	1.9330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.6800e-004	5.3000e-005
tblVehicleEF	SBUS	0.01	1.8320e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7400e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.2200e-004	4.9000e-005
tblVehicleEF	SBUS	2.8670e-003	0.06
tblVehicleEF	SBUS	0.02	0.01

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tblVehicleEF	SBUS	0.70	0.27
tblVehicleEF	SBUS	1.3540e-003	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	1.2400e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	4.8200e-004	5.4000e-005
tblVehicleEF	SBUS	2.8670e-003	0.06
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.01	0.84
tblVehicleEF	SBUS	1.3540e-003	0.00
tblVehicleEF	SBUS	0.12	0.20
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	UBUS	1.62	2.00
tblVehicleEF	UBUS	0.08	7.8120e-003
tblVehicleEF	UBUS	8.33	27.99
tblVehicleEF	UBUS	13.39	1.09
tblVehicleEF	UBUS	1,818.42	1,626.34
tblVehicleEF	UBUS	138.62	7.58
tblVehicleEF	UBUS	4.85	0.39
tblVehicleEF	UBUS	13.25	0.07
tblVehicleEF	UBUS	0.51	0.10
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.05	1.7180e-003
tblVehicleEF	UBUS	1.4450e-003	4.0000e-005

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	0.22	0.04
tblVehicleEF	UBUS	3.0000e-003	7.1750e-003
tblVehicleEF	UBUS	0.05	1.6380e-003
tblVehicleEF	UBUS	1.3280e-003	3.6000e-005
tblVehicleEF	UBUS	7.4710e-003	0.02
tblVehicleEF	UBUS	0.10	4.9380e-003
tblVehicleEF	UBUS	3.6930e-003	0.00
tblVehicleEF	UBUS	0.49	0.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.10	0.03
tblVehicleEF	UBUS	9.7450e-003	9.6300e-004
tblVehicleEF	UBUS	1.6300e-003	7.5000e-005
tblVehicleEF	UBUS	7.4710e-003	0.02
tblVehicleEF	UBUS	0.10	4.9380e-003
tblVehicleEF	UBUS	3.6930e-003	0.00
tblVehicleEF	UBUS	2.17	0.02
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.20	0.03
tblVehicleEF	UBUS	1.63	2.00
tblVehicleEF	UBUS	0.07	7.1310e-003
tblVehicleEF	UBUS	8.41	27.99
tblVehicleEF	UBUS	11.00	0.93
tblVehicleEF	UBUS	1,818.42	1,626.34
tblVehicleEF	UBUS	138.62	7.32
tblVehicleEF	UBUS	4.50	0.38
tblVehicleEF	UBUS	13.14	0.07
tblVehicleEF	UBUS	0.51	0.10

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.05	1.7180e-003
tblVehicleEF	UBUS	1.4450e-003	4.0000e-005
tblVehicleEF	UBUS	0.22	0.04
tblVehicleEF	UBUS	3.0000e-003	7.1750e-003
tblVehicleEF	UBUS	0.05	1.6380e-003
tblVehicleEF	UBUS	1.3280e-003	3.6000e-005
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	5.3960e-003
tblVehicleEF	UBUS	8.6540e-003	0.00
tblVehicleEF	UBUS	0.50	0.04
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.98	0.03
tblVehicleEF	UBUS	9.7470e-003	9.6400e-004
tblVehicleEF	UBUS	1.5890e-003	7.2000e-005
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	5.3960e-003
tblVehicleEF	UBUS	8.6540e-003	0.00
tblVehicleEF	UBUS	2.18	0.02
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.07	0.03
tblVehicleEF	UBUS	1.62	2.00
tblVehicleEF	UBUS	0.08	7.8700e-003
tblVehicleEF	UBUS	8.34	27.99
tblVehicleEF	UBUS	12.95	1.10
tblVehicleEF	UBUS	1,818.42	1,626.34
tblVehicleEF	UBUS	138.62	7.61

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleEF	UBUS	4.76	0.39
tblVehicleEF	UBUS	13.23	0.07
tblVehicleEF	UBUS	0.51	0.10
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.05	1.7180e-003
tblVehicleEF	UBUS	1.4450e-003	4.0000e-005
tblVehicleEF	UBUS	0.22	0.04
tblVehicleEF	UBUS	3.0000e-003	7.1750e-003
tblVehicleEF	UBUS	0.05	1.6380e-003
tblVehicleEF	UBUS	1.3280e-003	3.6000e-005
tblVehicleEF	UBUS	8.4070e-003	0.02
tblVehicleEF	UBUS	0.13	4.9030e-003
tblVehicleEF	UBUS	3.8160e-003	0.00
tblVehicleEF	UBUS	0.49	0.03
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.08	0.03
tblVehicleEF	UBUS	9.7460e-003	9.6300e-004
tblVehicleEF	UBUS	1.6230e-003	7.5000e-005
tblVehicleEF	UBUS	8.4070e-003	0.02
tblVehicleEF	UBUS	0.13	4.9030e-003
tblVehicleEF	UBUS	3.8160e-003	0.00
tblVehicleEF	UBUS	2.17	0.02
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.18	0.03
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	10.00

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

tblVehicleTrips	CW_TTP	33.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	ST_TR	22.75	134.60
tblVehicleTrips	SU_TR	16.74	134.60
tblVehicleTrips	WD_TR	1.89	134.60

2.0 Emissions Summary

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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	1.8790	4.0932	18.2375	0.0597	4.8178	0.0523	4.8701	1.2065	0.0493	1.2557		6,255.8097	6,255.8097	0.3888		6,265.5301
Total	1.9841	4.0932	18.2385	0.0597	4.8178	0.0523	4.8701	1.2065	0.0493	1.2557		6,255.8119	6,255.8119	0.3888	0.0000	6,265.5325

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	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
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	1.8790	4.0932	18.2375	0.0597	4.8178	0.0523	4.8701	1.2065	0.0493	1.2557		6,255.8097	6,255.8097	0.3888		6,265.5301
Total	1.9841	4.0932	18.2385	0.0597	4.8178	0.0523	4.8701	1.2065	0.0493	1.2557		6,255.8119	6,255.8119	0.3888	0.0000	6,265.5325

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	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	Demolition	Demolition	1/1/2023	1/13/2023	5	10	
2	Site Preparation	Site Preparation	1/14/2023	1/27/2023	5	10	
3	Grading	Grading	1/28/2023	2/24/2023	5	20	
4	Building Construction	Building Construction	2/25/2023	11/17/2023	5	190	
5	Paving	Paving	11/18/2023	12/15/2023	5	20	
6	Architectural Coating	Architectural Coating	12/16/2023	12/29/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 13,068 (Architectural Coating – sqft)

OffRoad Equipment

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	20.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	183.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	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 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4430	0.0000	0.4430	0.0671	0.0000	0.0671			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280		3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.4430	0.9975	1.4405	0.0671	0.9280	0.9951		3,746.9840	3,746.9840	1.0494		3,773.2183

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.0200e-003	0.2792	0.0665	1.4400e-003	0.0350	5.0000e-004	0.0355	9.5900e-003	4.8000e-004	0.0101		153.5120	153.5120	7.8200e-003		153.7075
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0671	0.0401	0.4283	1.3700e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		136.5950	136.5950	3.3000e-003		136.6774
Total	0.0751	0.3193	0.4948	2.8100e-003	0.2027	1.5100e-003	0.2042	0.0541	1.4100e-003	0.0555		290.1070	290.1070	0.0111		290.3849

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					0.1993	0.0000	0.1993	0.0302	0.0000	0.0302			0.0000			0.0000
Off-Road	2.2691	21.4844	19.6434	0.0388		0.9975	0.9975		0.9280	0.9280	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183
Total	2.2691	21.4844	19.6434	0.0388	0.1993	0.9975	1.1969	0.0302	0.9280	0.9582	0.0000	3,746.9840	3,746.9840	1.0494		3,773.2183

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	8.0200e-003	0.2792	0.0665	1.4400e-003	0.0350	5.0000e-004	0.0355	9.5900e-003	4.8000e-004	0.0101		153.5120	153.5120	7.8200e-003		153.7075
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0671	0.0401	0.4283	1.3700e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		136.5950	136.5950	3.3000e-003		136.6774
Total	0.0751	0.3193	0.4948	2.8100e-003	0.2027	1.5100e-003	0.2042	0.0541	1.4100e-003	0.0555		290.1070	290.1070	0.0111		290.3849

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					18.0663	0.0000	18.0663	9.9307	0.0000	9.9307			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647		3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	18.0663	1.2660	19.3323	9.9307	1.1647	11.0954		3,687.3081	3,687.3081	1.1926		3,717.1219

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0805	0.0481	0.5139	1.6400e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		163.9140	163.9140	3.9600e-003		164.0129
Total	0.0805	0.0481	0.5139	1.6400e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		163.9140	163.9140	3.9600e-003		164.0129

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					8.1298	0.0000	8.1298	4.4688	0.0000	4.4688			0.0000			0.0000
Off-Road	2.6595	27.5242	18.2443	0.0381		1.2660	1.2660		1.1647	1.1647	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219
Total	2.6595	27.5242	18.2443	0.0381	8.1298	1.2660	9.3958	4.4688	1.1647	5.6336	0.0000	3,687.3081	3,687.3081	1.1926		3,717.1219

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0805	0.0481	0.5139	1.6400e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		163.9140	163.9140	3.9600e-003		164.0129
Total	0.0805	0.0481	0.5139	1.6400e-003	0.2012	1.2200e-003	0.2024	0.0534	1.1200e-003	0.0545		163.9140	163.9140	3.9600e-003		164.0129

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105		6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	8.6733	1.4245	10.0978	3.5965	1.3105	4.9070		6,011.4777	6,011.4777	1.9442		6,060.0836

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0895	0.0534	0.5710	1.8300e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		182.1267	182.1267	4.4000e-003		182.2366
Total	0.0895	0.0534	0.5710	1.8300e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		182.1267	182.1267	4.4000e-003		182.2366

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					3.9030	0.0000	3.9030	1.6184	0.0000	1.6184			0.0000			0.0000
Off-Road	3.3217	34.5156	28.0512	0.0621		1.4245	1.4245		1.3105	1.3105	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836
Total	3.3217	34.5156	28.0512	0.0621	3.9030	1.4245	5.3275	1.6184	1.3105	2.9290	0.0000	6,011.4777	6,011.4777	1.9442		6,060.0836

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0895	0.0534	0.5710	1.8300e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		182.1267	182.1267	4.4000e-003		182.2366
Total	0.0895	0.0534	0.5710	1.8300e-003	0.2236	1.3500e-003	0.2249	0.0593	1.2400e-003	0.0605		182.1267	182.1267	4.4000e-003		182.2366

3.5 Building Construction - 2023

Unmitigated Construction On-Site

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

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1371	4.9600	1.1901	0.0178	0.4547	5.0300e-003	0.4598	0.1309	4.8100e-003	0.1357		1,873.6783	1,873.6783	0.1096		1,876.4193
Worker	0.8186	0.4890	5.2248	0.0167	2.0455	0.0124	2.0579	0.5425	0.0114	0.5539		1,666.4592	1,666.4592	0.0402		1,667.4646
Total	0.9557	5.4489	6.4149	0.0345	2.5002	0.0174	2.5176	0.6734	0.0162	0.6896		3,540.1374	3,540.1374	0.1499		3,543.8839

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	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
Total	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.1371	4.9600	1.1901	0.0178	0.4547	5.0300e-003	0.4598	0.1309	4.8100e-003	0.1357		1,873.6783	1,873.6783	0.1096		1,876.4193
Worker	0.8186	0.4890	5.2248	0.0167	2.0455	0.0124	2.0579	0.5425	0.0114	0.5539		1,666.4592	1,666.4592	0.0402		1,667.4646
Total	0.9557	5.4489	6.4149	0.0345	2.5002	0.0174	2.5176	0.6734	0.0162	0.6896		3,540.1374	3,540.1374	0.1499		3,543.8839

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6877	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0671	0.0401	0.4283	1.3700e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		136.5950	136.5950	3.3000e-003		136.6774
Total	0.0671	0.0401	0.4283	1.3700e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		136.5950	136.5950	3.3000e-003		136.6774

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	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.6550					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.6877	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.5841	2,207.5841	0.7140		2,225.4336

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0671	0.0401	0.4283	1.3700e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		136.5950	136.5950	3.3000e-003		136.6774
Total	0.0671	0.0401	0.4283	1.3700e-003	0.1677	1.0100e-003	0.1687	0.0445	9.3000e-004	0.0454		136.5950	136.5950	3.3000e-003		136.6774

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.0570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	6.2487	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1655	0.0989	1.0564	3.3800e-003	0.4136	2.5000e-003	0.4161	0.1097	2.3000e-003	0.1120		336.9344	336.9344	8.1300e-003		337.1377
Total	0.1655	0.0989	1.0564	3.3800e-003	0.4136	2.5000e-003	0.4161	0.1097	2.3000e-003	0.1120		336.9344	336.9344	8.1300e-003		337.1377

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.0570					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	6.2487	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1655	0.0989	1.0564	3.3800e-003	0.4136	2.5000e-003	0.4161	0.1097	2.3000e-003	0.1120		336.9344	336.9344	8.1300e-003		337.1377
Total	0.1655	0.0989	1.0564	3.3800e-003	0.4136	2.5000e-003	0.4161	0.1097	2.3000e-003	0.1120		336.9344	336.9344	8.1300e-003		337.1377

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.8790	4.0932	18.2375	0.0597	4.8178	0.0523	4.8701	1.2065	0.0493	1.2557		6,255.8097	6,255.8097	0.3888		6,265.5301
Unmitigated	1.8790	4.0932	18.2375	0.0597	4.8178	0.0523	4.8701	1.2065	0.0493	1.2557		6,255.8097	6,255.8097	0.3888		6,265.5301

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	673.00	673.00	673.00	2,449,720	2,449,720
Parking Lot	0.00	0.00	0.00		
Total	673.00	673.00	673.00	2,449,720	2,449,720

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	10.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Parking Lot	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
City Park	0.558745	0.035303	0.181800	0.111169	0.014289	0.004794	0.018611	0.065078	0.001365	0.001491	0.005725	0.000799	0.000830
Parking Lot	0.558745	0.035303	0.181800	0.111169	0.014289	0.004794	0.018611	0.065078	0.001365	0.001491	0.005725	0.000799	0.000830

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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

Upland Memorial Park Upgrade and Improvements Project - San Bernardino-South Coast County, Winter

5.2 Energy by Land Use - NaturalGas

Unmitigated

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

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Unmitigated	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0166					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Total	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0166					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.0884					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	9.0000e-005	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003
Total	0.1051	1.0000e-005	1.0200e-003	0.0000		0.0000	0.0000		0.0000	0.0000		2.1900e-003	2.1900e-003	1.0000e-005		2.3300e-003

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

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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

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1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
City Park	5.00	Acre	5.00	217,800.00	0
Parking Lot	5.00	Acre	5.00	217,800.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	32
Climate Zone	10			Operational Year	2024
Utility Company	Southern California Edison				
CO2 Intensity (lb/MW hr)	427.1	CH4 Intensity (lb/MW hr)	0.027	N2O Intensity (lb/MW hr)	0.003

1.3 User Entered Comments & Non-Default Data

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Project Characteristics - MIG Modeler: C. Dugan. SCE CO2 intensity factor based on estimated 2022 RPS progress. CH4 and N2O factors based on EGRID 2018 data.

Land Use - Land use inputs reflect maximum surface area disturbance and addition of new parking area per conceptual site plan.

Construction Phase - Construction schedule shortened to reflect nature of project (minor improvements to existing City park).

Demolition - Demolition added to account for replacement of Tiny Tots building.

Vehicle Trips - Net trip rates from project Scoping Agreement and Trip Generation Memo (Ganddini, 2021). All trips assumed to be primary. Trip length reduced to account for local-serving nature of the park and the approximately 4-mile diameter of the City.

Vehicle Emission Factors - Annual emission factors updated per EMFAC2021 v1.0.1.

Vehicle Emission Factors - Summer emission factors updated per EMFAC2021 v1.0.1.

Vehicle Emission Factors - Winter emission factors updated per EMFAC2021 v1.0.1.

Energy Use -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
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tblConstructionPhase	NumDays	230.00	190.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	PhaseEndDate	3/22/2024	12/29/2023
tblConstructionPhase	PhaseEndDate	1/26/2024	11/17/2023
tblConstructionPhase	PhaseEndDate	1/27/2023	1/13/2023
tblConstructionPhase	PhaseEndDate	3/10/2023	2/24/2023
tblConstructionPhase	PhaseEndDate	2/23/2024	12/15/2023
tblConstructionPhase	PhaseEndDate	2/10/2023	1/27/2023
tblConstructionPhase	PhaseStartDate	2/24/2024	12/16/2023
tblConstructionPhase	PhaseStartDate	3/11/2023	2/25/2023
tblConstructionPhase	PhaseStartDate	2/11/2023	1/28/2023
tblConstructionPhase	PhaseStartDate	1/27/2024	11/18/2023
tblConstructionPhase	PhaseStartDate	1/28/2023	1/14/2023

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tblProjectCharacteristics	CH4IntensityFactor	0.029	0.027
tblProjectCharacteristics	CO2IntensityFactor	702.44	427.1
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.003
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tblVehicleEF	HHD	0.59	0.32
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tblVehicleEF	LDA	0.08	0.41
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tblVehicleEF	LDA	0.03	0.22
tblVehicleEF	LDA	0.05	0.24
tblVehicleEF	LDA	2.5450e-003	2.8670e-003
tblVehicleEF	LDA	5.4200e-004	6.5100e-004
tblVehicleEF	LDA	0.08	0.41
tblVehicleEF	LDA	0.10	0.09
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	0.01	0.27
tblVehicleEF	LDA	0.03	0.22
tblVehicleEF	LDA	0.05	0.27
tblVehicleEF	LDA	3.3950e-003	2.1440e-003
tblVehicleEF	LDA	4.2830e-003	0.06
tblVehicleEF	LDA	0.48	0.66
tblVehicleEF	LDA	0.97	2.77
tblVehicleEF	LDA	227.08	263.22
tblVehicleEF	LDA	52.85	66.68
tblVehicleEF	LDA	0.04	0.04
tblVehicleEF	LDA	0.06	0.23
tblVehicleEF	LDA	0.04	7.1530e-003
tblVehicleEF	LDA	1.6390e-003	1.2370e-003
tblVehicleEF	LDA	2.2390e-003	2.0060e-003
tblVehicleEF	LDA	0.02	2.5040e-003
tblVehicleEF	LDA	1.5090e-003	1.1380e-003

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tblVehicleEF	LDA	2.0590e-003	1.8440e-003
tblVehicleEF	LDA	0.04	0.32
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	8.5140e-003	7.9260e-003
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.06	0.29
tblVehicleEF	LDA	2.2730e-003	2.6020e-003
tblVehicleEF	LDA	5.4500e-004	6.5900e-004
tblVehicleEF	LDA	0.04	0.32
tblVehicleEF	LDA	0.10	0.08
tblVehicleEF	LDA	0.03	0.00
tblVehicleEF	LDA	0.01	0.31
tblVehicleEF	LDA	0.04	0.21
tblVehicleEF	LDA	0.06	0.31
tblVehicleEF	LDT1	0.01	9.1720e-003
tblVehicleEF	LDT1	0.01	0.13
tblVehicleEF	LDT1	1.27	1.98
tblVehicleEF	LDT1	2.92	6.39
tblVehicleEF	LDT1	294.54	340.41
tblVehicleEF	LDT1	66.91	90.26
tblVehicleEF	LDT1	0.13	0.19
tblVehicleEF	LDT1	0.17	0.47
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.4790e-003	2.2560e-003
tblVehicleEF	LDT1	3.3490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003

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tblVehicleEF	LDT1	2.2820e-003	2.0760e-003
tblVehicleEF	LDT1	3.0800e-003	3.2370e-003
tblVehicleEF	LDT1	0.16	0.96
tblVehicleEF	LDT1	0.29	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.18	0.69
tblVehicleEF	LDT1	0.20	0.68
tblVehicleEF	LDT1	2.9610e-003	3.3650e-003
tblVehicleEF	LDT1	7.2000e-004	8.9200e-004
tblVehicleEF	LDT1	0.16	0.96
tblVehicleEF	LDT1	0.29	0.23
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.04	0.74
tblVehicleEF	LDT1	0.18	0.69
tblVehicleEF	LDT1	0.22	0.74
tblVehicleEF	LDT1	0.01	9.7300e-003
tblVehicleEF	LDT1	0.01	0.11
tblVehicleEF	LDT1	1.52	2.64
tblVehicleEF	LDT1	2.41	5.32
tblVehicleEF	LDT1	320.99	366.96
tblVehicleEF	LDT1	66.91	88.23
tblVehicleEF	LDT1	0.12	0.16
tblVehicleEF	LDT1	0.16	0.44
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.4790e-003	2.2560e-003
tblVehicleEF	LDT1	3.3490e-003	3.5200e-003

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tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.2820e-003	2.0760e-003
tblVehicleEF	LDT1	3.0800e-003	3.2370e-003
tblVehicleEF	LDT1	0.33	1.28
tblVehicleEF	LDT1	0.36	0.25
tblVehicleEF	LDT1	0.24	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.18	0.72
tblVehicleEF	LDT1	0.17	0.58
tblVehicleEF	LDT1	3.2290e-003	3.6280e-003
tblVehicleEF	LDT1	7.1100e-004	8.7200e-004
tblVehicleEF	LDT1	0.33	1.28
tblVehicleEF	LDT1	0.36	0.25
tblVehicleEF	LDT1	0.24	0.00
tblVehicleEF	LDT1	0.04	0.63
tblVehicleEF	LDT1	0.18	0.72
tblVehicleEF	LDT1	0.18	0.64
tblVehicleEF	LDT1	0.01	9.0930e-003
tblVehicleEF	LDT1	0.01	0.13
tblVehicleEF	LDT1	1.21	1.86
tblVehicleEF	LDT1	2.88	6.41
tblVehicleEF	LDT1	288.31	335.53
tblVehicleEF	LDT1	66.91	90.30
tblVehicleEF	LDT1	0.12	0.18
tblVehicleEF	LDT1	0.17	0.46
tblVehicleEF	LDT1	0.04	8.8510e-003
tblVehicleEF	LDT1	2.4790e-003	2.2560e-003

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tblVehicleEF	LDT1	3.3490e-003	3.5200e-003
tblVehicleEF	LDT1	0.02	3.0980e-003
tblVehicleEF	LDT1	2.2820e-003	2.0760e-003
tblVehicleEF	LDT1	3.0800e-003	3.2370e-003
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.34	0.23
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.03	0.04
tblVehicleEF	LDT1	0.21	0.71
tblVehicleEF	LDT1	0.20	0.68
tblVehicleEF	LDT1	2.8980e-003	3.3170e-003
tblVehicleEF	LDT1	7.2000e-004	8.9300e-004
tblVehicleEF	LDT1	0.17	0.96
tblVehicleEF	LDT1	0.34	0.23
tblVehicleEF	LDT1	0.10	0.00
tblVehicleEF	LDT1	0.04	0.75
tblVehicleEF	LDT1	0.21	0.71
tblVehicleEF	LDT1	0.22	0.75
tblVehicleEF	LDT2	5.3570e-003	3.0530e-003
tblVehicleEF	LDT2	6.4770e-003	0.08
tblVehicleEF	LDT2	0.71	0.90
tblVehicleEF	LDT2	1.39	3.45
tblVehicleEF	LDT2	328.11	346.22
tblVehicleEF	LDT2	74.12	86.80
tblVehicleEF	LDT2	0.07	0.07
tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003

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tblVehicleEF	LDT2	1.7520e-003	1.3020e-003
tblVehicleEF	LDT2	2.4320e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.6110e-003	1.1970e-003
tblVehicleEF	LDT2	2.2360e-003	1.9060e-003
tblVehicleEF	LDT2	0.06	0.34
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.06	0.23
tblVehicleEF	LDT2	0.09	0.37
tblVehicleEF	LDT2	3.2870e-003	3.4220e-003
tblVehicleEF	LDT2	7.6500e-004	8.5800e-004
tblVehicleEF	LDT2	0.06	0.34
tblVehicleEF	LDT2	0.11	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.06	0.23
tblVehicleEF	LDT2	0.10	0.40
tblVehicleEF	LDT2	6.0780e-003	3.2450e-003
tblVehicleEF	LDT2	5.3990e-003	0.07
tblVehicleEF	LDT2	0.87	1.21
tblVehicleEF	LDT2	1.15	2.89
tblVehicleEF	LDT2	358.16	370.27
tblVehicleEF	LDT2	74.12	85.74
tblVehicleEF	LDT2	0.06	0.06
tblVehicleEF	LDT2	0.10	0.30

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tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.7520e-003	1.3020e-003
tblVehicleEF	LDT2	2.4320e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.6110e-003	1.1970e-003
tblVehicleEF	LDT2	2.2360e-003	1.9060e-003
tblVehicleEF	LDT2	0.12	0.44
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.10	0.00
tblVehicleEF	LDT2	0.02	0.01
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	0.07	0.31
tblVehicleEF	LDT2	3.5890e-003	3.6600e-003
tblVehicleEF	LDT2	7.6000e-004	8.4800e-004
tblVehicleEF	LDT2	0.12	0.44
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.10	0.00
tblVehicleEF	LDT2	0.02	0.34
tblVehicleEF	LDT2	0.06	0.24
tblVehicleEF	LDT2	0.08	0.34
tblVehicleEF	LDT2	5.2180e-003	3.0280e-003
tblVehicleEF	LDT2	6.4370e-003	0.08
tblVehicleEF	LDT2	0.67	0.84
tblVehicleEF	LDT2	1.37	3.46
tblVehicleEF	LDT2	321.03	341.80
tblVehicleEF	LDT2	74.12	86.82
tblVehicleEF	LDT2	0.07	0.07

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tblVehicleEF	LDT2	0.11	0.32
tblVehicleEF	LDT2	0.04	8.3560e-003
tblVehicleEF	LDT2	1.7520e-003	1.3020e-003
tblVehicleEF	LDT2	2.4320e-003	2.0730e-003
tblVehicleEF	LDT2	0.02	2.9240e-003
tblVehicleEF	LDT2	1.6110e-003	1.1970e-003
tblVehicleEF	LDT2	2.2360e-003	1.9060e-003
tblVehicleEF	LDT2	0.06	0.35
tblVehicleEF	LDT2	0.12	0.08
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.01	0.01
tblVehicleEF	LDT2	0.07	0.23
tblVehicleEF	LDT2	0.09	0.37
tblVehicleEF	LDT2	3.2150e-003	3.3790e-003
tblVehicleEF	LDT2	7.6400e-004	8.5800e-004
tblVehicleEF	LDT2	0.06	0.35
tblVehicleEF	LDT2	0.12	0.08
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.40
tblVehicleEF	LDT2	0.07	0.23
tblVehicleEF	LDT2	0.10	0.40
tblVehicleEF	LHD1	4.8470e-003	5.1500e-003
tblVehicleEF	LHD1	0.01	5.3540e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.89	0.81
tblVehicleEF	LHD1	2.31	1.91

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tblVehicleEF	LHD1	9.22	8.94
tblVehicleEF	LHD1	599.78	565.14
tblVehicleEF	LHD1	29.30	16.42
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	1.82	0.81
tblVehicleEF	LHD1	0.92	0.41
tblVehicleEF	LHD1	9.6000e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.6900e-004	2.3000e-004
tblVehicleEF	LHD1	9.1800e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5600e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	7.9900e-004	2.1200e-004
tblVehicleEF	LHD1	3.4980e-003	0.14
tblVehicleEF	LHD1	0.11	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7520e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.24	0.11
tblVehicleEF	LHD1	9.2000e-005	8.7000e-005
tblVehicleEF	LHD1	5.8770e-003	5.5060e-003
tblVehicleEF	LHD1	3.3600e-004	1.6200e-004
tblVehicleEF	LHD1	3.4980e-003	0.14

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tblVehicleEF	LHD1	0.11	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7520e-003	0.00
tblVehicleEF	LHD1	0.09	0.11
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.26	0.12
tblVehicleEF	LHD1	4.8470e-003	5.1680e-003
tblVehicleEF	LHD1	0.01	5.4730e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.91	0.82
tblVehicleEF	LHD1	2.16	1.81
tblVehicleEF	LHD1	9.22	8.94
tblVehicleEF	LHD1	599.78	565.17
tblVehicleEF	LHD1	29.30	16.26
tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	1.71	0.76
tblVehicleEF	LHD1	0.88	0.39
tblVehicleEF	LHD1	9.6000e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.6900e-004	2.3000e-004
tblVehicleEF	LHD1	9.1800e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5600e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01

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tblVehicleEF	LHD1	7.9900e-004	2.1200e-004
tblVehicleEF	LHD1	6.8610e-003	0.18
tblVehicleEF	LHD1	0.13	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	3.9020e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.35	0.20
tblVehicleEF	LHD1	0.22	0.10
tblVehicleEF	LHD1	9.2000e-005	8.7000e-005
tblVehicleEF	LHD1	5.8770e-003	5.5060e-003
tblVehicleEF	LHD1	3.3400e-004	1.6100e-004
tblVehicleEF	LHD1	6.8610e-003	0.18
tblVehicleEF	LHD1	0.13	0.04
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	3.9020e-003	0.00
tblVehicleEF	LHD1	0.09	0.10
tblVehicleEF	LHD1	0.35	0.20
tblVehicleEF	LHD1	0.24	0.11
tblVehicleEF	LHD1	4.8470e-003	5.1520e-003
tblVehicleEF	LHD1	0.01	5.3800e-003
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	0.14	0.19
tblVehicleEF	LHD1	0.89	0.81
tblVehicleEF	LHD1	2.27	1.90
tblVehicleEF	LHD1	9.22	8.94
tblVehicleEF	LHD1	599.78	565.15
tblVehicleEF	LHD1	29.30	16.41

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tblVehicleEF	LHD1	0.09	0.06
tblVehicleEF	LHD1	1.79	0.80
tblVehicleEF	LHD1	0.91	0.40
tblVehicleEF	LHD1	9.6000e-004	7.8300e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	0.01	9.6180e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	8.6900e-004	2.3000e-004
tblVehicleEF	LHD1	9.1800e-004	7.4900e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.5600e-003	2.4050e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	7.9900e-004	2.1200e-004
tblVehicleEF	LHD1	3.7620e-003	0.14
tblVehicleEF	LHD1	0.12	0.03
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	1.7190e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.38	0.19
tblVehicleEF	LHD1	0.23	0.11
tblVehicleEF	LHD1	9.2000e-005	8.7000e-005
tblVehicleEF	LHD1	5.8770e-003	5.5060e-003
tblVehicleEF	LHD1	3.3600e-004	1.6200e-004
tblVehicleEF	LHD1	3.7620e-003	0.14
tblVehicleEF	LHD1	0.12	0.03
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	1.7190e-003	0.00

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tblVehicleEF	LHD1	0.09	0.11
tblVehicleEF	LHD1	0.38	0.19
tblVehicleEF	LHD1	0.26	0.12
tblVehicleEF	LHD2	3.2790e-003	3.5200e-003
tblVehicleEF	LHD2	3.7300e-003	4.0610e-003
tblVehicleEF	LHD2	6.5990e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.40	0.44
tblVehicleEF	LHD2	1.07	1.20
tblVehicleEF	LHD2	14.16	13.76
tblVehicleEF	LHD2	600.81	624.19
tblVehicleEF	LHD2	23.70	10.55
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.10	0.91
tblVehicleEF	LHD2	0.46	0.27
tblVehicleEF	LHD2	1.2350e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6900e-004	1.0700e-004
tblVehicleEF	LHD2	1.1820e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6940e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.3900e-004	9.9000e-005
tblVehicleEF	LHD2	1.1430e-003	0.08
tblVehicleEF	LHD2	0.03	0.02

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tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.3600e-004	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3200e-004
tblVehicleEF	LHD2	5.8420e-003	6.0160e-003
tblVehicleEF	LHD2	2.5600e-004	1.0400e-004
tblVehicleEF	LHD2	1.1430e-003	0.08
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.3600e-004	0.00
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.10
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	LHD2	3.2790e-003	3.5320e-003
tblVehicleEF	LHD2	3.7760e-003	4.0900e-003
tblVehicleEF	LHD2	6.3100e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.40	0.45
tblVehicleEF	LHD2	1.01	1.14
tblVehicleEF	LHD2	14.16	13.76
tblVehicleEF	LHD2	600.81	624.20
tblVehicleEF	LHD2	23.70	10.44
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.04	0.86
tblVehicleEF	LHD2	0.44	0.26

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tblVehicleEF	LHD2	1.2350e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6900e-004	1.0700e-004
tblVehicleEF	LHD2	1.1820e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6940e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.3900e-004	9.9000e-005
tblVehicleEF	LHD2	2.1960e-003	0.11
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	1.3570e-003	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.09	0.06
tblVehicleEF	LHD2	1.3800e-004	1.3200e-004
tblVehicleEF	LHD2	5.8420e-003	6.0160e-003
tblVehicleEF	LHD2	2.5500e-004	1.0300e-004
tblVehicleEF	LHD2	2.1960e-003	0.11
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.3570e-003	0.00
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.07	0.11
tblVehicleEF	LHD2	0.09	0.07

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tblVehicleEF	LHD2	3.2790e-003	3.5210e-003
tblVehicleEF	LHD2	3.7350e-003	4.0640e-003
tblVehicleEF	LHD2	6.5440e-003	0.01
tblVehicleEF	LHD2	0.12	0.15
tblVehicleEF	LHD2	0.40	0.44
tblVehicleEF	LHD2	1.06	1.20
tblVehicleEF	LHD2	14.16	13.76
tblVehicleEF	LHD2	600.81	624.19
tblVehicleEF	LHD2	23.70	10.54
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	1.09	0.90
tblVehicleEF	LHD2	0.45	0.27
tblVehicleEF	LHD2	1.2350e-003	1.2800e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.6900e-004	1.0700e-004
tblVehicleEF	LHD2	1.1820e-003	1.2250e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6940e-003	2.6430e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	3.3900e-004	9.9000e-005
tblVehicleEF	LHD2	1.1520e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	6.2000e-004	0.00
tblVehicleEF	LHD2	0.05	0.07

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tblVehicleEF	LHD2	0.08	0.10
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	1.3800e-004	1.3200e-004
tblVehicleEF	LHD2	5.8420e-003	6.0160e-003
tblVehicleEF	LHD2	2.5600e-004	1.0400e-004
tblVehicleEF	LHD2	1.1520e-003	0.08
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	6.2000e-004	0.00
tblVehicleEF	LHD2	0.06	0.06
tblVehicleEF	LHD2	0.08	0.10
tblVehicleEF	LHD2	0.10	0.07
tblVehicleEF	MCY	0.44	0.17
tblVehicleEF	MCY	0.16	0.18
tblVehicleEF	MCY	19.74	13.35
tblVehicleEF	MCY	9.96	7.71
tblVehicleEF	MCY	169.37	188.52
tblVehicleEF	MCY	45.59	48.91
tblVehicleEF	MCY	1.15	0.58
tblVehicleEF	MCY	0.31	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9350e-003	1.8650e-003
tblVehicleEF	MCY	3.3460e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8090e-003	1.7450e-003
tblVehicleEF	MCY	3.1480e-003	3.0800e-003
tblVehicleEF	MCY	1.44	2.51

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tblVehicleEF	MCY	0.81	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.20	1.12
tblVehicleEF	MCY	0.47	3.79
tblVehicleEF	MCY	2.13	1.31
tblVehicleEF	MCY	2.0800e-003	1.8640e-003
tblVehicleEF	MCY	6.8100e-004	4.8400e-004
tblVehicleEF	MCY	1.44	2.51
tblVehicleEF	MCY	0.81	3.59
tblVehicleEF	MCY	0.79	0.00
tblVehicleEF	MCY	2.72	1.42
tblVehicleEF	MCY	0.47	3.79
tblVehicleEF	MCY	2.32	1.42
tblVehicleEF	MCY	0.43	0.17
tblVehicleEF	MCY	0.13	0.16
tblVehicleEF	MCY	19.87	13.50
tblVehicleEF	MCY	9.04	6.98
tblVehicleEF	MCY	169.37	188.72
tblVehicleEF	MCY	45.59	47.22
tblVehicleEF	MCY	0.98	0.51
tblVehicleEF	MCY	0.29	0.13
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9350e-003	1.8650e-003
tblVehicleEF	MCY	3.3460e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8090e-003	1.7450e-003
tblVehicleEF	MCY	3.1480e-003	3.0800e-003

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tblVehicleEF	MCY	3.11	3.79
tblVehicleEF	MCY	1.24	3.76
tblVehicleEF	MCY	2.09	0.00
tblVehicleEF	MCY	2.15	1.11
tblVehicleEF	MCY	0.47	3.96
tblVehicleEF	MCY	1.84	1.15
tblVehicleEF	MCY	2.0800e-003	1.8660e-003
tblVehicleEF	MCY	6.5700e-004	4.6700e-004
tblVehicleEF	MCY	3.11	3.79
tblVehicleEF	MCY	1.24	3.76
tblVehicleEF	MCY	2.09	0.00
tblVehicleEF	MCY	2.66	1.25
tblVehicleEF	MCY	0.47	3.96
tblVehicleEF	MCY	2.00	1.25
tblVehicleEF	MCY	0.43	0.17
tblVehicleEF	MCY	0.15	0.18
tblVehicleEF	MCY	18.88	13.14
tblVehicleEF	MCY	9.60	7.60
tblVehicleEF	MCY	169.37	188.16
tblVehicleEF	MCY	45.59	48.67
tblVehicleEF	MCY	1.11	0.57
tblVehicleEF	MCY	0.31	0.14
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	1.9350e-003	1.8650e-003
tblVehicleEF	MCY	3.3460e-003	3.2780e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.8090e-003	1.7450e-003

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tblVehicleEF	MCY	3.1480e-003	3.0800e-003
tblVehicleEF	MCY	1.69	2.59
tblVehicleEF	MCY	1.09	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.17	1.11
tblVehicleEF	MCY	0.53	4.07
tblVehicleEF	MCY	2.06	1.29
tblVehicleEF	MCY	2.0660e-003	1.8600e-003
tblVehicleEF	MCY	6.7300e-004	4.8100e-004
tblVehicleEF	MCY	1.69	2.59
tblVehicleEF	MCY	1.09	3.60
tblVehicleEF	MCY	0.70	0.00
tblVehicleEF	MCY	2.68	1.40
tblVehicleEF	MCY	0.53	4.07
tblVehicleEF	MCY	2.24	1.40
tblVehicleEF	MDV	0.01	4.4100e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.13	1.10
tblVehicleEF	MDV	2.68	3.91
tblVehicleEF	MDV	455.56	424.26
tblVehicleEF	MDV	101.88	106.70
tblVehicleEF	MDV	0.14	0.11
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.7950e-003	1.4370e-003
tblVehicleEF	MDV	2.4230e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003

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tblVehicleEF	MDV	1.6540e-003	1.3250e-003
tblVehicleEF	MDV	2.2280e-003	2.0250e-003
tblVehicleEF	MDV	0.09	0.46
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.20	0.53
tblVehicleEF	MDV	4.5620e-003	4.1920e-003
tblVehicleEF	MDV	1.0660e-003	1.0550e-003
tblVehicleEF	MDV	0.09	0.46
tblVehicleEF	MDV	0.19	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.04	0.57
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.22	0.57
tblVehicleEF	MDV	0.01	4.6900e-003
tblVehicleEF	MDV	0.01	0.09
tblVehicleEF	MDV	1.38	1.47
tblVehicleEF	MDV	2.22	3.28
tblVehicleEF	MDV	495.92	449.20
tblVehicleEF	MDV	101.88	105.44
tblVehicleEF	MDV	0.13	0.10
tblVehicleEF	MDV	0.24	0.42
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.7950e-003	1.4370e-003
tblVehicleEF	MDV	2.4230e-003	2.2020e-003

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tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.6540e-003	1.3250e-003
tblVehicleEF	MDV	2.2280e-003	2.0250e-003
tblVehicleEF	MDV	0.19	0.58
tblVehicleEF	MDV	0.22	0.12
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.17	0.45
tblVehicleEF	MDV	4.9690e-003	4.4390e-003
tblVehicleEF	MDV	1.0570e-003	1.0420e-003
tblVehicleEF	MDV	0.19	0.58
tblVehicleEF	MDV	0.22	0.12
tblVehicleEF	MDV	0.17	0.00
tblVehicleEF	MDV	0.04	0.49
tblVehicleEF	MDV	0.11	0.33
tblVehicleEF	MDV	0.19	0.49
tblVehicleEF	MDV	0.01	4.3700e-003
tblVehicleEF	MDV	0.01	0.11
tblVehicleEF	MDV	1.07	1.03
tblVehicleEF	MDV	2.64	3.93
tblVehicleEF	MDV	446.15	419.67
tblVehicleEF	MDV	101.88	106.73
tblVehicleEF	MDV	0.13	0.11
tblVehicleEF	MDV	0.26	0.45
tblVehicleEF	MDV	0.04	8.6190e-003
tblVehicleEF	MDV	1.7950e-003	1.4370e-003

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tblVehicleEF	MDV	2.4230e-003	2.2020e-003
tblVehicleEF	MDV	0.02	3.0170e-003
tblVehicleEF	MDV	1.6540e-003	1.3250e-003
tblVehicleEF	MDV	2.2280e-003	2.0250e-003
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.21	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.12	0.33
tblVehicleEF	MDV	0.20	0.53
tblVehicleEF	MDV	4.4680e-003	4.1470e-003
tblVehicleEF	MDV	1.0650e-003	1.0550e-003
tblVehicleEF	MDV	0.09	0.47
tblVehicleEF	MDV	0.21	0.11
tblVehicleEF	MDV	0.08	0.00
tblVehicleEF	MDV	0.04	0.58
tblVehicleEF	MDV	0.12	0.33
tblVehicleEF	MDV	0.22	0.58
tblVehicleEF	MH	0.03	8.7020e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.16	1.05
tblVehicleEF	MH	5.58	2.33
tblVehicleEF	MH	1,051.62	1,541.49
tblVehicleEF	MH	58.77	22.42
tblVehicleEF	MH	1.36	1.38
tblVehicleEF	MH	0.83	0.30
tblVehicleEF	MH	0.13	0.04

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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	1.0410e-003	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2250e-003	3.2850e-003
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	9.5800e-004	2.5100e-004
tblVehicleEF	MH	1.28	35.26
tblVehicleEF	MH	0.08	8.42
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.08	0.05
tblVehicleEF	MH	0.03	0.19
tblVehicleEF	MH	0.32	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	6.8500e-004	2.2200e-004
tblVehicleEF	MH	1.28	35.26
tblVehicleEF	MH	0.08	8.42
tblVehicleEF	MH	0.45	0.00
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.03	0.19
tblVehicleEF	MH	0.35	0.12
tblVehicleEF	MH	0.03	8.9030e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.24	1.07
tblVehicleEF	MH	5.08	2.17
tblVehicleEF	MH	1,051.62	1,541.54
tblVehicleEF	MH	58.77	22.14

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tblVehicleEF	MH	1.24	1.28
tblVehicleEF	MH	0.79	0.29
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	1.0410e-003	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2250e-003	3.2850e-003
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	9.5800e-004	2.5100e-004
tblVehicleEF	MH	2.51	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.05	0.00
tblVehicleEF	MH	0.08	0.05
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.30	0.10
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	6.7600e-004	2.1900e-004
tblVehicleEF	MH	2.51	46.19
tblVehicleEF	MH	0.09	9.14
tblVehicleEF	MH	1.05	0.00
tblVehicleEF	MH	0.12	0.11
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.33	0.11
tblVehicleEF	MH	0.03	8.7090e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	2.17	1.05

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tblVehicleEF	MH	5.52	2.34
tblVehicleEF	MH	1,051.62	1,541.49
tblVehicleEF	MH	58.77	22.43
tblVehicleEF	MH	1.33	1.36
tblVehicleEF	MH	0.82	0.30
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	1.0410e-003	2.7300e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2250e-003	3.2850e-003
tblVehicleEF	MH	0.03	0.04
tblVehicleEF	MH	9.5800e-004	2.5100e-004
tblVehicleEF	MH	1.50	35.35
tblVehicleEF	MH	0.10	8.37
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.08	0.05
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.32	0.11
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	6.8400e-004	2.2200e-004
tblVehicleEF	MH	1.50	35.35
tblVehicleEF	MH	0.10	8.37
tblVehicleEF	MH	0.46	0.00
tblVehicleEF	MH	0.11	0.12
tblVehicleEF	MH	0.03	0.20
tblVehicleEF	MH	0.35	0.12

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tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.6000e-003	7.7320e-003
tblVehicleEF	MHD	0.04	6.3740e-003
tblVehicleEF	MHD	0.30	0.64
tblVehicleEF	MHD	0.23	0.23
tblVehicleEF	MHD	4.34	0.73
tblVehicleEF	MHD	155.87	160.75
tblVehicleEF	MHD	1,101.40	1,134.10
tblVehicleEF	MHD	50.42	6.25
tblVehicleEF	MHD	0.42	0.84
tblVehicleEF	MHD	0.64	0.73
tblVehicleEF	MHD	12.05	1.48
tblVehicleEF	MHD	1.0400e-004	1.4030e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	2.7700e-003	9.1060e-003
tblVehicleEF	MHD	6.8900e-004	7.0000e-005
tblVehicleEF	MHD	9.9000e-005	1.3420e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	2.6470e-003	8.7080e-003
tblVehicleEF	MHD	6.3400e-004	6.4000e-005
tblVehicleEF	MHD	1.0590e-003	0.02
tblVehicleEF	MHD	0.04	4.8250e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.6000e-004	0.00
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.27	0.03

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tblVehicleEF	MHD	1.4970e-003	1.4790e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.8000e-004	6.2000e-005
tblVehicleEF	MHD	1.0590e-003	0.02
tblVehicleEF	MHD	0.04	4.8250e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	5.6000e-004	0.00
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.29	0.04
tblVehicleEF	MHD	0.01	0.02
tblVehicleEF	MHD	2.6390e-003	7.7620e-003
tblVehicleEF	MHD	0.04	6.1230e-003
tblVehicleEF	MHD	0.22	0.60
tblVehicleEF	MHD	0.23	0.23
tblVehicleEF	MHD	4.06	0.69
tblVehicleEF	MHD	165.10	159.41
tblVehicleEF	MHD	1,101.40	1,134.11
tblVehicleEF	MHD	50.42	6.18
tblVehicleEF	MHD	0.44	0.81
tblVehicleEF	MHD	0.60	0.69
tblVehicleEF	MHD	12.02	1.48
tblVehicleEF	MHD	8.7000e-005	1.1930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	2.7700e-003	9.1060e-003
tblVehicleEF	MHD	6.8900e-004	7.0000e-005
tblVehicleEF	MHD	8.4000e-005	1.1410e-003

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tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	2.6470e-003	8.7080e-003
tblVehicleEF	MHD	6.3400e-004	6.4000e-005
tblVehicleEF	MHD	2.0770e-003	0.03
tblVehicleEF	MHD	0.04	5.2310e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	1.2630e-003	0.00
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.25	0.03
tblVehicleEF	MHD	1.5840e-003	1.4660e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.7500e-004	6.1000e-005
tblVehicleEF	MHD	2.0770e-003	0.03
tblVehicleEF	MHD	0.04	5.2310e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	1.2630e-003	0.00
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.28	0.04
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	2.6040e-003	7.7330e-003
tblVehicleEF	MHD	0.04	6.3290e-003
tblVehicleEF	MHD	0.41	0.70
tblVehicleEF	MHD	0.23	0.23
tblVehicleEF	MHD	4.27	0.72
tblVehicleEF	MHD	143.11	162.59

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tblVehicleEF	MHD	1,101.40	1,134.10
tblVehicleEF	MHD	50.42	6.24
tblVehicleEF	MHD	0.40	0.88
tblVehicleEF	MHD	0.63	0.72
tblVehicleEF	MHD	12.04	1.48
tblVehicleEF	MHD	1.2600e-004	1.6930e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	2.7700e-003	9.1060e-003
tblVehicleEF	MHD	6.8900e-004	7.0000e-005
tblVehicleEF	MHD	1.2100e-004	1.6190e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	2.6470e-003	8.7080e-003
tblVehicleEF	MHD	6.3400e-004	6.4000e-005
tblVehicleEF	MHD	1.1160e-003	0.02
tblVehicleEF	MHD	0.04	4.7950e-003
tblVehicleEF	MHD	0.02	0.02
tblVehicleEF	MHD	5.4700e-004	0.00
tblVehicleEF	MHD	0.03	0.02
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.26	0.03
tblVehicleEF	MHD	1.3770e-003	1.4960e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	5.7900e-004	6.2000e-005
tblVehicleEF	MHD	1.1160e-003	0.02
tblVehicleEF	MHD	0.04	4.7950e-003
tblVehicleEF	MHD	0.03	0.04
tblVehicleEF	MHD	5.4700e-004	0.00

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tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	0.02	0.04
tblVehicleEF	MHD	0.29	0.04
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.2410e-003	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.24	0.52
tblVehicleEF	OBUS	0.47	0.91
tblVehicleEF	OBUS	5.59	2.72
tblVehicleEF	OBUS	65.08	72.64
tblVehicleEF	OBUS	1,122.26	1,461.31
tblVehicleEF	OBUS	70.20	22.62
tblVehicleEF	OBUS	0.12	0.27
tblVehicleEF	OBUS	0.45	1.09
tblVehicleEF	OBUS	1.81	0.69
tblVehicleEF	OBUS	1.1000e-005	5.7700e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	1.9630e-003	0.02
tblVehicleEF	OBUS	9.4500e-004	2.4100e-004
tblVehicleEF	OBUS	1.1000e-005	5.5200e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	1.8550e-003	0.02
tblVehicleEF	OBUS	8.6900e-004	2.2100e-004
tblVehicleEF	OBUS	1.9890e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.6300e-004	0.00

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tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.34	0.13
tblVehicleEF	OBUS	6.3300e-004	6.5600e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	8.0000e-004	2.2400e-004
tblVehicleEF	OBUS	1.9890e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	8.6300e-004	0.00
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.38	0.15
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.4380e-003	0.04
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.24	0.51
tblVehicleEF	OBUS	0.49	0.93
tblVehicleEF	OBUS	5.12	2.53
tblVehicleEF	OBUS	67.92	72.07
tblVehicleEF	OBUS	1,122.26	1,461.34
tblVehicleEF	OBUS	70.20	22.30
tblVehicleEF	OBUS	0.13	0.26
tblVehicleEF	OBUS	0.41	1.01
tblVehicleEF	OBUS	1.76	0.67
tblVehicleEF	OBUS	9.0000e-006	4.9300e-004
tblVehicleEF	OBUS	0.13	0.05

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tblVehicleEF	OBUS	1.9630e-003	0.02
tblVehicleEF	OBUS	9.4500e-004	2.4100e-004
tblVehicleEF	OBUS	9.0000e-006	4.7100e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	1.8550e-003	0.02
tblVehicleEF	OBUS	8.6900e-004	2.2100e-004
tblVehicleEF	OBUS	3.8500e-003	0.18
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	1.9610e-003	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.32	0.13
tblVehicleEF	OBUS	6.6000e-004	6.5000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9200e-004	2.2000e-004
tblVehicleEF	OBUS	3.8500e-003	0.18
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.08
tblVehicleEF	OBUS	1.9610e-003	0.00
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.36	0.14
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	7.2610e-003	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.25	0.53

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tblVehicleEF	OBUS	0.48	0.92
tblVehicleEF	OBUS	5.55	2.72
tblVehicleEF	OBUS	61.15	73.43
tblVehicleEF	OBUS	1,122.26	1,461.31
tblVehicleEF	OBUS	70.20	22.63
tblVehicleEF	OBUS	0.12	0.29
tblVehicleEF	OBUS	0.44	1.07
tblVehicleEF	OBUS	1.79	0.68
tblVehicleEF	OBUS	1.4000e-005	6.9400e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	1.9630e-003	0.02
tblVehicleEF	OBUS	9.4500e-004	2.4100e-004
tblVehicleEF	OBUS	1.3000e-005	6.6400e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	1.8550e-003	0.02
tblVehicleEF	OBUS	8.6900e-004	2.2100e-004
tblVehicleEF	OBUS	2.0720e-003	0.13
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.03	0.05
tblVehicleEF	OBUS	8.6200e-004	0.00
tblVehicleEF	OBUS	0.03	0.06
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.34	0.13
tblVehicleEF	OBUS	5.9600e-004	6.6300e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9900e-004	2.2400e-004
tblVehicleEF	OBUS	2.0720e-003	0.13

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tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.07
tblVehicleEF	OBUS	8.6200e-004	0.00
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.05	0.13
tblVehicleEF	OBUS	0.38	0.15
tblVehicleEF	SBUS	0.83	0.51
tblVehicleEF	SBUS	9.2120e-003	1.34
tblVehicleEF	SBUS	0.06	6.8410e-003
tblVehicleEF	SBUS	5.90	2.91
tblVehicleEF	SBUS	0.56	5.05
tblVehicleEF	SBUS	5.13	0.89
tblVehicleEF	SBUS	1,231.15	269.17
tblVehicleEF	SBUS	1,120.79	1,227.15
tblVehicleEF	SBUS	39.22	5.44
tblVehicleEF	SBUS	10.14	1.14
tblVehicleEF	SBUS	3.99	2.37
tblVehicleEF	SBUS	14.61	0.18
tblVehicleEF	SBUS	9.1600e-003	1.6750e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.6800e-004	5.3000e-005
tblVehicleEF	SBUS	8.7640e-003	1.5850e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7400e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01

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tblVehicleEF	SBUS	5.2200e-004	4.9000e-005
tblVehicleEF	SBUS	2.9390e-003	0.06
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.70	0.27
tblVehicleEF	SBUS	1.3780e-003	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	9.1030e-003	0.03
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	1.2750e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	4.8100e-004	5.4000e-005
tblVehicleEF	SBUS	2.9390e-003	0.06
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.00	0.84
tblVehicleEF	SBUS	1.3780e-003	0.00
tblVehicleEF	SBUS	0.12	0.20
tblVehicleEF	SBUS	9.1030e-003	0.03
tblVehicleEF	SBUS	0.29	0.04
tblVehicleEF	SBUS	0.83	0.51
tblVehicleEF	SBUS	9.3730e-003	1.34
tblVehicleEF	SBUS	0.05	5.7300e-003
tblVehicleEF	SBUS	5.77	2.90
tblVehicleEF	SBUS	0.57	5.06
tblVehicleEF	SBUS	3.51	0.64
tblVehicleEF	SBUS	1,292.80	271.88
tblVehicleEF	SBUS	1,120.79	1,227.18
tblVehicleEF	SBUS	39.22	5.03

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tblVehicleEF	SBUS	10.46	1.17
tblVehicleEF	SBUS	3.74	2.22
tblVehicleEF	SBUS	14.58	0.17
tblVehicleEF	SBUS	7.7220e-003	1.4890e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.6800e-004	5.3000e-005
tblVehicleEF	SBUS	7.3880e-003	1.4070e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7400e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.2200e-004	4.9000e-005
tblVehicleEF	SBUS	5.5960e-003	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	0.70	0.27
tblVehicleEF	SBUS	2.9710e-003	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	8.3110e-003	0.03
tblVehicleEF	SBUS	0.22	0.03
tblVehicleEF	SBUS	0.01	1.3010e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	4.5400e-004	5.0000e-005
tblVehicleEF	SBUS	5.5960e-003	0.08
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.00	0.84
tblVehicleEF	SBUS	2.9710e-003	0.00

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tblVehicleEF	SBUS	0.12	0.16
tblVehicleEF	SBUS	8.3110e-003	0.03
tblVehicleEF	SBUS	0.24	0.04
tblVehicleEF	SBUS	0.83	0.51
tblVehicleEF	SBUS	9.2160e-003	1.34
tblVehicleEF	SBUS	0.06	7.0470e-003
tblVehicleEF	SBUS	6.08	2.92
tblVehicleEF	SBUS	0.56	5.05
tblVehicleEF	SBUS	5.17	0.93
tblVehicleEF	SBUS	1,146.01	265.43
tblVehicleEF	SBUS	1,120.79	1,227.15
tblVehicleEF	SBUS	39.22	5.51
tblVehicleEF	SBUS	9.69	1.11
tblVehicleEF	SBUS	3.93	2.33
tblVehicleEF	SBUS	14.61	0.18
tblVehicleEF	SBUS	0.01	1.9330e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.6800e-004	5.3000e-005
tblVehicleEF	SBUS	0.01	1.8320e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.7400e-003	2.5590e-003
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	5.2200e-004	4.9000e-005
tblVehicleEF	SBUS	2.8670e-003	0.06
tblVehicleEF	SBUS	0.02	0.01

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tblVehicleEF	SBUS	0.70	0.27
tblVehicleEF	SBUS	1.3540e-003	0.00
tblVehicleEF	SBUS	0.10	0.08
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.27	0.04
tblVehicleEF	SBUS	0.01	1.2400e-003
tblVehicleEF	SBUS	0.01	6.8400e-003
tblVehicleEF	SBUS	4.8200e-004	5.4000e-005
tblVehicleEF	SBUS	2.8670e-003	0.06
tblVehicleEF	SBUS	0.02	0.01
tblVehicleEF	SBUS	1.01	0.84
tblVehicleEF	SBUS	1.3540e-003	0.00
tblVehicleEF	SBUS	0.12	0.20
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.30	0.04
tblVehicleEF	UBUS	1.62	2.00
tblVehicleEF	UBUS	0.08	7.8120e-003
tblVehicleEF	UBUS	8.33	27.99
tblVehicleEF	UBUS	13.39	1.09
tblVehicleEF	UBUS	1,818.42	1,626.34
tblVehicleEF	UBUS	138.62	7.58
tblVehicleEF	UBUS	4.85	0.39
tblVehicleEF	UBUS	13.25	0.07
tblVehicleEF	UBUS	0.51	0.10
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.05	1.7180e-003
tblVehicleEF	UBUS	1.4450e-003	4.0000e-005

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tblVehicleEF	UBUS	0.22	0.04
tblVehicleEF	UBUS	3.0000e-003	7.1750e-003
tblVehicleEF	UBUS	0.05	1.6380e-003
tblVehicleEF	UBUS	1.3280e-003	3.6000e-005
tblVehicleEF	UBUS	7.4710e-003	0.02
tblVehicleEF	UBUS	0.10	4.9380e-003
tblVehicleEF	UBUS	3.6930e-003	0.00
tblVehicleEF	UBUS	0.49	0.03
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.10	0.03
tblVehicleEF	UBUS	9.7450e-003	9.6300e-004
tblVehicleEF	UBUS	1.6300e-003	7.5000e-005
tblVehicleEF	UBUS	7.4710e-003	0.02
tblVehicleEF	UBUS	0.10	4.9380e-003
tblVehicleEF	UBUS	3.6930e-003	0.00
tblVehicleEF	UBUS	2.17	0.02
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.20	0.03
tblVehicleEF	UBUS	1.63	2.00
tblVehicleEF	UBUS	0.07	7.1310e-003
tblVehicleEF	UBUS	8.41	27.99
tblVehicleEF	UBUS	11.00	0.93
tblVehicleEF	UBUS	1,818.42	1,626.34
tblVehicleEF	UBUS	138.62	7.32
tblVehicleEF	UBUS	4.50	0.38
tblVehicleEF	UBUS	13.14	0.07
tblVehicleEF	UBUS	0.51	0.10

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tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.05	1.7180e-003
tblVehicleEF	UBUS	1.4450e-003	4.0000e-005
tblVehicleEF	UBUS	0.22	0.04
tblVehicleEF	UBUS	3.0000e-003	7.1750e-003
tblVehicleEF	UBUS	0.05	1.6380e-003
tblVehicleEF	UBUS	1.3280e-003	3.6000e-005
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	5.3960e-003
tblVehicleEF	UBUS	8.6540e-003	0.00
tblVehicleEF	UBUS	0.50	0.04
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	0.98	0.03
tblVehicleEF	UBUS	9.7470e-003	9.6400e-004
tblVehicleEF	UBUS	1.5890e-003	7.2000e-005
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.13	5.3960e-003
tblVehicleEF	UBUS	8.6540e-003	0.00
tblVehicleEF	UBUS	2.18	0.02
tblVehicleEF	UBUS	0.02	0.02
tblVehicleEF	UBUS	1.07	0.03
tblVehicleEF	UBUS	1.62	2.00
tblVehicleEF	UBUS	0.08	7.8700e-003
tblVehicleEF	UBUS	8.34	27.99
tblVehicleEF	UBUS	12.95	1.10
tblVehicleEF	UBUS	1,818.42	1,626.34
tblVehicleEF	UBUS	138.62	7.61

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tblVehicleEF	UBUS	4.76	0.39
tblVehicleEF	UBUS	13.23	0.07
tblVehicleEF	UBUS	0.51	0.10
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.05	1.7180e-003
tblVehicleEF	UBUS	1.4450e-003	4.0000e-005
tblVehicleEF	UBUS	0.22	0.04
tblVehicleEF	UBUS	3.0000e-003	7.1750e-003
tblVehicleEF	UBUS	0.05	1.6380e-003
tblVehicleEF	UBUS	1.3280e-003	3.6000e-005
tblVehicleEF	UBUS	8.4070e-003	0.02
tblVehicleEF	UBUS	0.13	4.9030e-003
tblVehicleEF	UBUS	3.8160e-003	0.00
tblVehicleEF	UBUS	0.49	0.03
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.08	0.03
tblVehicleEF	UBUS	9.7460e-003	9.6300e-004
tblVehicleEF	UBUS	1.6230e-003	7.5000e-005
tblVehicleEF	UBUS	8.4070e-003	0.02
tblVehicleEF	UBUS	0.13	4.9030e-003
tblVehicleEF	UBUS	3.8160e-003	0.00
tblVehicleEF	UBUS	2.17	0.02
tblVehicleEF	UBUS	0.03	0.02
tblVehicleEF	UBUS	1.18	0.03
tblVehicleTrips	CC_TTP	48.00	0.00
tblVehicleTrips	CNW_TTP	19.00	0.00
tblVehicleTrips	CW_TL	16.60	10.00

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tblVehicleTrips	CW_TTP	33.00	100.00
tblVehicleTrips	DV_TP	28.00	0.00
tblVehicleTrips	PB_TP	6.00	0.00
tblVehicleTrips	PR_TP	66.00	100.00
tblVehicleTrips	ST_TR	22.75	134.60
tblVehicleTrips	SU_TR	16.74	134.60
tblVehicleTrips	WD_TR	1.89	134.60

2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2023	3-31-2023	0.9230	0.9230
2	4-1-2023	6-30-2023	0.7278	0.7278
3	7-1-2023	9-30-2023	0.7358	0.7358
		Highest	0.9230	0.9230

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0192	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	14.7680	14.7680	9.3000e-004	1.0000e-004	14.8222
Mobile	0.3400	0.7510	3.4420	0.0109	0.8591	9.4900e-003	0.8686	0.2152	8.9400e-003	0.2242	0.0000	1,040.7899	1,040.7899	0.0641	0.0000	1,042.3926
Waste						0.0000	0.0000		0.0000	0.0000	0.0873	0.0000	0.0873	5.1600e-003	0.0000	0.2163
Water						0.0000	0.0000		0.0000	0.0000	0.0000	12.8223	12.8223	8.1000e-004	9.0000e-005	12.8694
Total	0.3592	0.7510	3.4421	0.0109	0.8591	9.4900e-003	0.8686	0.2152	8.9400e-003	0.2242	0.0873	1,068.3805	1,068.4678	0.0710	1.9000e-004	1,070.3008

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0192	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Energy	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	14.7680	14.7680	9.3000e-004	1.0000e-004	14.8222
Mobile	0.3400	0.7510	3.4420	0.0109	0.8591	9.4900e-003	0.8686	0.2152	8.9400e-003	0.2242	0.0000	1,040.7899	1,040.7899	0.0641	0.0000	1,042.3926
Waste						0.0000	0.0000		0.0000	0.0000	0.0873	0.0000	0.0873	5.1600e-003	0.0000	0.2163
Water						0.0000	0.0000		0.0000	0.0000	0.0000	12.8223	12.8223	8.1000e-004	9.0000e-005	12.8694
Total	0.3592	0.7510	3.4421	0.0109	0.8591	9.4900e-003	0.8686	0.2152	8.9400e-003	0.2242	0.0873	1,068.3805	1,068.4678	0.0710	1.9000e-004	1,070.3008

	ROG	NOx	CO	SO2	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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2023	1/13/2023	5	10	
2	Site Preparation	Site Preparation	1/14/2023	1/27/2023	5	10	
3	Grading	Grading	1/28/2023	2/24/2023	5	20	
4	Building Construction	Building Construction	2/25/2023	11/17/2023	5	190	
5	Paving	Paving	11/18/2023	12/15/2023	5	20	
6	Architectural Coating	Architectural Coating	12/16/2023	12/29/2023	5	10	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 50

Acres of Paving: 5

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 13,068 (Architectural Coating – sqft)

OffRoad Equipment

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Demolition	Excavators	3	8.00	158	0.38
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Excavators	2	8.00	158	0.38
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Paving	Pavers	2	8.00	130	0.42
Paving	Rollers	2	8.00	80	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Paving Equipment	2	8.00	132	0.36
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Building Construction	Welders	1	8.00	46	0.45

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	20.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	183.00	71.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	37.00	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 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2100e-003	0.0000	2.2100e-003	3.4000e-004	0.0000	3.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1074	0.0982	1.9000e-004		4.9900e-003	4.9900e-003		4.6400e-003	4.6400e-003	0.0000	16.9960	16.9960	4.7600e-003	0.0000	17.1150
Total	0.0114	0.1074	0.0982	1.9000e-004	2.2100e-003	4.9900e-003	7.2000e-003	3.4000e-004	4.6400e-003	4.9800e-003	0.0000	16.9960	16.9960	4.7600e-003	0.0000	17.1150

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3.2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4200e-003	3.1000e-004	1.0000e-005	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.7072	0.7072	3.0000e-005	0.0000	0.7080
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.2500e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6331	0.6331	2.0000e-005	0.0000	0.6335
Total	3.4000e-004	1.6300e-003	2.5600e-003	2.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	1.3403	1.3403	5.0000e-005	0.0000	1.3416

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.0000e-003	0.0000	1.0000e-003	1.5000e-004	0.0000	1.5000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0114	0.1074	0.0982	1.9000e-004		4.9900e-003	4.9900e-003		4.6400e-003	4.6400e-003	0.0000	16.9960	16.9960	4.7600e-003	0.0000	17.1150
Total	0.0114	0.1074	0.0982	1.9000e-004	1.0000e-003	4.9900e-003	5.9900e-003	1.5000e-004	4.6400e-003	4.7900e-003	0.0000	16.9960	16.9960	4.7600e-003	0.0000	17.1150

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3.2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.0000e-005	1.4200e-003	3.1000e-004	1.0000e-005	1.7000e-004	0.0000	1.7000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.7072	0.7072	3.0000e-005	0.0000	0.7080
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e-004	2.1000e-004	2.2500e-003	1.0000e-005	8.2000e-004	1.0000e-005	8.3000e-004	2.2000e-004	0.0000	2.2000e-004	0.0000	0.6331	0.6331	2.0000e-005	0.0000	0.6335
Total	3.4000e-004	1.6300e-003	2.5600e-003	2.0000e-005	9.9000e-004	1.0000e-005	1.0000e-003	2.7000e-004	0.0000	2.7000e-004	0.0000	1.3403	1.3403	5.0000e-005	0.0000	1.3416

3.3 Site Preparation - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606
Total	0.0133	0.1376	0.0912	1.9000e-004	0.0903	6.3300e-003	0.0967	0.0497	5.8200e-003	0.0555	0.0000	16.7254	16.7254	5.4100e-003	0.0000	16.8606

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3.3 Site Preparation - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.5000e-004	2.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7598	0.7598	2.0000e-005	0.0000	0.7602
Total	3.6000e-004	2.5000e-004	2.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7598	0.7598	2.0000e-005	0.0000	0.7602

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					0.0407	0.0000	0.0407	0.0223	0.0000	0.0223	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0133	0.1376	0.0912	1.9000e-004		6.3300e-003	6.3300e-003		5.8200e-003	5.8200e-003	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606
Total	0.0133	0.1376	0.0912	1.9000e-004	0.0407	6.3300e-003	0.0470	0.0223	5.8200e-003	0.0282	0.0000	16.7253	16.7253	5.4100e-003	0.0000	16.8606

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3.3 Site Preparation - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.6000e-004	2.5000e-004	2.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7598	0.7598	2.0000e-005	0.0000	0.7602
Total	3.6000e-004	2.5000e-004	2.7000e-003	1.0000e-005	9.9000e-004	1.0000e-005	9.9000e-004	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.7598	0.7598	2.0000e-005	0.0000	0.7602

3.4 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0867	0.0000	0.0867	0.0360	0.0000	0.0360	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.3452	0.2805	6.2000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	54.5352	54.5352	0.0176	0.0000	54.9762
Total	0.0332	0.3452	0.2805	6.2000e-004	0.0867	0.0142	0.1010	0.0360	0.0131	0.0491	0.0000	54.5352	54.5352	0.0176	0.0000	54.9762

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3.4 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	5.6000e-004	5.9900e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2100e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6884	1.6884	4.0000e-005	0.0000	1.6894
Total	8.1000e-004	5.6000e-004	5.9900e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2100e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6884	1.6884	4.0000e-005	0.0000	1.6894

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					0.0390	0.0000	0.0390	0.0162	0.0000	0.0162	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0332	0.3452	0.2805	6.2000e-004		0.0142	0.0142		0.0131	0.0131	0.0000	54.5351	54.5351	0.0176	0.0000	54.9761
Total	0.0332	0.3452	0.2805	6.2000e-004	0.0390	0.0142	0.0533	0.0162	0.0131	0.0293	0.0000	54.5351	54.5351	0.0176	0.0000	54.9761

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3.4 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.1000e-004	5.6000e-004	5.9900e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2100e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6884	1.6884	4.0000e-005	0.0000	1.6894
Total	8.1000e-004	5.6000e-004	5.9900e-003	2.0000e-005	2.1900e-003	1.0000e-005	2.2100e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6884	1.6884	4.0000e-005	0.0000	1.6894

3.5 Building Construction - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1494	1.3666	1.5432	2.5600e-003		0.0665	0.0665		0.0626	0.0626	0.0000	220.2145	220.2145	0.0524	0.0000	221.5242
Total	0.1494	1.3666	1.5432	2.5600e-003		0.0665	0.0665		0.0626	0.0626	0.0000	220.2145	220.2145	0.0524	0.0000	221.5242

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3.5 Building Construction - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0126	0.4792	0.1067	1.7300e-003	0.0425	4.7000e-004	0.0430	0.0123	4.5000e-004	0.0127	0.0000	165.2301	165.2301	8.9600e-003	0.0000	165.4541
Worker	0.0701	0.0489	0.5207	1.6200e-003	0.1906	1.1700e-003	0.1918	0.0506	1.0800e-003	0.0517	0.0000	146.7606	146.7606	3.5600e-003	0.0000	146.8495
Total	0.0827	0.5281	0.6274	3.3500e-003	0.2331	1.6400e-003	0.2348	0.0629	1.5300e-003	0.0644	0.0000	311.9907	311.9907	0.0125	0.0000	312.3037

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	0.1494	1.3666	1.5432	2.5600e-003		0.0665	0.0665		0.0626	0.0626	0.0000	220.2143	220.2143	0.0524	0.0000	221.5239
Total	0.1494	1.3666	1.5432	2.5600e-003		0.0665	0.0665		0.0626	0.0626	0.0000	220.2143	220.2143	0.0524	0.0000	221.5239

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3.5 Building Construction - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0126	0.4792	0.1067	1.7300e-003	0.0425	4.7000e-004	0.0430	0.0123	4.5000e-004	0.0127	0.0000	165.2301	165.2301	8.9600e-003	0.0000	165.4541
Worker	0.0701	0.0489	0.5207	1.6200e-003	0.1906	1.1700e-003	0.1918	0.0506	1.0800e-003	0.0517	0.0000	146.7606	146.7606	3.5600e-003	0.0000	146.8495
Total	0.0827	0.5281	0.6274	3.3500e-003	0.2331	1.6400e-003	0.2348	0.0629	1.5300e-003	0.0644	0.0000	311.9907	311.9907	0.0125	0.0000	312.3037

3.6 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888
Paving	6.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0169	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0269	20.0269	6.4800e-003	0.0000	20.1888

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3.6 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2663	1.2663	3.0000e-005	0.0000	1.2670
Total	6.0000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2663	1.2663	3.0000e-005	0.0000	1.2670

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	0.0103	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888
Paving	6.5500e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0169	0.1019	0.1458	2.3000e-004		5.1000e-003	5.1000e-003		4.6900e-003	4.6900e-003	0.0000	20.0268	20.0268	6.4800e-003	0.0000	20.1888

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3.6 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2663	1.2663	3.0000e-005	0.0000	1.2670
Total	6.0000e-004	4.2000e-004	4.4900e-003	1.0000e-005	1.6400e-003	1.0000e-005	1.6500e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.2663	1.2663	3.0000e-005	0.0000	1.2670

3.7 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	0.0313	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785

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3.7 Architectural Coating - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.2000e-004	5.5400e-003	2.0000e-005	2.0300e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.5617	1.5617	4.0000e-005	0.0000	1.5627
Total	7.5000e-004	5.2000e-004	5.5400e-003	2.0000e-005	2.0300e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.5617	1.5617	4.0000e-005	0.0000	1.5627

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0303					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.6000e-004	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785
Total	0.0313	6.5100e-003	9.0600e-003	1.0000e-005		3.5000e-004	3.5000e-004		3.5000e-004	3.5000e-004	0.0000	1.2766	1.2766	8.0000e-005	0.0000	1.2785

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3.7 Architectural Coating - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.5000e-004	5.2000e-004	5.5400e-003	2.0000e-005	2.0300e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.5617	1.5617	4.0000e-005	0.0000	1.5627
Total	7.5000e-004	5.2000e-004	5.5400e-003	2.0000e-005	2.0300e-003	1.0000e-005	2.0400e-003	5.4000e-004	1.0000e-005	5.5000e-004	0.0000	1.5617	1.5617	4.0000e-005	0.0000	1.5627

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.3400	0.7510	3.4420	0.0109	0.8591	9.4900e-003	0.8686	0.2152	8.9400e-003	0.2242	0.0000	1,040.7899	1,040.7899	0.0641	0.0000	1,042.3926
Unmitigated	0.3400	0.7510	3.4420	0.0109	0.8591	9.4900e-003	0.8686	0.2152	8.9400e-003	0.2242	0.0000	1,040.7899	1,040.7899	0.0641	0.0000	1,042.3926

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	673.00	673.00	673.00	2,449,720	2,449,720
Parking Lot	0.00	0.00	0.00		
Total	673.00	673.00	673.00	2,449,720	2,449,720

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	10.00	8.40	6.90	100.00	0.00	0.00	100	0	0
Parking Lot	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
City Park	0.558745	0.035303	0.181800	0.111169	0.014289	0.004794	0.018611	0.065078	0.001365	0.001491	0.005725	0.000799	0.000830
Parking Lot	0.558745	0.035303	0.181800	0.111169	0.014289	0.004794	0.018611	0.065078	0.001365	0.001491	0.005725	0.000799	0.000830

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5.3 Energy by Land Use - Electricity

Unmitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76230	14.7680	9.3000e-004	1.0000e-004	14.8222
Total		14.7680	9.3000e-004	1.0000e-004	14.8222

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	76230	14.7680	9.3000e-004	1.0000e-004	14.8222
Total		14.7680	9.3000e-004	1.0000e-004	14.8222

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0192	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Unmitigated	0.0192	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-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	tons/yr										MT/yr					
Architectural Coating	3.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Total	0.0192	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0161					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004
Total	0.0192	0.0000	1.3000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	2.5000e-004	2.5000e-004	0.0000	0.0000	2.6000e-004

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	12.8223	8.1000e-004	9.0000e-005	12.8694
Unmitigated	12.8223	8.1000e-004	9.0000e-005	12.8694

7.2 Water by Land Use

Unmitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.95741	12.8223	8.1000e-004	9.0000e-005	12.8694
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		12.8223	8.1000e-004	9.0000e-005	12.8694

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7.2 Water by Land Use

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 5.95741	12.8223	8.1000e-004	9.0000e-005	12.8694
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		12.8223	8.1000e-004	9.0000e-005	12.8694

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0873	5.1600e-003	0.0000	0.2163
Unmitigated	0.0873	5.1600e-003	0.0000	0.2163

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8.2 Waste by Land Use

Unmitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-003	0.0000	0.2163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0873	5.1600e-003	0.0000	0.2163

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.43	0.0873	5.1600e-003	0.0000	0.2163
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		0.0873	5.1600e-003	0.0000	0.2163

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
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

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

User Defined Equipment

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

11.0 Vegetation

General Biological Resources Assessment

Memorial Park Upgrades/Improvements Project
Upland, San Bernardino County, California



Prepared for:
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Development Services Director
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- Appendix B Special-Status Plant Species with Potential to Occur on the Project Site
- Appendix C Special-Status Animal Species with Potential to Occur on the Project Site

List of Abbreviated Terms

AMSL	Above Mean Sea Level
APN	Assessor Parcel Number
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CESA	California Endangered Species Act
CFGC	California Fish and Game Code
CFR	Code of Federal Regulations
CNDDDB	California Natural Diversity Database
CNPS	California Native Plant Society
CWA	Clean Water Act
DBH	Diameter at Breast Height
EPA	Environmental Protection Agency
FESA	Federal Endangered Species Act
GIS	Geographic Information Systems
HCP	Habitat Conservation Plan
IPaC	Information for Planning and Consultation
MBTA	Migratory Bird Treaty Act
NCCP	Natural Community Conservation Planning
NOAA	National Oceanic Atmospheric Administration
NPPA	Native Plant Protection Act
NRCS	Natural Resource Conservation Service
RWQCB	Regional Water Quality Control Board
SWPPP	Stormwater Pollution Prevention Plan
SWRCB	State Water Resources Control Board
USACE	United States Army Corps Engineers
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey

1.0 INTRODUCTION

This report presents the results of MIG's general biological resources assessment of the approximately 38-acre Memorial Park Upgrades/Improvements Project site (Project Site). The purpose of this report is to verify the type, location, and extent of potential sensitive biological resources within the Project Site and vicinity. This report provides a thorough description of the biological setting of the Project Site and surrounding area, as well as a description of the vegetation communities and wildlife observed at the Project Site. This report also includes information regarding potential movement/migration corridors, potential special-status species, sensitive natural communities, and potential for jurisdictional waters and wetlands to occur at the Project Site. An assessment of the Project impacts and recommended mitigation measures to avoid, minimize, or compensate for potential adverse impacts to sensitive habitats and species is also included in the report. The evaluation of potential project impacts follows the checklist items from Appendix G of the California Environmental Quality Act (CEQA) guidelines and has been prepared in a format suitable to support CEQA review and to submit with any future regulatory application packages that might be required.

1.1 Project Location

The on 38-acre Project Site is located at Foothill Boulevard between Campus and Grove Avenue in the City of Upland, San Bernardino County, California, within the United States Geological Survey (USGS) 7.5' series Ontario South Quadrangle (Figure 1, *Regional Map*, Figure 2, *USGS Topographic Map*). The Project Site includes Assessor Parcel Numbers (APNs) 104-612-101, 104-612-103, 104-613-103, 104-613-110, 104-613-111, and 104-618-301 (Figure 3, *Project Site Map*). Parcel number 104-618-302 is owned by Cox Communications and is the location of a cellular communications tower that is not planned for alterations under the project. The Project Site is located approximately 1.5 miles north of Interstate (I)-10 and 5.6 miles west of I-15. The Project Site is located in the Land Grant, Civil Colony of Cucamonga – meaning this land has been in private ownership since before California joined the U.S. and is, therefore, not part of the township and range system. The Project Site is flat with elevations ranging between 1,250-3,025 feet above mean sea level (AMSL) (Figure 2, *USGS Topographic Map*).

The Project Site is largely surrounded by a mix of land use types: to the north and east a variety of commercial businesses, to the west is a single-family residence community, and to the south and south east is a hospital. The Project Site consists of an active park with many amenities (including baseball fields, basketball courts, barbecues, picnic tables, a shelter area with a covered kitchen, playground equipment, restrooms, a stage/amphitheater, and a rose garden), as well as a number of specialized amenities (including Tiny Tots Community Building, Upland Animal Shelter, Upland Memorial Skate Park). Additionally, large mature trees are located throughout the park, which provide ample shade for the park.

1.2 Project Description

The proposed project includes improvements and upgrades to the existing Memorial Park site and consists of:

- A new children's adventure playground (equipment for separate age groups 2-5 years old and 5-12 years old) and will be handicapped accessible. The playground is proposed to be located within the central northern portion of the site and in addition to the playground equipment, the area will also contain parent seating area with shade trellis. The existing memorial cannon and flag court will also be restored;

- New parking area located along the northern portion of the site and will consist of permeable paving at stalls, preservation and restoration of the oak lined “bridle path”, and drought tolerant pollinator’s garden using native plants;
- The existing rose garden, which is located in the northern portion of the site, will be upgraded to include a new centralized gazebo shade structure with multiple picnic tables/trash receptacles in addition to incorporating additional bench seating areas and concrete accessible walkways to the gazebo;
- A new central greenbelt and outdoor amphitheater, located in the central portion of the site, and will consist of a decomposed granite oak woodland trail and preservation and restoration of the oak lined “bridle path” both trails circulate throughout the perimeter of the site;
- A new splash pad water play area (separate equipment for toddlers and pre-teen/teens) which will be located in the southwestern portion of the site, directly north of the existing southerly ballfield. The splash pad will have a new restroom building with required facilities, parent picnic table seating areas, colorful shade sails over splash pad zone, and the adjacent parking area will be reconfigured to provide for ADA accessibility;
- A new open turf grass play area, which will involve the removal of existing asphalt parking lot (approximately 1.25-acres) and conversion to open recreational play area in addition to multiple new picnic areas and informal turf grass bermed area. The proposed grass turf area will be located in the western portion of the site, directly south of the existing YMCA building;
- The renovation of the Atwood Kitchen Group Picnic Area, located directly to the south of the new open turf grass play area; and the renovations will consist of new table seating, flexible court gaming area (horseshoe pits, cornhole, ping pong, hammock poles), and a lockable Santa Maria Barbeque Pit;
- A new basketball court play area, located in the southeastern portion of the site; and will consist of new multiple basketball half courts, new bench seating area around the existing pine trees, and new parking spaces;
- New expanded parking area along the east side of the park and consists of underground existing drainage channel, new parking shade tree diamond planters, and new parking with permeable paving and bioswale;
- Multiple picnic areas distributed throughout the project site with trash receptacles;
- A new drought tolerant native plant garden at the animal shelter and Landcena Community Center with new plant garden and modified drip irrigation and educational interpretive panels at key locations
- Improve the existing skate park, located in the southern portion of the site, with new expansion area for varied levels of experience. The skate park will consist of an expanded fenced perimeter and controlled access, a spectator overlook areas and large connected shade structures, and the opportunity for artwork display and/or educational panels on history of skating in Upland;
- The expansion of the Landcena building for multi-use recreational facility, located in the southeastern portion of the site, and the expansion will consist of a teen center/community recreation room and the expansion of the adjacent parking lot;
- A new bioswale and bio-retention zone(s) for storm water collection and infiltration and will be located in the southwestern portion of the site;

- Renovation of the restroom facilities to modernize to meet ADA accessibility, repair or replace toilets, lavatories, and hand dryers as needed. The existing restrooms will be coated with anti-graffiti coating;
- New group shade structures adjacent to the Landcena Community Center and will consist of multiple picnic tables and trash receptacles, pinata poles, and ADA compliant drinking fountains;
- New permeable parking at the existing southerly ballfield and will also consist of the preservation of existing oaks, new shade canopies for bleachers, and a new bioswale infiltration zone;
- The restoration of the oak-lined "bridle path" which will consist of the controlled vehicle access gates, vertical mulching for existing oaks, removal of parking and asphalt, preservation and new oak tree planting, and the permeable "bridle path" for community events, staging and EVA access;
- The incorporation of a new decomposed granite exercise trail system and connection paths, which will be approximately two miles of new pathways with benches, and two main looped exercise trails (oak woodland and site perimeter);
- The restoration of open turf play area with new picnic zones directly to the west of the Upland Animal Shelter and will preserve the existing trees and update the existing irrigation system;
- A new outdoor fitness court "outdoor gym", located in the northeastern portion of the site and will contain multi-age fitness programs, shock resistant flooring surface, and the opportunity for civic art display;
- The demolition and construction of the tiny tots building, located south of the YMCA building; and,
- The Parkwide improvements will also include new LED lighting and security cameras and new drought tolerant landscaping and irrigation.

2.0 REGULATORY SETTING

The following discussion identifies federal, state, and local environmental regulations that serve to protect sensitive biological resources relevant to the proposed Project Site and CEQA review process.

2.1 Federal

2.1.1 Federal Endangered Species Act

The Federal Endangered Species Act (FESA) of 1973, as amended, provides the regulatory framework for the protection of plant and animal species (and their associated critical habitats), which are formally listed, proposed for listing, or candidates for listing as endangered or threatened under the FESA. Both the U.S. Fish and Wildlife Service (USFWS) and National Oceanic and Atmospheric Administration's National Marine Fisheries Service (NOAA Fisheries) share the responsibility for administration of the FESA. The FESA has the following four major components: (1) provisions for listing species, (2) requirements for consultation with the USFWS and/or the NOAA Fisheries, (3) prohibitions against "taking" (meaning harassing, harming, hunting, shooting, wounding, killing, trapping, capturing, or collecting, or attempting to engage in any such conduct) of listed species, and (4) provisions for permits that allow incidental "take". The FESA also discusses recovery plans and the designation of critical habitat for listed species. Section 7 requires Federal agencies, in consultation with, and with the assistance of the USFWS or NOAA Fisheries, as appropriate, to ensure that actions they authorize, fund, or carry out are not likely to jeopardize the continued existence of threatened or endangered species or result in the destruction or adverse modification of critical habitat for these species. Non-federal agencies and private entities can seek authorization for take of federally listed species under Section 10 of FESA, which requires the preparation of a Habitat Conservation Plan.

2.1.2 The Migratory Bird Treaty Act

The Federal Migratory Bird Treaty Act (MBTA) (16 U.S.C. 703 et seq.), Title 50 Code of Federal Regulations (CFR) Part 10, prohibits taking, killing, possessing, transporting, and importing of migratory birds, parts of migratory birds, and their eggs and nests, except when specifically authorized by the Department of the Interior. As used in the act, the term "take" is defined as meaning, "to pursue, hunt, capture, collect, kill or attempt to pursue, hunt, shoot, capture, collect or kill, unless the context otherwise requires." Previously, under MBTA it was illegal to disturb a nest that is in active use, since this could result in killing a bird, destroying a nest, or destroying an egg. In 2017, the USFWS issued a memorandum stating that the MBTA does not prohibit incidental take; therefore, the MBTA is currently limited to purposeful actions, such as hunting and poaching.

2.1.3 Clean Water Act Sections 404 and 401

The U.S. Army Corps of Engineers (USACE) and the U.S. Environmental Protection Agency (EPA) regulate the discharge of dredged or fill material into waters of the United States, including wetlands, under Section 404 of the Clean Water Act (CWA) (33 USC 1344). Waters of the United States are defined in Title 33 CFR Part 328.3(a) and include a range of wet environments such as lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds. The lateral limits of jurisdiction in those waters may be divided into three categories – territorial seas, tidal waters, and non-tidal waters – and is determined depending on which type of waters is present (Title 33 CFR Part 328.4(a), (b), (c)). Activities in waters of the United States regulated under Section 404 include fill for development, water resource projects (e.g., dams and levees), infrastructure developments (e.g.,

highways, rail lines, and airports) and mining projects. Section 404 of the CWA requires a federal permit before dredged or fill material may be discharged into waters of the United States, unless the activity is exempt from Section 404 regulation (e.g., certain farming and forestry activities).

Section 401 of the CWA (33 U.S.C. 1341) requires an applicant for a federal license or permit to conduct any activity that may result in a discharge of a pollutant into waters of the United States to obtain a water quality certification from the state in which the discharge originates. The discharge is required to comply with the applicable water quality standards. A certification obtained for the construction of any facility must also pertain to the subsequent operation of the facility. The EPA has delegated responsibility for the protection of water quality in California to State Water Resources Control Board and its nine Regional Water Quality Control Boards (RWQCBs).

2.1.4 National Pollutant Discharge Elimination System (NPDES)

The NPDES program requires permitting for activities that discharge pollutants into waters of the United States. This includes discharges from municipal, industrial, and construction sources. These are considered point-sources from a regulatory standpoint. Generally, these permits are issued and monitored under the oversight of the State Water Resources Control Board and administered by each RWQCB. Construction activities that disturb one acre or more (whether a single project or part of a larger development) are required to obtain coverage under the state's General Permit for Dischargers of Storm Water Associated with Construction Activity. All dischargers are required to obtain coverage under the Construction General Permit. The activities covered under the Construction General Permit include clearing, grading, and other disturbances. The permit requires preparation of a Storm Water Pollution Prevention Plan (SWPPP) and implementation of Best Management Practices (BMPs) with a monitoring program. The Project will require coverage under the Construction General Permit.

2.2 State

2.2.1 California Endangered Species Act

The State of California enacted similar laws to the FESA, including the California Native Plant Protection Act (NPPA) in 1977 and the California Endangered Species Act (CESA) in 1984. The CESA expanded upon the original NPPA and enhanced legal protection for plants, but the NPPA remains part of the California Fish and Game Code (CFG) (section 2.2.2). To align with the FESA, CESA created the categories of "threatened" and "endangered" species. It converted all "rare" animals into the CESA as threatened species but did not do so for rare plants. Thus, these laws provide the legal framework for protection of California-listed rare, threatened, and endangered plant and animal species. The California Department of Fish and Wildlife (CDFW) implements NPPA and CESA, and its Wildlife and Habitat Data Analysis Branch maintains the California Natural Diversity Database (CNDDB), a computerized inventory of information on the general location and status of California's rarest plants, animals, and natural communities. During the CEQA review process, the CDFW is given the opportunity to comment on the potential of the proposed Project to affect listed plants and animals.

2.2.2 Native Plant Protection Act

The NPPA of 1977 (CFG, §§ 1900 through 1913) directed the CDFW to carry out the Legislature's intent to "preserve, protect and enhance rare and endangered plants in this State." The NPPA is administered by the CDFW, which has the authority to designate native plants as endangered or rare and to protect them from "take."

2.2.3 California Environmental Quality Act

CEQA was enacted in 1970 to provide for full disclosure of environmental impacts to the public before issuance of a permit by state and local public agencies. CEQA (Public Resources Code Sections 21000 et. seq.) requires public agencies to review activities which may affect the quality of the environment so that consideration is given to preventing damage to the environment. When a lead agency issues a permit for development that could affect the environment, it must disclose the potential environmental effects of the project. This is done with an Initial Study and Negative Declaration (or Mitigated Negative Declaration) or with an Environmental Impact Report. Certain classes of projects are exempt from detailed analysis under CEQA. CEQA Guidelines Section 15380 defines endangered, threatened, and rare species for purposes of CEQA and clarifies that CEQA review extends to other species that are not formally listed under the CESA or FESA but that meet specified criteria.

2.2.4 Fully Protected Species and Species of Special Concern

The classification of “fully protected” was the CDFW’s initial effort to identify and provide additional protection to those animals that were rare or faced possible extinction. Lists were created for fish, amphibian and reptiles, birds, and mammals. Most of the species on these lists have subsequently been listed under CESA and/or FESA. The California Fish and Game Code (CFGC) sections (fish at §5515, amphibian and reptiles at §5050, birds at §3511, and mammals at §4700) dealing with “fully protected” species states that these species “...may not be taken or possessed at any time and no provision of this code or any other law shall be construed to authorize the issuance of permits or licenses to take any fully protected species,” (CDFW Fish and Game Commission 1998) although take may be authorized for necessary scientific research. This language makes the “fully protected” designation the strongest and most restrictive regarding the “take” of these species. In 2003, the code sections dealing with fully protected species were amended to allow the CDFW to authorize take resulting from recovery activities for state-listed species.

Species of special concern are broadly defined as animals not listed under the FESA or CESA, but which are nonetheless of concern to the CDFW because they are declining at a rate that could result in listing or historically occurred in low numbers and known threats to their persistence currently exist. This designation is intended to result in special consideration for these animals by the CDFW, land managers, consulting biologist, and others, and is intended to focus attention on the species to help avert the need for costly listing under FESA and CESA and cumbersome recovery efforts that might ultimately be required. This designation also is intended to stimulate collection of additional information on the biology, distribution, and status of poorly known at-risk species, and focus research and management attention on them. Although these species generally have no special legal status, they are given special consideration under the CEQA during project review.

2.2.5 California Fish and Wildlife Code Sections 3503 and 3513

According to Section 3503 of the California Fish and Wildlife Code, it is unlawful to take, possess, or needlessly destroy the nest or eggs of any bird. Section 3503.5 specifically protects birds in the orders Falconiformes and Strigiformes (birds-of-prey). Section 3513 prohibits the take or possession of any migratory non-game bird. Disturbance that causes nest abandonment and/or loss of reproductive effort is considered “take” by the CDFW.

2.2.6 Other Sensitive Plants – California Native Plant Society

The California Native Plant Society (CNPS), a non-profit plant conservation organization, publishes and maintains an Inventory of Rare and Endangered Vascular Plants of California in both hard copy and electronic version (<http://www.cnps.org/cnps/rareplants/inventory/>).

The Inventory assigns plants to the following categories:

- 1A Presumed extinct in California;
- 1B Rare, threatened, or endangered in California and elsewhere;
- 2 Rare, threatened, or endangered in California, but more common elsewhere;
- 3 Plants for which more information is needed – A review list; and
- 4 Plants of limited distribution – A watch list.

Additional endangerment codes are assigned to each taxon as follows:

- 1 Seriously endangered in California (over 80% of occurrences threatened/high degree of immediacy of threat).
- 2 Fairly endangered in California (20-80% occurrences threatened).
- 3 Not very endangered in California (<20% of occurrences threatened or no current threats known).

Plants on Lists 1A, 1B, and 2 of the CNPS Inventory consist of plants that may qualify for listing, and the CDFW, as well as other state agencies (e.g., California Department of Forestry and Fire Protection). As part of the CEQA process, such species should be fully considered, as they meet the definition of threatened or endangered under the NPPA and Sections 2062 and 2067 of the CFGC. California Rare Plant Rank 3 and 4 species are considered to be plants about which more information is needed or are uncommon enough that their status should be regularly monitored. Such plants may be eligible or may become eligible for state listing, and CNPS and CDFW recommend that these species be evaluated for consideration during the preparation of CEQA documents (CNPS 2018, CDFW 2018b).

2.2.7 California Fish and Game Code Section 1600-1603

Streams, lakes, and riparian vegetation, as habitat for fish and other wildlife species, are subject to jurisdiction by the CDFW under Sections 1600-1616 of the CFGC. Any activity that will do one or more of the following: (1) substantially obstruct or divert the natural flow of a river, stream, or lake; (2) substantially change or use any material from the bed, channel, or bank of a river, stream, or lake; or (3) deposit or dispose of debris, waste, or other material containing crumbled, flaked, or ground pavement where it can pass into a river, stream, or lake generally require a 1602 Lake and Streambed Alteration Agreement. The term “stream”, which includes creeks and rivers, is defined in the California Code of Regulations (“CCR”) as follows: “a body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life”. This includes watercourses having a surface or subsurface flow that supports or has supported riparian vegetation” (14 CCR 1.72). In addition, the term stream can include ephemeral streams, dry washes, watercourses with subsurface flows, canals, aqueducts, irrigation ditches, and other means of water conveyance if they support aquatic life, riparian vegetation, or stream-dependent terrestrial wildlife (CDFW 1994). Riparian vegetation is defined as, “vegetation which occurs in and/or adjacent to a stream and is dependent on, and occurs because of, the stream itself” (CDFW 1994). In addition to impacts

to jurisdictional streambeds, removal of riparian vegetation also requires a Section 1602 Lake and Streambed Alteration Agreement from the CDFW.

2.2.8 Sensitive Natural Communities

Sensitive natural communities are habitats that are either unique in constituent components, of relatively limited distribution in the region, or of particularly high wildlife value. These communities may or may not necessarily contain special-status species. Sensitive natural communities are usually identified in local or regional plans, policies or regulations, or by the CDFW or the USFWS. The CNDDDB identifies a number of natural communities as rare, which are given the highest inventory priority (CDFW 2018a). Impacts to sensitive natural communities and habitats must be considered and evaluated under the CEQA (CCR: Title 14, Div. 6, Chap. 3, Appendix G).

2.3 Local

2.3.1 City of Upland General Plan

The City of Upland General Plan Open Space (2012) contains an Open Space and Conservation Element. The Open Space and Conservation Element strives to provide “increased health and quality of life for citizens of Upland as well as environmental sustainability through conservation of open space and natural resources, and encouraging greenhouse gas reductions and alternatives to the use of non-renewable resources. The Goals and Policies in this element are intended to maintain, improve, or preserve the quality and supply of the City’s natural resources and open spaces and are as follows

Goal OSC-1 Upland’s natural resources such as open space, wildlife and vegetation, are protected and enjoyed as limited and valuable resources and integral parts of a sustainable environment.

Policies:

Policy OSC-1.1 Resource Preservation. Preserve open space and habitat areas by promoting conservation and preservation easements that protect habitat areas, habitat corridors, and sensitive biological resources.

Policy OSC-1.2 Open Space Corridors. Focus on areas that are adjacent to larger open space areas and corridors as the first priority in siting preservation areas.

Policy OSC-1.3 Joint Use. Work with property owners and regional agencies to allow safe, joint use of open space areas that are used for other purposes such as flood control, groundwater recharge, utility corridors, and mining for passive recreational activities such as trails or view spots.

Policy OSC-1.4 Regulatory Protection. Ensure that new development meets all federal, State, and regional regulations for habitat and species protection.

Policy OSC-1.5 New Development. Encourage new development to preserve on-site natural elements and incorporate low impact development techniques.

Policy OSC-1.6 Public Education. Support educational programs for residents and visitors about the uniqueness and value of the natural resources, plants, and wildlife in the region, and how to manage development to preserve wildlife populations.

Policy OSC-1.7 Dark Sky Protection. Promote shielded, dark-sky friendly lighting for Upland's outdoor lighting needs in order to reduce light pollution and glare; increase energy efficiency; protect wildlife; and promote better health.

Goal OSC-2 Upland's urban forest and rich landscaping tradition is managed and enjoyed as a valuable resource that imparts a character to the community.

Policies:

Policy OSC-2.1 Street Tree Canopy. Maintain the City's tree-lined streets as an integral component of the City's character by replacing parkway and median trees in conjunction with public and private projects.

Policy OSC-2.2 Streetscapes. Maintain the City's landscaped parkways and medians as aesthetic buffers that improve the appearance of the community.

Policy OSC-2.3 California-Friendly Species. Encourage new and existing public and private development to incorporate California-friendly and drought-tolerant vegetation into landscape plans to reduce water demand. City of Upland General Plan Page OSC-3

Policy OSC-2.4 Invasive Species. Prohibit the use of plant species known to be invasive according to the California Invasive Plant Inventory. Introduction or spread of invasive plant species during construction of development projects shall be avoided by minimizing surface disturbance; seeding and mulching disturbed areas with certified weed-free native mixes; and using California-friendly, noninvasive species in erosion control plantings.

Policy OSC-2.5 Shade Trees. Prioritize the planting of large street tree species (greater to or equal to 50 feet in height) over smaller species to facilitate a larger canopy of trees that will serve to reduce the heat island effect, lower energy costs, sequester carbon dioxide in the atmosphere, reduce stormwater runoff, and increase water retention and water quality.

Policy OSC-2.6 Tree Preservation. Promote the preservation of Upland's large mature trees that occupy both public and private property through the preparation of a Tree Preservation Ordinance. Include the identification and protection of landmark trees, meaning trees of historic or cultural significance.

2.3.1 City of Upland Municipal Code

The City of Upland Municipal Code contains codification for the identification and protection of Landmark and Heritage Trees (including maintaining a register), maintenance of Street Trees, and removal and replacement of Street Trees (Municipal Code § 12.26.000 *et seq.*, Ord. 1913 § 3, 2016). The city also has a municipal code for a Street Tree Advisory Committee to advise the citizens and city council of Upland on best policies for street tree care and urban forest management. The municipal code also specifies that administrative fines may be administered, and any officer or representative of the city manager may issue such administrative citations.

3.0 METHODS

This analysis of potential biological resources located on the Project Site includes a review of available background information in and around the vicinity of the Project Site and completion of a field survey.

3.1 Literature Review

Prior to conducting field surveys, MIG biologists reviewed available background information pertaining to the biological resources on and in the vicinity of the project. Available literature and resource mapping reviewed included the occurrence records for special-status species and sensitive natural communities and numerous other information sources listed below:

- CNDDDB record search for State and Federally Listed Endangered, Threatened, and Wildlife and Rare Plants of California within the Ontario and surrounding eight USGS quadrangles: Glendora, Mt. Baldy, San Dimas, Cucamonga Peak, Guasti, Yorba Linda, Prado Dam, and Corona North (CDFW CNDDDB 2021; Appendix A)
- CNPS Rare Plant Program, Inventory of Rare and Endangered Plants of California (CNPS 2021) records search within the Ontario and surrounding eight USGS quadrangles (Appendix A)
- USFWS Information for Planning and Consultation (IPaC; USFWS 2021a; Appendix A)
- Soil Survey Staff, Natural Resource Conservation Service (NRCS), United States Department of Agricultural (USDA NRCS 2021)
- CDFW California Natural Community List (CDFW 2020)
- USFWS National Wetlands Inventory (USFWS 2021b)

3.2 Field Surveys

A biological field survey was conducted by MIG biologist Elizabeth Kempton, PhD, on April 15, 2021. The field survey was conducted on foot to assess the existing conditions of the Project Site, including recording observed plant and wildlife species, characterizing and delineating the vegetation communities and associated wildlife habitats, and evaluating the potential for these habitats to support special-status species and sensitive communities.

3.2.1 Plant Communities

During the field survey, the MIG biologist traversed the entire Project Site by foot and evaluated the suitability of on-site vegetation communities to support special-status species. An attempt was made to classify plant communities according to the Second Edition of the Manual of California Vegetation (Sawyer et al. 2009) classification system, as this method is preferred (but not required) by CDFW. However, for certain vegetation types, this system is too species-specific in its definitions of plant associations and alliances and does not accurately characterize the highly variable species composition of plant communities. For this Project Site, it was necessary to identify variants of plant community types for ruderal and ornamental plant assemblages and unvegetated areas that are not described in the literature. The List of California Natural and Terrestrial Communities (CDFW 2020) was consulted to determine if any rare or sensitive plant communities are present. In addition, plant communities were evaluated to determine if they are considered sensitive under federal and/or other state regulations and local policies. Plant communities within the Project Site were mapped in the field onto a color aerial photograph and digitized into ArcView Geographic Information System (GIS) shapefiles.

3.2.2 Jurisdictional Habitats and Aquatic Features

The Project Site was inspected to determine if any wetlands and “other waters” or streambeds potentially subject to jurisdiction by the USACE, RWQCB, or CDFW were present. MIG certified wetland delineator Elizabeth Kempton, PhD, conducted a jurisdictional delineation of the approximately 30-acre Project Site on April 15, 2021. The area was surveyed for a potential jurisdictional areas following the criteria identified USACE’s 1987 Wetland Delineation Manual (Environmental Laboratory 1987) in conjunction with the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Arid West Supplement) (USACE 2008a) and A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States (USACE 2008b). Wetland vegetation, hydric soils, and hydrology information were collected according the USACE’s routine methodology to determine if wetlands were present. The Project Site was also inspected for the presence of drainages, streams, and other aquatic features, including those that support stream-dependent (i.e., riparian) plant species that may be considered jurisdictional by CDFW. Evaluation of CDFW jurisdiction followed guidance in the California Fish and Game Code and standard field practices by CDFW personnel.

3.2.3 Special-Status Species Habitat Assessment

The potential occurrence of special-status plant and animal species on the Project Site was initially evaluated by conducting a 9-quadrangle database records search¹ of CNDDDB, CNPS Electronic Inventory, and the USFWS IPaC database (Appendix A) to ensure a complete list of species was generated for the habitat assessment (see Appendices B and C). Following the records search, a refined list of special-status species was developed based on the general suitability of habitat types. The potential for occurrence of those species included on the refined list were then evaluated based on the habitat requirements of each species relative to the conditions observed during the field survey conducted by MIG biologists. Plant species that have been documented to occur well outside of the elevation and geographic range of the Project Site were eliminated from further consideration. Each species was evaluated for its potential to occur on or in the immediate vicinity of the Project Site according to the following criteria.

Not Expected. There is no suitable habitat present on the Project Site (i.e., habitats on the Project Site are clearly unsuitable for the species requirements [e.g., foraging, breeding, cover, substrate, elevation, hydrology, plant community, disturbance regime]). Additionally, there are no recent known records of occurrence in the vicinity of the Project Site. The species has no potential of being found on the Project Site.

Low Potential. Limited suitable habitat is present on the Project Site (i.e., few of the habitat components meeting the species requirements are present and/or the majority of habitat on the Project Site is unsuitable or of very low quality). Additionally, there are no or few recent known records of occurrence in the vicinity of the Project Site. The species has a low probability of being found on the Project Site.

Moderate Potential. Suitable habitat is present on the Project Site (i.e., some of the habitat components meeting the species requirements are present and/or the majority of the habitat on the Project Site is suitable or of marginal quality). Additionally, there are few or many recent known

¹ A 9-quadrangle search is conducted using a U.S. Geological Survey 7.5-minute topographic quadrangle map. The search includes the quadrangle where the project is located and the eight surrounding quadrangles.

records of occurrences in the vicinity of the Project Site. The species has a moderate probability of being found on the Project Site.

High Potential. Highly suitable habitat is present on the Project Site (i.e., all habitat components meeting the species requirements are present and/or all of the habitat on the Project Site is highly suitable or of high quality). Additionally, there are few or many recent known records of occurrences in the vicinity of the Project Site. This species has a high probability of being found on the Project Site.

Present. Species was observed on the Project Site (i.e., species was either observed during recent surveys or has a recorded observation in the CNDDDB on the Project Site).

Appendices B and C present the list of special-status plants and animals (respectively) that have the potential to occur in the vicinity of the Project Site, their habitat requirements, and a ranking of potential for occurrence on the Project Site. Nomenclature used for plant names follows the Second Edition of The Jepson Manual (Baldwin et al. 2012). Nomenclature for wildlife follows CDFW's Complete List of Amphibian, Reptile, Bird, And Mammal Species in California (CDFW 2016) and any changes made to species nomenclature as published in scientific journals since the publication of CDFW's list.

4.0 EXISTING CONDITIONS

The following provides a description of the soils, vegetation communities, wildlife, and wildlife movement corridors present on the Project Site.

4.1 Physical Characteristics

The Project Site occurs within the United States Geological Survey (USGS) 7.5' series Ontario Quadrangle. The Project Site is flat with elevations ranging between 1,250-3,025 feet AMSL (Figure 2, *USGS Topographic Map*). The Project Site is located in an urban setting and consists of an active park with many amenities. The park is landscaped primarily with ornamental grasses and shrubs; however, the park does possess a number of mature trees that may provide shade cooling for visitors as well as roosting areas for birds.

4.2 Soils

The Web Soil Survey reports the one soil unit within the boundary of the 38-acre Project Site (USDA NRCS 2021):

- SoC Soboba gravelly loamy sand, 0 to 9 percent slopes (30 ac)
- SpC Soboba stony loamy sand, 2 to 9 percent slopes (8 ac)

The “Soboba gravelly loamy sand, 0 to 9 percent slopes” map unit comprises approximately 78.9% of the project site while the “Soboba stony loamy sand, 2 to 9 percent slopes” map unit comprises approximately 21.1% of the project site (Figure 4). Both soil types are generally found on alluvial fans that are formed from granite substrates. Both of these soil types are rarely flooded and typically not naturally ponded. These two types differ from one another due to the differences in slope for each formation, as well as the particle sizes (gravelly loamy versus stony loamy). Neither of the soil types identified in the search are considered hydric soils.

Conditions present on at the project site were consistent with those reported by the Web Soil Survey (USDA NRCS 2021) with the exception that the soils had marked disturbance from previous farming activities.

4.3 Plant Communities & Associated Wildlife Habitats

As described in Section 3 (Methods), plant communities on-site were mapped in the field onto a color aerial photograph (See Figure 5, *Vegetation Communities and Land Cover Types Map*) and were evaluated to determine if they are considered sensitive under federal, state, or local regulations or policies. Biological communities were classified as sensitive or non-sensitive as defined by CEQA and other applicable laws and regulations.

The majority of the 38-acre Project Site is located within an urban area that is characterized by a park with fields, buildings, structures, and ornamental plantings. The landcover type observed during the April 15, 2021 field survey is described in more detail below.

Disturbed and/or Developed (38 acres)

The entire project site has been altered from a natural state for the existing park, and as such, all the landcover at the project site can be classified as Disturbed and/or Developed. The project site consists of several developed playgrounds, fields, structures that support park recreational activities, planted ornamental trees, and landscaping. Most of the vegetation present on the site is non-native, consisting of ornamental grasses and non-native herbs. There are a large number of planted mature oaks (*Quercus* spp., incl. *Q. agrifolia* and *Q. suber*), sycamores (*Platanus* sp.), sweetgums (*Liquidambar* sp.), and magnolias (*Magnolia* sp.). Figure 5, *Vegetation Communities and Land Cover Types* and Figure 7, *Current Project Site Photographs* provides a map and photographs, respectively, representing the vegetation at the existing Memorial Park site.

4.4 Wildlife

Wildlife species that were observed on the Project Site during the April 15, 2021 biological field survey include American crow (*Corvus brachyrhynchos*), American robin (*Turdus migratorius*), Anna's hummingbird (*Calypte anna*), black phoebe (*Sayornis nigricans*), squirrels (*Sciurus* spp.), common raven (*Corvus corax*), cotton tail rabbit (*Sylvilagus* sp.), house finch (*Haemorhous mexicanus*), European starling (*Sturnus vulgaris*), house sparrow (*Passer domesticus*), mourning dove (*Zenaidura macroura*), northern mockingbird (*Mimus polyglottus*), rock pigeon (*Columba livia*), song sparrow (*Melospiza melodia*), and western fence lizard (*Sceloporus occidentalis*).

4.5 Sensitive Plant Communities

No sensitive plant communities were observed on the Project Site, as they did not exhibit the characteristic attributes of these communities, such as the known distribution and elevation, landscape position, plant species composition, soil and/or substrate type, water chemistry, and/or hydroperiod. Sensitive Plant Communities with Potential to Occur are outlined at the end of Appendix B. In addition, no USFWS-designated critical habitat areas for any federally listed animals are present.

4.6 Special-Status Plants

Special-status plants are defined here to include: (1) plants that are federal- or state-listed as rare, threatened or endangered, (2) federal and state candidates for listing, (3) plants assigned a Rank of 1 through 4 by the CNPS Inventory, and (4) plants that qualify under the definition of "rare" in the California Environmental Quality Act, section 15380. Based on the desktop review, the Project Site was initially determined to provide potentially suitable habitat for a total of 45 special-status plant species based on the proximity of the project to previously recorded occurrences in the region, vegetation types and habitat quality, topography, elevation, soil types, and other species-specific habitat requirements (CDFW CNDDDB 2021). Based on results of the habitat suitability analysis and focused late season survey conducted on April 15, 2021, none of the 45 species are expected to occur on the Project Site (i.e., all species' potential for occurrence is ranked as "Not Expected"). A table presenting the special-status plant species considered and evaluated for their potential occurrence on the Project Site, including plant species' habitat requirements and reported blooming periods, is provided in Appendix B.

4.7 Special-Status Wildlife

Special-status wildlife species include those species listed as endangered or threatened under the FESA or CESA; candidates for listing by the USFWS or CDFW; and species of special concern to the CDFW; and birds protected by the CDFW under CFGC Sections 3503 and 3513. It was initially determined that 58 special-status wildlife species have been recorded in the vicinity of the Project Site (CDFW CNDDDB 2021). Of these animal species, all 58 are not expected to occur on the Project Site (i.e., species ranked as “Not Expected”). Reasons include the absence of essential habitat requirements for the species, the distance to known occurrences and/or the species distributional range, the limited availability of foraging and nesting habitat, amount of site disturbance from past and present land uses, and/or the proximity of existing human-related disturbances. A table presenting the special-status wildlife species considered and evaluated for their potential occurrence on the Project Site, including species-specific habitat requirements, is provided in Appendix C.

Nesting Birds

Nesting birds are protected under CFGC 3503, 3503.5, and 3512, which prohibits the take of active bird nests. Ruderal vegetation and ornamental trees within the Project Site provide marginally suitable nesting habitat for songbirds, including common species protected by the code. There is potential for ground- and tree-nesting birds to establish nests on the Project Site prior to initiation of project construction.

No other special status wildlife species are expected to be impacted by project construction due to a lack of suitable habitat (see Appendix C) and high degree of site disturbance due to existing development within and surrounding the Project Site.

4.8 Wildlife Movement Corridors

Providing functional habitat connectivity between natural areas is essential to sustaining healthy wildlife populations and allowing for the continued dispersal of native plant and animal species. The regional movement and migration of wildlife species has been substantially altered due to habitat fragmentation over the past century. This fragmentation is most commonly caused by development of open areas, which can result in large patches of land becoming inaccessible and forming a virtual barrier between undeveloped areas. Additional roads associated with development, although narrow, may result in barriers to smaller or less mobile wildlife species. Habitat fragmentation results in isolated islands of habitat, which affects wildlife behavior, foraging activity, reproductive patterns, immigration and emigration or dispersal capabilities, and survivability. Wildlife corridors can consist of a sequence of stepping-stones across the landscape (i.e., discontinuous areas of habitat such as isolated wetlands), continuous lineal strips of vegetation and habitat (e.g., riparian strips and ridge lines), or they may be parts of larger habitat areas selected for its known or likely importance to local wildlife. The majority of Project Site does not act as a wildlife movement corridor due to the current built environment as well as the presence of urban/suburban development surrounding the site. The Project Site is expected to be utilized by common, non-special status wildlife for foraging and possibly breeding. However, the Project Site is situated in an urbanized area and does not represent a wildlife movement corridor due to the fact that it is bound on all sides by residential and industrial land uses.

4.9 Jurisdictional Waters/Wetlands

No waterways, wetlands, or riparian vegetation subject to regulation by the USACE, CDFW, or RWQCB are present on the Project Site. Figure 6 shows the nearest identified wetland areas identified by the National

Wetlands Inventory, which has no connectivity to the Project Site. During the survey conducted on April 15, 2021, no potential jurisdictional features were detected.

5.0 ENVIRONMENTAL IMPACTS

This section describes potential impacts to sensitive biological resources—including special-status plants and animals, and aquatic resources that may occur in the Project Site. Each impact discussion includes mitigation measures that would be implemented during the project to avoid and/or reduce the potential for and/or level of impacts to each resource. With the implementation of the recommended mitigation measures, all impacts to biological resources are anticipated to be reduced to less than significant pursuant to CEQA.

5.1 Thresholds of Significance

This section describes potential impacts to biological resources that may occur as a result of the construction of the proposed project. CEQA Guidelines provide guidance in evaluating project impacts and determining whether impacts may be significant. CEQA defines “significant effect on the environment” as “a substantial adverse change in the physical conditions which exist in the area affected by the proposed project.” In accordance with Appendix G of the CEQA Guidelines, a project could have a significant environmental impact on biological resources if it would:

- Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the CDFW or USFWS
- Have a substantial adverse effect on any sensitive natural community identified in local or regional plans, policies, or regulations, or by the CDFW or USFWS
- Have a substantial adverse effect on federally protected wetlands, as defined by Section 404 of the CWA (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrologic interruption, or other means
- Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites
- Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance
- Conflict with the provisions of an adopted Habitat Conservation Plan (HCP), Natural Community Conservation Plan (NCCP), or other approved local, regional, or state HCP

5.2 Impacts and Mitigation Measures

Consistent with the requirements of CEQA and local regulations, the significance of potential impacts is evaluated through the application of the significance criteria described above. The objective of the biological resources analysis is to identify potential adverse effects and/or significant impacts on biological resources. Avoidance is often the preferred approach for the management of biological resources; however, it is not always possible to completely avoid impacts. Mitigation measures to avoid or minimize impacts are identified, as appropriate, including procedures to be followed if significant biological resources are identified prior to the initiation of construction.

Special Status Plants

No special-status plant species are expected to be present on the Project Site due to the extent of current development and subsequent lack of suitable habitat (refer to Appendix B); therefore, no impacts to

special-status plants are anticipated as a result of Project implementation, and no further mitigation is required.

Special Status Wildlife

Impact BIO-1: Nesting Birds

Native and ornamental trees, as well as various other substrates on the Project Site, have the potential to provide nesting habitat for bird species protected by the CFGC Sections 3503 and 3513. There is potential for ground- and tree-nesting birds to establish nests on the Project Site prior any project-related construction. Construction activities including site mobilization, tree removal, other vegetation clearing, grubbing, grading, and noise and vibration from the operation of heavy equipment have the potential to result in significant direct (i.e., death or physical harm) and/or indirect (i.e., nest abandonment) impacts to nesting birds. The loss of an active nest of common or special-status bird species and/or their eggs or young as a result of project construction would be considered a violation of the CFGC, Section 3503, 3503.5, 3513 and therefore, would be considered a potentially significant impact. Implementation of Mitigation Measure BIO-1 would be required to reduce impacts to nesting birds to a less than significant level.

Mitigation Measures

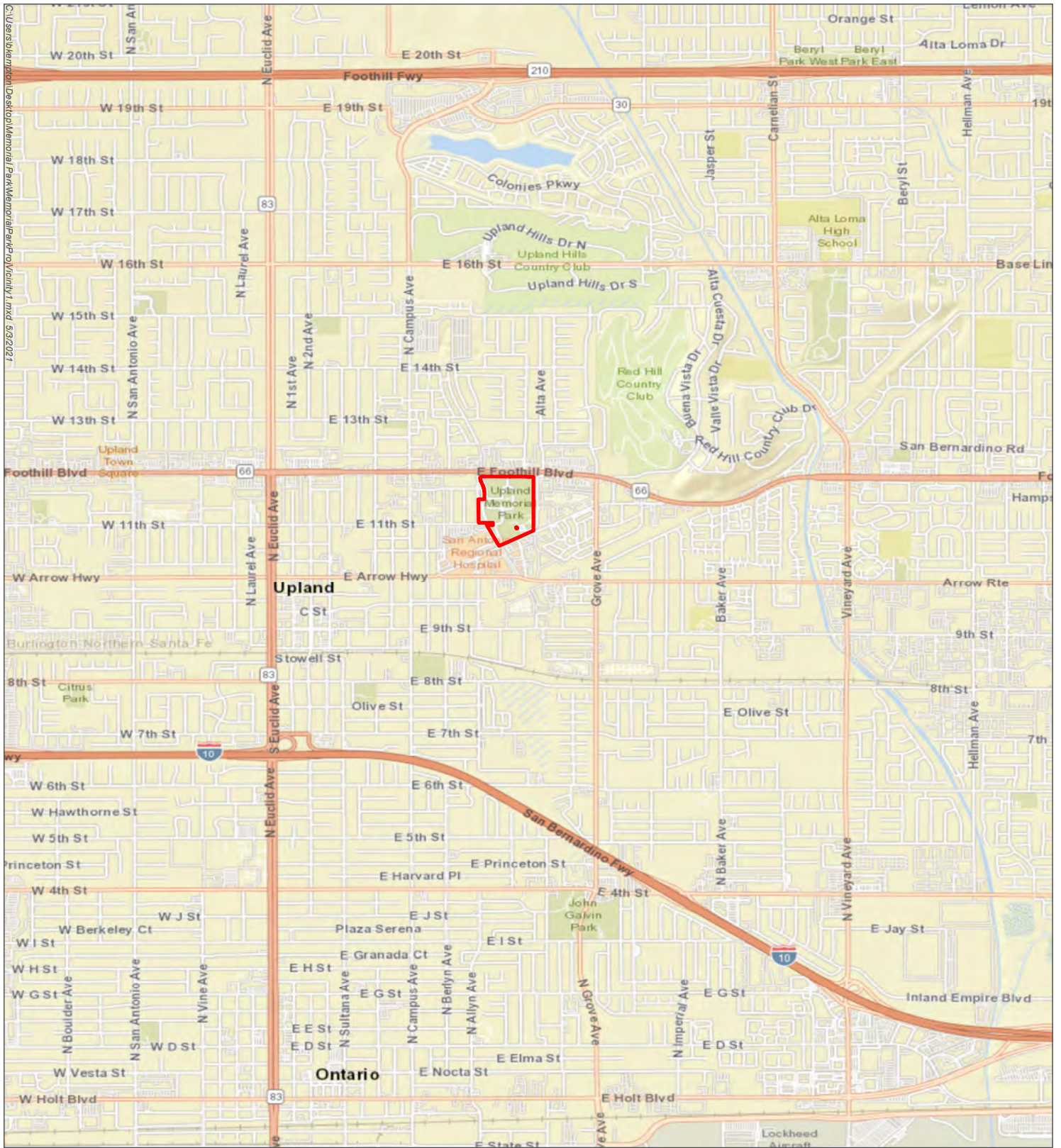
BIO-1 Preconstruction Surveys for Nesting Birds. If vegetation removal is scheduled during the nesting season (typically February 1 to September 1), then a focused survey for active nests shall be conducted by a qualified biologist (as determined by a combination of academic training and professional experience in biological sciences and related resource management activities) no more than five (5) days prior to the beginning of project-related activities (e.g., excavation, grading and vegetation removal). Surveys shall be conducted in proposed work areas, staging and storage areas, and soil, equipment, and material stockpile areas. For passerines and small raptors, surveys shall be conducted within a 250-foot radius surrounding the work area (in non-developed areas and where access is feasible). For larger raptors, such as those from the genus *Buteo*, the survey area shall encompass a 500-foot radius. Surveys shall be conducted during weather conditions suited to maximize the observation of possible nests and shall concentrate on areas of suitable habitat. If a lapse in project-related work of five (5) days or longer occurs, an additional nest survey shall be required before work can be reinitiated. If nests are encountered during any preconstruction survey, a qualified biologist shall determine if it may be feasible for construction to continue as planned without impacting the success of the nest, depending on conditions specific to each nest and the relative location and rate of construction activities. Any nest(s) within the Project Site shall be monitored by a qualified biologist during active construction if work is occurring directly adjacent to the pre-determined no-work buffer. If the qualified biologist determines construction activities have potential to adversely affect a nest, the biologist shall immediately inform the construction manager to halt construction activities within minimum exclusion buffer of 50 feet for songbird nests, and 200 to 500 feet for raptor nests, depending on species and location. Construction activities within the no-work buffer may proceed after a qualified biologist determines the nest is no longer active due to natural causes (e.g., young have fledged, predation, or other non-anthropogenic nest failure).

6.0 REFERENCES

- Baldwin, B.G., D.H. Goldman, D.J. Keil, R. Patterson, T.J. Rosatti, and D.H. Wilken [editors]. 2012. The Jepson Manual: Vascular Plants of California. 2nd edition, thoroughly revised and expanded. University of California Press, Berkeley, CA.
- CDFW. 2016. Complete List of Amphibian, Reptile, Bird and Mammal Species in California, May 2016. California Wildlife Habitat Relationships Program, Sacramento. 26 pp.
- CDFW. 2018. Protocols For Surveying And Evaluating Impacts To Special Status Native Plant Populations And Communities. March 20, 2018. Accessed online: http://www.dfg.ca.gov/wildlife/nongame/survey_monitor.html.
- CDFW. 2020. California Natural Community List, September 9, 2020. Available online at www.dfg.ca.gov/biogeodata/vegcamp/natural_comm_background.asp. Accessed May 2021.
- CDFW. 2021. State and Federally Listed Endangered and Threatened Animals and Plants of California, Updated April 2, 2021. Biogeographic Data Branch, CNDDDB.
- CDFW CNDDDB. 2021. Sensitive Element Record Search. California Department of Fish and Wildlife. Sacramento, California. Accessed April 2021.
- CNPS. 2001. Botanical Survey Guidelines. Available online at https://cnps.org/wp-content/uploads/2018/03/cnps_survey_guidelines.pdf
- CNPS, Rare Plant Program. 2021. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Available online at <http://www.rareplants.cnps.org>. Accessed May 2021
- USACE. 2008a. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0). Eds. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-06-16, U.S. Army Engineer Research and Development Center, Vicksburg, MS. May 2008.
- USACE. 2008b. A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States. Eds. Robert W. Lichvar and Shawn M. McColley. ERDC/EL TR-08-12, U.S. Army Engineer Research and Development Center, Vicksburg, MS. August 2008.
- USDA NRCS. 2021. SSURGO Web Soil Survey. Available online at <http://websoilsurvey.nrcs.usda.gov/>. Accessed May 2021.
- USFWS. 2021a. IPAC: Information for Planning and Conservation. Available online at: <https://ecos.fws.gov/ipac/>. Accessed May 2021.
- USFWS. 2021b. National Wetlands Inventory. Wetlands Mapper. Available online at: <http://www.fws.gov/wetlands/data/mapper.html>. Accessed May 2021.

7.0 FIGURES

Figure 1: Vicinity Map



Source: ESRI 2021, San Bernardino County 2021, MIG 2021

Legend

Project Boundary (Approximate)

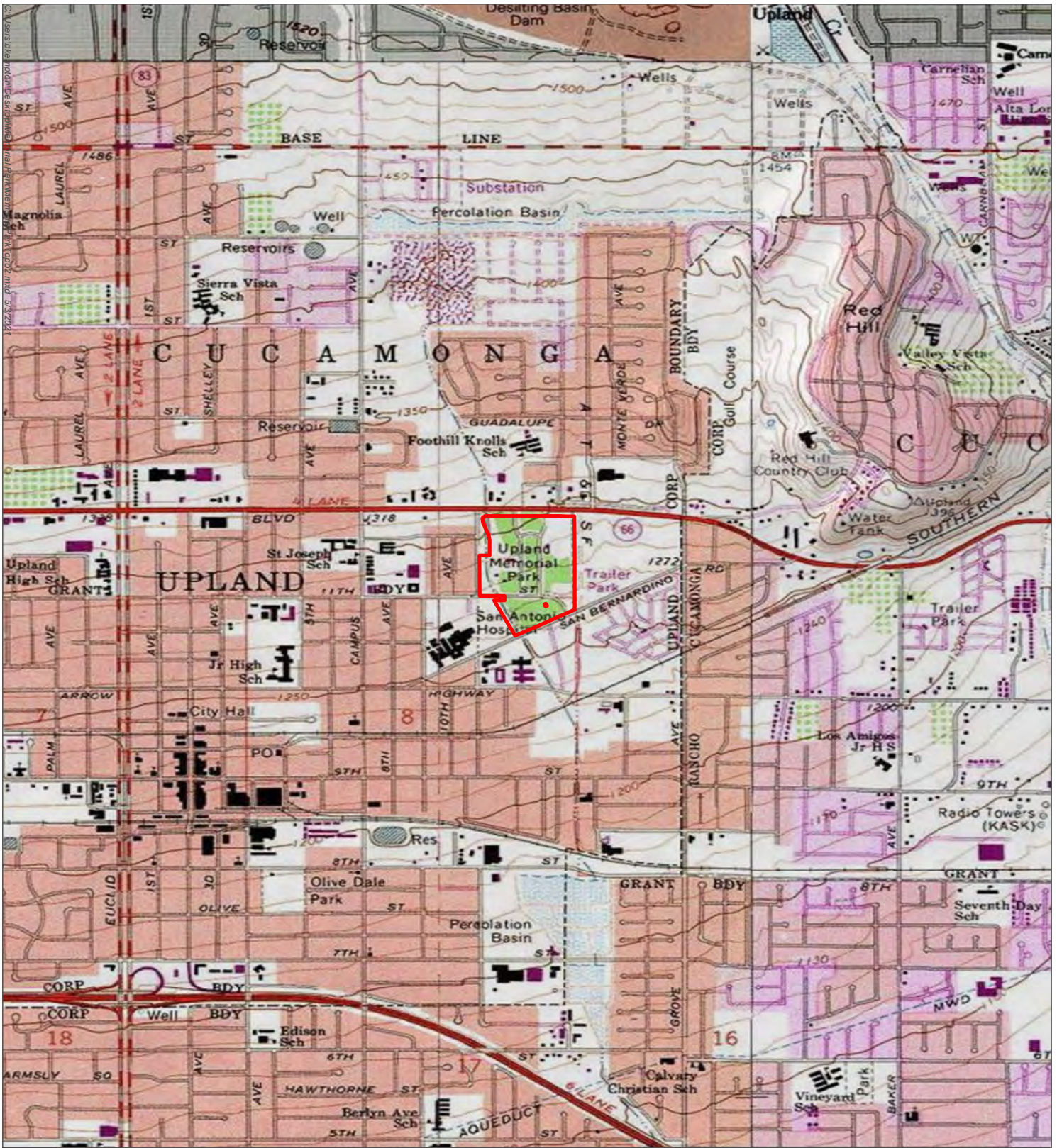


Figure 1. Project Vicinity Map
 Memorial Park Upgrades/Improvements Project

Upland, San Bernardino County, California



Figure 2: USGS Topographic Map



Source: ESRI 2021, USGS 2021, San Bernardino County 2021, MIG 2021

Legend

Project Boundary (Approximate)

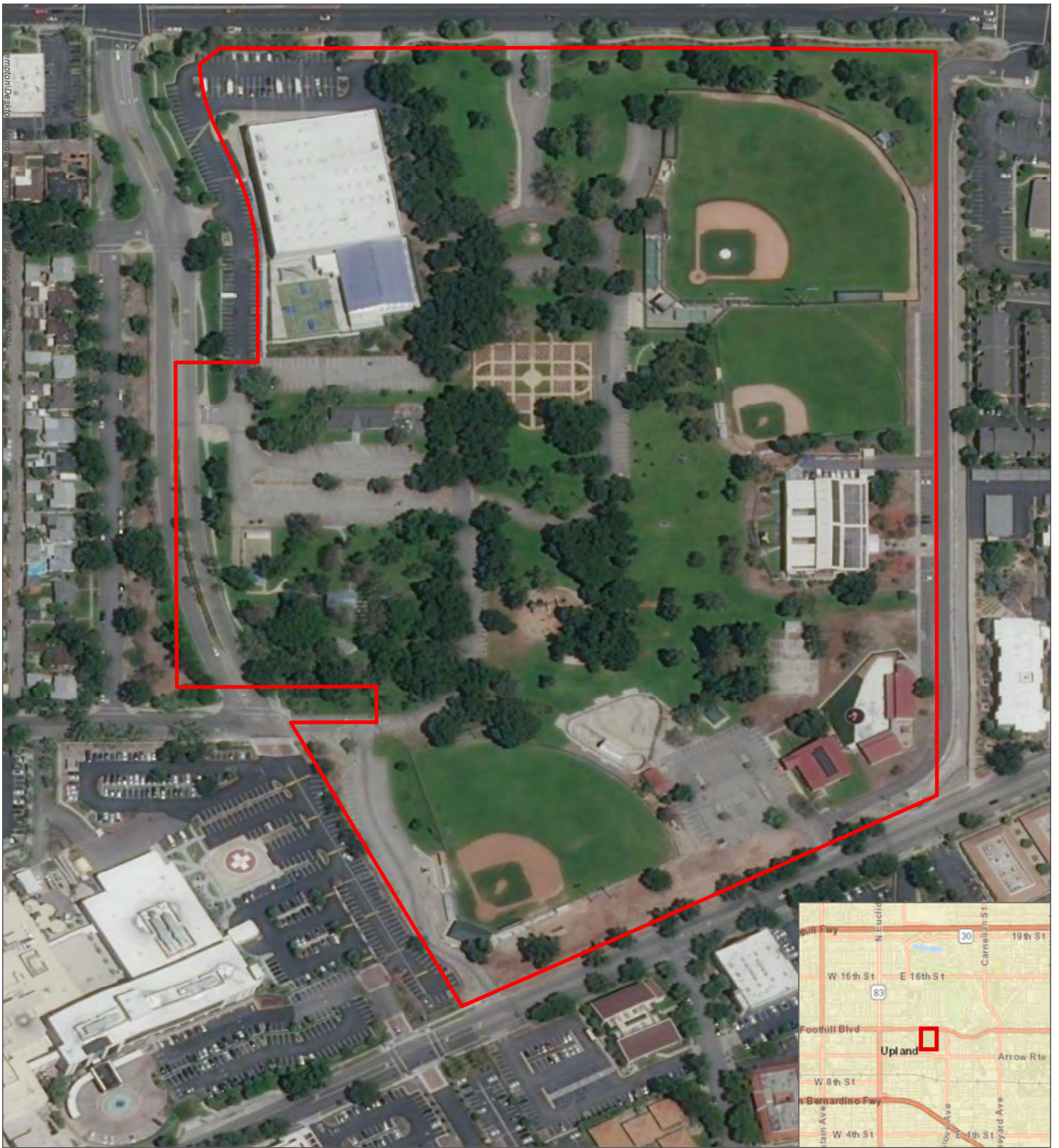


Figure 2. USGS Topographic Map
Memorial Park Upgrades/Improvements Project

Memorial Park Upgrades/Improvements Project



Figure 3: Project Site Map



Source: ESRI 2021, San Bernardino County 2021, MIG 2021

Legend
 Project Boundary (Approximate)

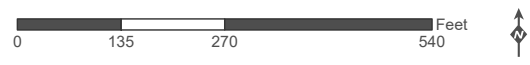


Figure 3. Project Site Map
 Memorial Park Upgrades/Improvements Project
 Upland, San Bernardino County, California

Figure 4: SSURGO Soils Map



Source: ESRI 2021, USDA NRCS 2021, San Bernardino County 2021, MIG 2021

Legend

Project Boundary (Approximate)

SUURGO Soils

SoC—Soboba gravelly loamy sand, 0 to 9 percent slopes

SpC—Soboba stony loamy sand, 2 to 9 percent slopes



Figure 4. SSURGO Soils Map
 Memorial Park Upgrades/Improvements Project

Upland, San Bernardino County, California

Figure 5: Vegetation Communities and Land Cover Types Map



Source: ESRI 2021, USDA NRCS 2021, San Bernardino County 2021, MIG 2021

- Legend**
- Project Boundary (Approximate)
 - Disturbed/Developed



Figure 5. Vegetation Map
Memorial Park Upgrades/Improvements Project
Upland, San Bernardino County, California

Figure 6: National Wetland Inventory Map



Source: ESRI 2021, USFWS 2021b, San Bernardino County 2021, MIG 2021

- Legend**
- Project Boundary (Approximate)
 - Potential NWI Wetlands



Figure 6. National Wetlands Inventory Map
Memorial Park Upgrades/Improvements Project
Upland, San Bernardino County, California



Figure 7: Current Project Site Photographs



Photo 1. Looking south east toward basketball courts from grass field equipped with picnic tables.



Photo 2. Looking southwest covered group picnic area. Note presence of mature trees, including oaks.



Photo 3. Squirrels are present in abundance within the Park.



Photo 4. Looking north east toward baseball field.



Photo 5. Looking south toward historical cannon monument at center of Memorial Park.



Photo 6. Looking south adjacent to Upland Animal Shelter (red building).

APPENDICES

Appendix A
Special Status Species Database Search Results



Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad IS (Ontario (3411716) OR Glendora (3411727) OR Mt. Baldy (3411726) OR San Dimas (3411717) OR Cucamonga Peak (3411725) OR Guasti (3411715) OR Yorba Linda (3311787) OR Prado Dam (3311786) OR Corona North (3311785))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Abronia villosa</i> var. <i>aurita</i> chaparral sand-verbena	PDNYC010P1	None	None	G5T2?	S2	1B.1
<i>Accipiter cooperii</i> Cooper's hawk	ABNKC12040	None	None	G5	S4	WL
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	Threatened	G1G2	S1S2	SSC
<i>Aimophila ruficeps canescens</i> southern California rufous-crowned sparrow	ABPBX91091	None	None	G5T3	S3	WL
<i>Ammodramus savannarum</i> grasshopper sparrow	ABPBXA0020	None	None	G5	S3	SSC
<i>Anaxyrus californicus</i> arroyo toad	AAABB01230	Endangered	None	G2G3	S2S3	SSC
<i>Anniella stebbinsi</i> Southern California legless lizard	ARACC01060	None	None	G3	S3	SSC
<i>Antrozous pallidus</i> pallid bat	AMACC10010	None	None	G4	S3	SSC
<i>Aquila chrysaetos</i> golden eagle	ABNKC22010	None	None	G5	S3	FP
<i>Arctostaphylos glandulosa</i> ssp. <i>gabrielensis</i> San Gabriel manzanita	PDERI042P0	None	None	G5T3	S3	1B.2
<i>Arizona elegans occidentalis</i> California glossy snake	ARADB01017	None	None	G5T2	S2	SSC
<i>Artemisospiza belli belli</i> Bell's sage sparrow	ABPBX97021	None	None	G5T2T3	S3	WL
<i>Asio otus</i> long-eared owl	ABNSB13010	None	None	G5	S3?	SSC
<i>Aspidoscelis hyperythra</i> orange-throated whiptail	ARACJ02060	None	None	G5	S2S3	WL
<i>Aspidoscelis tigris stejnegeri</i> coastal whiptail	ARACJ02143	None	None	G5T5	S3	SSC
<i>Astragalus brauntonii</i> Braunton's milk-vetch	PDFAB0F1G0	Endangered	None	G2	S2	1B.1
<i>Athene cunicularia</i> burrowing owl	ABNSB10010	None	None	G4	S3	SSC
<i>Atractelmis wawona</i> Wawona riffle beetle	IICOL58010	None	None	G3	S1S2	
<i>Atriplex coulteri</i> Coulter's saltbush	PDCHE040E0	None	None	G3	S1S2	1B.2



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Batrachoseps gabrieli</i> San Gabriel slender salamander	AAAAD02110	None	None	G2G3	S2S3	
<i>Berberis nevinii</i> Nevin's barberry	PDBER060A0	Endangered	Endangered	G1	S1	1B.1
<i>Bombus crotchii</i> Crotch bumble bee	IIHYM24480	None	Candidate Endangered	G3G4	S1S2	
<i>Brodiaea filifolia</i> thread-leaved brodiaea	PMLIL0C050	Threatened	Endangered	G2	S2	1B.1
<i>Buteo swainsoni</i> Swainson's hawk	ABNKC19070	None	Threatened	G5	S3	
California Walnut Woodland California Walnut Woodland	CTT71210CA	None	None	G2	S2.1	
<i>Callophrys mossii hidakupa</i> San Gabriel Mountains elfin butterfly	IILEPE2206	None	None	G4T1T2	S1S2	
<i>Calochortus clavatus var. gracilis</i> slender mariposa-lily	PMLIL0D096	None	None	G4T2T3	S2S3	1B.2
<i>Calochortus plummerae</i> Plummer's mariposa-lily	PMLIL0D150	None	None	G4	S4	4.2
<i>Calochortus weedii var. intermedius</i> intermediate mariposa-lily	PMLIL0D1J1	None	None	G3G4T2	S2	1B.2
<i>Calystegia felix</i> lucky morning-glory	PDCON040P0	None	None	G1Q	S1	1B.1
<i>Campylorhynchus brunneicapillus sandiegensis</i> coastal cactus wren	ABPBG02095	None	None	G5T3Q	S3	SSC
Canyon Live Oak Ravine Forest Canyon Live Oak Ravine Forest	CTT61350CA	None	None	G3	S3.3	
<i>Castilleja gleasoni</i> Mt. Gleason paintbrush	PDSCR0D140	None	Rare	G2	S2	1B.2
<i>Catostomus santaanae</i> Santa Ana sucker	AFCJC02190	Threatened	None	G1	S1	
<i>Centromadia pungens ssp. laevis</i> smooth tarplant	PDAST4R0R4	None	None	G3G4T2	S2	1B.1
<i>Chaetodipus fallax fallax</i> northwestern San Diego pocket mouse	AMAFD05031	None	None	G5T3T4	S3S4	SSC
<i>Chorizanthe parryi var. parryi</i> Parry's spineflower	PDPGN040J2	None	None	G3T2	S2	1B.1
<i>Cladium californicum</i> California saw-grass	PMCYP04010	None	None	G4	S2	2B.2
<i>Claytonia peirsonii ssp. peirsonii</i> Peirson's spring beauty	PDPOR03121	None	None	G2G3T2	S2	1B.2
Coastal and Valley Freshwater Marsh Coastal and Valley Freshwater Marsh	CTT52410CA	None	None	G3	S2.1	



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
<i>Coleonyx variegatus abbotti</i> San Diego banded gecko	ARACD01031	None	None	G5T5	S1S2	SSC
<i>Coturnicops noveboracensis</i> yellow rail	ABNME01010	None	None	G4	S1S2	SSC
<i>Crotalus ruber</i> red-diamond rattlesnake	ARADE02090	None	None	G4	S3	SSC
<i>Cypseloides niger</i> black swift	ABNUA01010	None	None	G4	S2	SSC
<i>Diplectrona californica</i> California diplectronan caddisfly	IITRI23010	None	None	G1G2	S1S2	
<i>Dipodomys merriami parvus</i> San Bernardino kangaroo rat	AMAFD03143	Endangered	Candidate Endangered	G5T1	S1	SSC
<i>Dipodomys stephensi</i> Stephens' kangaroo rat	AMAFD03100	Endangered	Threatened	G2	S2	
<i>Dodecahema leptoceras</i> slender-horned spineflower	PDPGN0V010	Endangered	Endangered	G1	S1	1B.1
<i>Dudleya densiflora</i> San Gabriel Mountains dudleya	PDCRA040B0	None	None	G2	S2	1B.1
<i>Dudleya multicaulis</i> many-stemmed dudleya	PDCRA040H0	None	None	G2	S2	1B.2
<i>Elanus leucurus</i> white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
<i>Empidonax traillii extimus</i> southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	G5T2	S1	
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Ensatina eschscholtzii klauberi</i> large-blotched salamander	AAAAD04013	None	None	G5T2?	S3	WL
<i>Eremophila alpestris actia</i> California horned lark	ABPAT02011	None	None	G5T4Q	S4	WL
<i>Eriastrum densifolium ssp. sanctorum</i> Santa Ana River woollystar	PDPLM03035	Endangered	Endangered	G4T1	S1	1B.1
<i>Eriogonum microthecum var. johnstonii</i> Johnston's buckwheat	PDPGN083W5	None	None	G5T2	S2	1B.3
<i>Eumops perotis californicus</i> western mastiff bat	AMACD02011	None	None	G4G5T4	S3S4	SSC
<i>Falco columbarius</i> merlin	ABNKD06030	None	None	G5	S3S4	WL
<i>Fimbristylis thermalis</i> hot springs fimbristylis	PMCYP0B0N0	None	None	G4	S1S2	2B.2



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Gila orcuttii</i> arroyo chub	AFCJB13120	None	None	G2	S2	SSC
<i>Glyptostoma gabrielense</i> San Gabriel chestnut	IMGASB1010	None	None	G2	S2	
<i>Gonidea angulata</i> western ridged mussel	IMBIV19010	None	None	G3	S1S2	
<i>Horkelia cuneata var. puberula</i> mesa horkelia	PDR0S0W045	None	None	G4T1	S1	1B.1
<i>Icteria virens</i> yellow-breasted chat	ABPBX24010	None	None	G5	S3	SSC
<i>Imperata brevifolia</i> California satintail	PMPOA3D020	None	None	G4	S3	2B.1
<i>Lasiurus cinereus</i> hoary bat	AMACC05030	None	None	G3G4	S4	
<i>Lasiurus xanthinus</i> western yellow bat	AMACC05070	None	None	G4G5	S3	SSC
<i>Laterallus jamaicensis coturniculus</i> California black rail	ABNME03041	None	Threatened	G3G4T1	S1	FP
<i>Lepidium virginicum var. robinsonii</i> Robinson's pepper-grass	PDBRA1M114	None	None	G5T3	S3	4.3
<i>Lepus californicus bennettii</i> San Diego black-tailed jackrabbit	AMAEB03051	None	None	G5T3T4	S3S4	SSC
<i>Lilium parryi</i> lemon lily	PMLIL1A0J0	None	None	G3	S3	1B.2
<i>Linanthus concinnus</i> San Gabriel linanthus	PDPLM090D0	None	None	G2	S2	1B.2
<i>Monardella australis ssp. jokerstii</i> Jokerst's monardella	PDLAM18112	None	None	G4T1?	S1?	1B.1
<i>Monardella macrantha ssp. hallii</i> Hall's monardella	PDLAM180E1	None	None	G5T3	S3	1B.3
<i>Muhlenbergia californica</i> California muhly	PMPOA480A0	None	None	G4	S4	4.3
<i>Muhlenbergia utilis</i> aparejo grass	PMPOA481X0	None	None	G4	S2S3	2B.2
<i>Myotis yumanensis</i> Yuma myotis	AMACC01020	None	None	G5	S4	
<i>Navarretia prostrata</i> prostrate vernal pool navarretia	PDPLM0C0Q0	None	None	G2	S2	1B.2
<i>Neolarra alba</i> white cuckoo bee	IIHYM81010	None	None	GH	SH	
<i>Neotoma lepida intermedia</i> San Diego desert woodrat	AMAFF08041	None	None	G5T3T4	S3S4	SSC



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Nyctinomops femorosaccus</i> pocketed free-tailed bat	AMACD04010	None	None	G5	S3	SSC
<i>Nyctinomops macrotis</i> big free-tailed bat	AMACD04020	None	None	G5	S3	SSC
<i>Oncorhynchus mykiss irideus pop. 10</i> steelhead - southern California DPS	AFCHA0209J	Endangered	None	G5T1Q	S1	
<i>Oreonana vestita</i> woolly mountain-parsley	PDAP11G030	None	None	G3	S3	1B.3
<i>Orobanche valida ssp. valida</i> Rock Creek broomrape	PDORO040G2	None	None	G4T2	S2	1B.2
<i>Ovis canadensis nelsoni</i> desert bighorn sheep	AMALE04013	None	None	G4T4	S3	FP
<i>Perognathus longimembris brevinasus</i> Los Angeles pocket mouse	AMAFD01041	None	None	G5T2	S1S2	SSC
<i>Phacelia stellaris</i> Brand's star phacelia	PDHYD0C510	None	None	G1	S1	1B.1
<i>Phrynosoma blainvillii</i> coast horned lizard	ARACF12100	None	None	G3G4	S3S4	SSC
<i>Poliophtila californica californica</i> coastal California gnatcatcher	ABPB08081	Threatened	None	G4G5T3Q	S2	SSC
<i>Pseudognaphalium leucocephalum</i> white rabbit-tobacco	PDAST440C0	None	None	G4	S2	2B.2
<i>Rana boylei</i> foothill yellow-legged frog	AAABH01050	None	Endangered	G3	S3	SSC
<i>Rana muscosa</i> southern mountain yellow-legged frog	AAABH01330	Endangered	Endangered	G1	S1	WL
<i>Rhaphiomidas terminatus abdominalis</i> Delhi Sands flower-loving fly	IIDIP05021	Endangered	None	G1T1	S1	
<i>Rhinichthys osculus ssp. 3</i> Santa Ana speckled dace	AFCJB3705K	None	None	G5T1	S1	SSC
<i>Riversidian Alluvial Fan Sage Scrub</i> Riversidian Alluvial Fan Sage Scrub	CTT32720CA	None	None	G1	S1.1	
<i>Sagittaria sanfordii</i> Sanford's arrowhead	PMALI040Q0	None	None	G3	S3	1B.2
<i>Salvadora hexalepis virgultea</i> coast patch-nosed snake	ARADB30033	None	None	G5T4	S2S3	SSC
<i>Senecio aphanactis</i> chaparral ragwort	PDAST8H060	None	None	G3	S2	2B.2
<i>Setophaga petechia</i> yellow warbler	ABPBX03010	None	None	G5	S3S4	SSC
<i>Sidalcea neomexicana</i> salt spring checkerbloom	PDMAL110J0	None	None	G4	S2	2B.2



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Southern California Arroyo Chub/Santa Ana Sucker Stream Southern California Arroyo Chub/Santa Ana Sucker Stream	CARE2330CA	None	None	GNR	SNR	
Southern Coast Live Oak Riparian Forest Southern Coast Live Oak Riparian Forest	CTT61310CA	None	None	G4	S4	
Southern Cottonwood Willow Riparian Forest Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	G3	S3.2	
Southern Sycamore Alder Riparian Woodland Southern Sycamore Alder Riparian Woodland	CTT62400CA	None	None	G4	S4	
Southern Willow Scrub Southern Willow Scrub	CTT63320CA	None	None	G3	S2.1	
Spea hammondi western spadefoot	AAABF02020	None	None	G2G3	S3	SSC
Streptanthus bernardinus Laguna Mountains jewelflower	PDBRA2G060	None	None	G3G4	S3S4	4.3
Symphotrichum defoliatum San Bernardino aster	PDASTE80C0	None	None	G2	S2	1B.2
Symphotrichum greatae Greata's aster	PDASTE80U0	None	None	G2	S2	1B.3
Taricha torosa Coast Range newt	AAAAF02032	None	None	G4	S4	SSC
Taxidea taxus American badger	AMAJF04010	None	None	G5	S3	SSC
Thamnophis hammondi two-striped gartersnake	ARADB36160	None	None	G4	S3S4	SSC
Thelypteris puberula var. sonorensis Sonoran maiden fern	PPTHE05192	None	None	G5T3	S2	2B.2
Thysanocarpus rigidus rigid fringedpod	PDBRA2Q070	None	None	G1G2	S1	1B.2
Viola pinetorum ssp. grisea grey-leaved violet	PDVIO4431	None	None	G4G5T3	S3	1B.2
Vireo bellii pusillus least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S2	
Walnut Forest Walnut Forest	CTT81600CA	None	None	G1	S1.1	

Record Count: 120



*The database used to provide updates to the Online Inventory is under construction. [View updates and changes made since May 2019 here.](#)

Plant List

71 matches found. [Click on scientific name for details](#)

Search Criteria

Found in Quads 3411727, 3411726, 3411725, 3411717, 3411716, 3411715, 3311787 3311786 and 3311785;

[Modify Search Criteria](#) [Export to Excel](#) [Modify Columns](#) [Modify Sort](#) [Display Photos](#)

Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
Abronia villosa var. aurita	chaparral sand-verbena	Nyctaginaceae	annual herb	(Jan)Mar-Sep	1B.1	S2	G5T2?
Acanthoscyphus parishii var. parishii	Parish's oxytheca	Polygonaceae	annual herb	Jun-Sep	4.2	S3S4	G4? T3T4
Amaranthus watsonii	Watson's amaranth	Amaranthaceae	annual herb	Apr-Sep	4.3	S3	G5?
Androsace elongata ssp. acuta	California androsace	Primulaceae	annual herb	Mar-Jun	4.2	S3S4	G5? T3T4
Arctostaphylos glandulosa ssp. gabrielensis	San Gabriel manzanita	Ericaceae	perennial evergreen shrub	Mar	1B.2	S3	G5T3
Asplenium vesperinum	western spleenwort	Aspleniaceae	perennial rhizomatous herb	Feb-Jun	4.2	S4	G4
Astragalus bicristatus	crested milk-vetch	Fabaceae	perennial herb	May-Aug	4.3	S3	G3
Astragalus brauntonii	Braunton's milk-vetch	Fabaceae	perennial herb	Jan-Aug	1B.1	S2	G2
Atriplex coulteri	Coulter's saltbush	Chenopodiaceae	perennial herb	Mar-Oct	1B.2	S1S2	G3
Atriplex serenana var. davidsonii	Davidson's saltscale	Chenopodiaceae	annual herb	Apr-Oct	1B.2	S1	G5T1
Berberis nevinii	Nevin's barberry	Berberidaceae	perennial evergreen shrub	(Feb)Mar-Jun	1B.1	S1	G1
Brodiaea filifolia	thread-leaved brodiaea	Themidaceae	perennial bulbiferous herb	Mar-Jun	1B.1	S2	G2
Calochortus catalinae	Catalina mariposa lily	Liliaceae	perennial bulbiferous herb	(Feb)Mar-Jun	4.2	S3S4	G3G4
Calochortus clavatus var. gracilis	slender mariposa lily	Liliaceae	perennial bulbiferous herb	Mar-Jun(Nov)	1B.2	S2S3	G4T2T3
Calochortus plummerae	Plummer's mariposa lily	Liliaceae	perennial bulbiferous herb	May-Jul	4.2	S4	G4
Calochortus weedii var. intermedius	intermediate mariposa lily	Liliaceae	perennial bulbiferous herb	May-Jul	1B.2	S2	G3G4T2
Calystegia felix	lucky morning-glory	Convolvulaceae	annual rhizomatous herb	Mar-Sep	1B.1	S1	G1Q
Camissoniopsis lewisii	Lewis' evening-primrose	Onagraceae	annual herb	Mar-May(Jun)	3	S4	G4
Castilleja gleasonii	Mt. Gleason paintbrush	Orobanchaceae	perennial herb (hemiparasitic)	May-Jun(Sep)	1B.2	S2	G2
Centromadia parryi ssp. australis	southern tarplant	Asteraceae	annual herb	May-Nov	1B.1	S2	G3T2
Centromadia pungens ssp. laevis	smooth tarplant	Asteraceae	annual herb	Apr-Sep	1B.1	S2	G3G4T2
Chorizanthe leptotheca	Peninsular spineflower	Polygonaceae	annual herb	May-Aug	4.2	S3	G3
Chorizanthe parryi var. parryi	Parry's spineflower	Polygonaceae	annual herb	Apr-Jun	1B.1	S2	G3T2
Cladium californicum	California sawgrass	Cyperaceae	perennial rhizomatous herb	Jun-Sep	2B.2	S2	G4
Claytonia lanceolata var. peirsonii	Peirson's spring beauty	Montiaceae	perennial herb	(Mar)May-Jun	3.1	S1	G5T1Q
Convolvulus simulans	small-flowered morning-glory	Convolvulaceae	annual herb	Mar-Jul	4.2	S4	G4
Deinandra paniculata	paniculate tarplant	Asteraceae	annual herb	(Mar)Apr-Nov(Dec)	4.2	S4	G4
Dodecahema leptoceras	slender-horned spineflower	Polygonaceae	annual herb	Apr-Jun	1B.1	S1	G1

Dudleya densiflora	San Gabriel Mountains dudleya	Crassulaceae	perennial herb	Mar-Jun	1B.1	S2	G2
Dudleya multicaulis	many-stemmed dudleya	Crassulaceae	perennial herb	Apr-Jul	1B.2	S2	G2
Eriastrum densifolium ssp. sanctorum	Santa Ana River woollystar	Polemoniaceae	perennial herb	Apr-Sep	1B.1	S1	G4T1
Eriogonum microthecum var. johnstonii	Johnston's buckwheat	Polygonaceae	perennial deciduous shrub	Jul-Sep	1B.3	S2	G5T2
Eriogonum umbellatum var. minus	alpine sulfur-flowered buckwheat	Polygonaceae	perennial herb	Jun-Sep	4.3	S4	G5T4
Fimbristylis thermalis	hot springs fimbristylis	Cyperaceae	perennial rhizomatous herb	Jul-Sep	2B.2	S1S2	G4
Galium angustifolium ssp. gabrielense	San Antonio Canyon bedstraw	Rubiaceae	perennial herb	Apr-Aug	4.3	S3	G5T3
Galium johnstonii	Johnston's bedstraw	Rubiaceae	perennial herb	Jun-Jul	4.3	S4	G4
Heuchera caespitosa	urn-flowered alumroot	Saxifragaceae	perennial rhizomatous herb	May-Aug	4.3	S3	G3
Horkelia cuneata var. puberula	mesa horkelia	Rosaceae	perennial herb	Feb-Jul(Sep)	1B.1	S1	G4T1
Imperata brevifolia	California satintail	Poaceae	perennial rhizomatous herb	Sep-May	2B.1	S3	G4
Juglans californica	Southern California black walnut	Juglandaceae	perennial deciduous tree	Mar-Aug	4.2	S4	G4
Juncus duranii	Duran's rush	Juncaceae	perennial rhizomatous herb	Jul-Aug	4.3	S3	G3
Lepechinia fragrans	fragrant pitcher sage	Lamiaceae	perennial shrub	Mar-Oct	4.2	S3	G3
Lepidium virginicum var. robinsonii	Robinson's pepper-grass	Brassicaceae	annual herb	Jan-Jul	4.3	S3	G5T3
Lilium humboldtii ssp. ocellatum	ocellated Humboldt lily	Liliaceae	perennial bulbiferous herb	Mar-Jul(Aug)	4.2	S4?	G4T4?
Lilium parryi	lemon lily	Liliaceae	perennial bulbiferous herb	Jul-Aug	1B.2	S3	G3
Linanthus concinnus	San Gabriel linanthus	Polemoniaceae	annual herb	Apr-Jul	1B.2	S2	G2
Monardella australis ssp. jokerstii	Jokerst's monardella	Lamiaceae	perennial rhizomatous herb	Jul-Sep	1B.1	S1	G4T1
Monardella macrantha ssp. hallii	Hall's monardella	Lamiaceae	perennial rhizomatous herb	Jun-Oct	1B.3	S3	G5T3
Monardella saxicola	rock monardella	Lamiaceae	perennial rhizomatous herb	Jun-Sep	4.2	S3	G3
Muhlenbergia californica	California muhly	Poaceae	perennial rhizomatous herb	Jun-Sep	4.3	S4	G4
Navarretia prostrata	prostrate vernal pool navarretia	Polemoniaceae	annual herb	Apr-Jul	1B.1	S2	G2
Oreonana vestita	woolly mountain-parsley	Apiaceae	perennial herb	Mar-Sep	1B.3	S3	G3
Orobanche valida ssp. valida	Rock Creek broomrape	Orobanchaceae	perennial herb (parasitic)	May-Sep	1B.2	S2	G4T2
Phacelia hubbyi	Hubby's phacelia	Hydrophyllaceae	annual herb	Apr-Jul	4.2	S4	G4
Phacelia mohavensis	Mojave phacelia	Hydrophyllaceae	annual herb	Apr-Aug	4.3	S4	G4Q
Phacelia stellaris	Brand's star phacelia	Hydrophyllaceae	annual herb	Mar-Jun	1B.1	S1	G1
Pseudognaphalium leucocephalum	white rabbit-tobacco	Asteraceae	perennial herb	(Jul)Aug-Nov(Dec)	2B.2	S2	G4
Quercus durata var. gabrielensis	San Gabriel oak	Fagaceae	perennial evergreen shrub	Apr-May	4.2	S3	G4T3
Quercus engelmannii	Engelmann oak	Fagaceae	perennial deciduous tree	Mar-Jun	4.2	S3	G3
Romneya coulteri	Coulter's matilija poppy	Papaveraceae	perennial rhizomatous herb	Mar-Jul(Aug)	4.2	S4	G4
Sagittaria sanfordii	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb (emergent)	May-Oct(Nov)	1B.2	S3	G3
Senecio aphanactis	chaparral ragwort	Asteraceae	annual herb	Jan-Apr(May)	2B.2	S2	G3
Senecio astephanus	San Gabriel ragwort	Asteraceae	perennial herb	May-Jul	4.3	S3	G3
Sidalcea neomexicana	salt spring checkerbloom	Malvaceae	perennial herb	Mar-Jun	2B.2	S2	G4
Sidotheca caryophylloides	chickweed oxytheca	Polygonaceae	annual herb	Jul-Sep(Oct)	4.3	S4	G4
Streptanthus bernardinus	Laguna Mountains jewelflower	Brassicaceae	perennial herb	May-Aug	4.3	S3S4	G3G4
Symphyotrichum defoliatum	San Bernardino aster	Asteraceae	perennial rhizomatous herb	Jul-Nov(Dec)	1B.2	S2	G2
Symphyotrichum greatae	Greata's aster	Asteraceae	perennial rhizomatous herb	Jun-Oct	1B.3	S2	G2
Thelypteris puberula var. sonorensis	Sonoran maiden fern	Thelypteridaceae	perennial rhizomatous herb	Jan-Sep	2B.2	S2	G5T3
Thysanocarpus rigidus	rigid fringe-pod	Brassicaceae	annual herb	Feb-May	1B.2	S1	G1G2
Viola pinetorum ssp. grisea	grey-leaved violet	Violaceae	perennial herb	Apr-Jul	1B.2	S3	G4G5T3

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IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

San Bernardino County, California



Local office

Carlsbad Fish And Wildlife Office

☎ (760) 431-9440

📅 (760) 431-5901

2177 Salk Avenue - Suite 250
Carlsbad, CA 92008-7385

<http://www.fws.gov/carlsbad/>

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
San Bernardino Merriam's Kangaroo Rat <i>Dipodomys merriami parvus</i> Wherever found There is final critical habitat for this species. The location of the critical habitat is not available. https://ecos.fws.gov/ecp/species/2060	Endangered

Birds

NAME	STATUS
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Coastal California Gnatcatcher *Poliptila californica californica* Threatened
 Wherever found
 There is **final** critical habitat for this species. The location of the critical habitat is not available.
<https://ecos.fws.gov/ecp/species/8178>

Least Bell's Vireo *Vireo bellii pusillus* Endangered
 Wherever found
 There is **final** critical habitat for this species. The location of the critical habitat is not available.
<https://ecos.fws.gov/ecp/species/5945>

Insects

NAME	STATUS
Delhi Sands Flower-loving Fly <i>Rhaphiomidas terminatus abdominalis</i> Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/1540	Endangered

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To

see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)
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<p>Allen's Hummingbird <i>Selasphorus sasin</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9637</p>	Breeds Feb 1 to Jul 15
<p>Burrowing Owl <i>Athene cunicularia</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9737</p>	Breeds Mar 15 to Aug 31
<p>Common Yellowthroat <i>Geothlypis trichas sinuosa</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/2084</p>	Breeds May 20 to Jul 31
<p>Costa's Hummingbird <i>Calypte costae</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9470</p>	Breeds Jan 15 to Jun 10
<p>Lawrence's Goldfinch <i>Carduelis lawrencei</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9464</p>	Breeds Mar 20 to Sep 20
<p>Nuttall's Woodpecker <i>Picoides nuttallii</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/9410</p>	Breeds Apr 1 to Jul 20

<p>Oak Titmouse <i>Baeolophus inornatus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9656</p>	Breeds Mar 15 to Jul 15
<p>Rufous Hummingbird <i>selasphorus rufus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/8002</p>	Breeds elsewhere
<p>Song Sparrow <i>Melospiza melodia</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA</p>	Breeds Feb 20 to Sep 5
<p>Spotted Towhee <i>Pipilo maculatus clementae</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA https://ecos.fws.gov/ecp/species/4243</p>	Breeds Apr 15 to Jul 20
<p>Wrentit <i>Chamaea fasciata</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.</p>	Breeds Mar 15 to Aug 10

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is $0.25/0.25 = 1$; at week 20 it is $0.05/0.25 = 0.2$.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (I)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

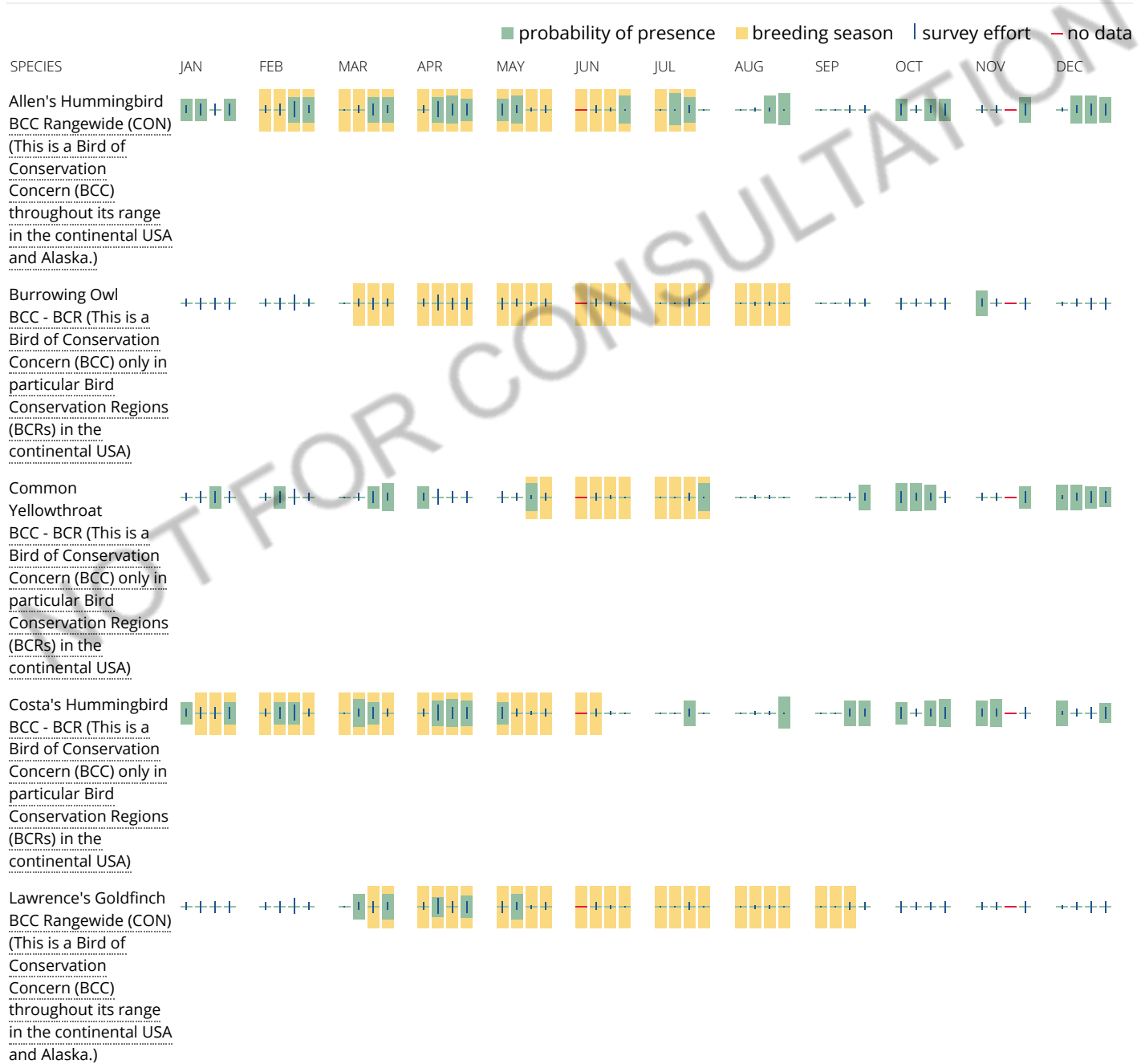
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

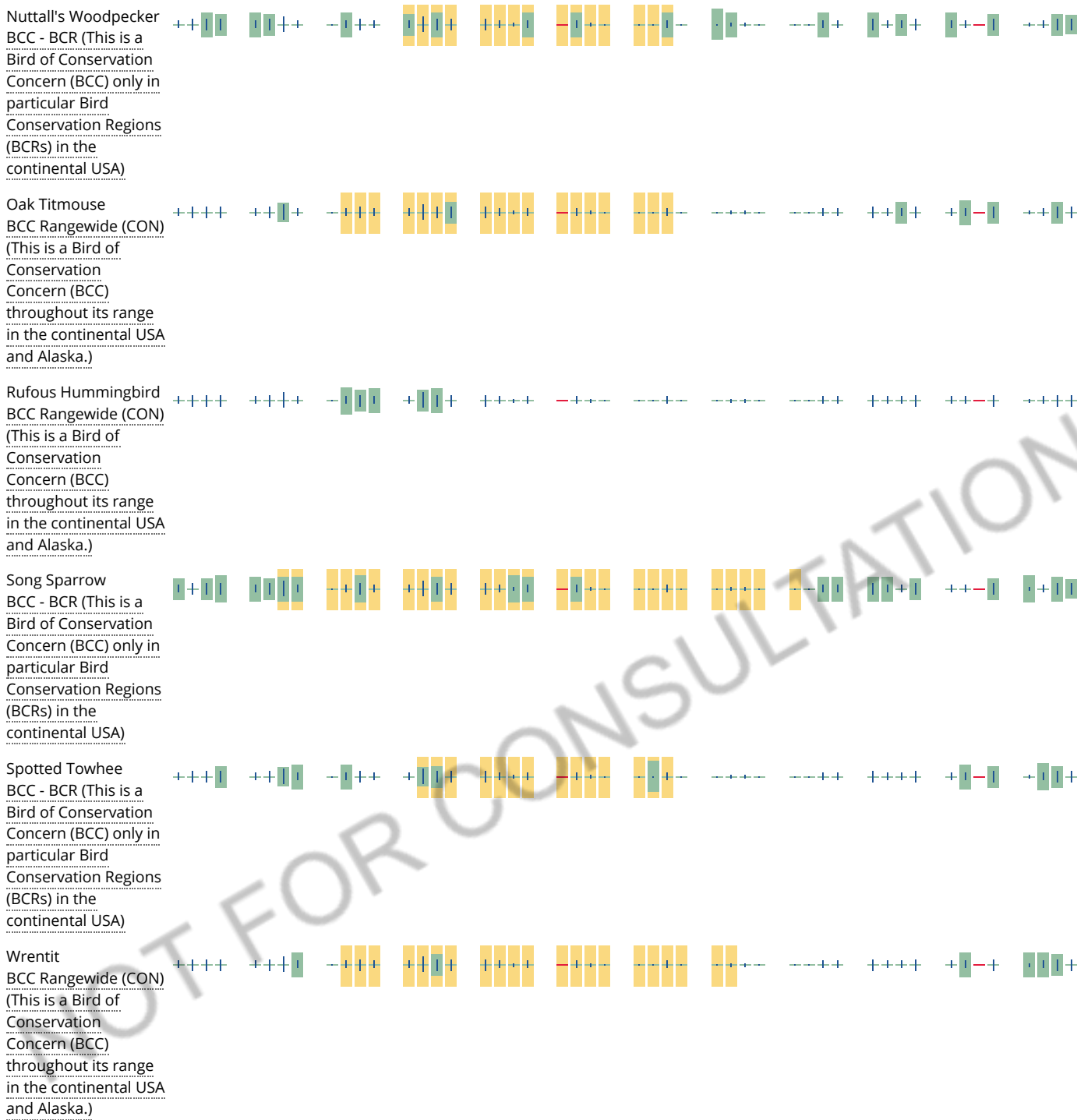
No Data (-)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

THERE ARE NO KNOWN WETLANDS AT THIS LOCATION.

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

Appendix B
Special-Status Plant Species With Potential to Occur on the Project Site

Appendix A: Special Status Plant Species with Potential to Occur on the Project Site.

Species	Common Name	Status			Habitat; Elevation	Lifeform; Blooming Period	Potential Occurrence in the Project Site ¹
		Federal	State	CNPS CRPR			
DICOTS							
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	--	--	1B.1	Chaparral, Coastal scrub, Desert dunes; 75-1,600m	annual herb; (Jan) Mar-Sep	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Arctostaphylos glandulosa</i> ssp. <i>gabrielensis</i>	San Gabriel manzanita	--	--	1B.2	Chaparral; 595-1,500m	perennial evergreen shrub; Mar	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Astragalus brauntonii</i>	Braunton's milk-vetch	FE	--	1B.1	Chaparral, Coastal scrub, Limestone, Valley & foothill grassland; 4-640m	perennial herb; Jan-Aug	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site
<i>Atriplex coulteri</i>	Coulter's saltbush	--	--	1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub, Valley & foothill grassland; 3-460m	perennial herb; Mar-Oct	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Berberis nevini</i>	Nevin's barberry	FE	SE	1B.1	Chaparral, Cismontane woodland, Coastal scrub, Riparian scrub; 70-825m	perennial evergreen shrub; (Feb)Mar-Jun	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Calystegia felix</i>	lucky morning-glory	--	--	1B.1	Meadow & seep, Riparian scrub; 30-215m	annual rhizomatous; herb Mar-Sep	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Castilleja gleasoni</i>	Mt. Gleason paintbrush	--	SR	1B.2	Chaparral, Lower montane coniferous forest, Pinon & juniper woodlands; 665-2170m	perennial herb (hemiparasitic); May-Jun (Sep)	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.

¹ The potential for occurrence is based on occurrences recorded in the CDFW CNDDDB (2021) and CNPS (2021), knowledge of species requirements, and site inspections during 2021 field survey

Appendix A: Special Status Plant Species with Potential to Occur on the Project Site.

Species	Common Name	Status			Habitat; Elevation	Lifeform; Blooming Period	Potential Occurrence in the Project Site ¹
		Federal	State	CNPS CRPR			
<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant	--	--	1B.1	Alkali playa, Chenopod scrub, Meadow & seep, Riparian woodland, Valley & foothill grassland, Wetland; 0-640m	annual herb; Apr-Sep	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower	--	--	1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley & foothill grassland; 275-1,220m	annual herb; Apr-Jun	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Claytonia peirsonii</i> ssp. <i>peirsonii</i>	Peirson's spring beauty	--	--	1B.2	Subalpine coniferous forest, Upper montane coniferous forest; 1,500-2,745m	perennial herb; (Mar)May-Jun	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Dodecahema leptoceras</i>	slender-horned spineflower	FE	SE	1B.1	Chaparral, Cismontane woodland, Coastal scrub; 200-760m	annual herb; Apr-Jun	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Dudleya densiflora</i>	San Gabriel Mountains dudleya	--	--	1B.1	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Riparian forest; 244-610m	perennial herb; Mar-Jun	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Dudleya multicaulis</i>	many-stemmed dudleya	--	--	1B.2	Chaparral, Coastal scrub, Valley & foothill grassland; 15-790m	perennial herb; Apr-Jul	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Santa Ana River woollystar	FE	SE	1B.1	Chaparral, Coastal scrub; 91-610m	perennial herb; Apr-Sep	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Eriogonum microthecum</i> var. <i>johnstonii</i>	Johnston's buckwheat	--	--	1B.3	Limestone, Subalpine coniferous forest, Upper montane coniferous forest; 1,829-2,926m	perennial deciduous shrub; Jul-Sep	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not

Appendix A: Special Status Plant Species with Potential to Occur on the Project Site.

Species	Common Name	Status			Habitat; Elevation	Lifeform; Blooming Period	Potential Occurrence in the Project Site ¹
		Federal	State	CNPS CRPR			
							expected to occur on the Project Site.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia	--	--	1B.1	Chaparral, Cismontane woodland, Coastal scrub; 70-80m	perennial herb; Feb-Jul (Sep)	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	--	--	4.3	Chaparral, Coastal scrub; 1-885m	annual herb; Jan-Jul	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Linanthus concinnus</i>	San Gabriel linanthus	--	--	1B.2	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest; 1,520-2,800m	annual herb; Apr-Jul	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Monardella australis</i> ssp. <i>jokerstii</i>	Jokerst's monardella	--	--	1B.1	Chaparral, Lower montane coniferous forest; 1,350-1,750m	perennial rhizomatous herb; Jul-Sep	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Monardella macrantha</i> ssp. <i>hallii</i>	Hall's monardella	--	--	1B.3	Broadleaved upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley & foothill grassland; 730-2,195m	perennial rhizomatous herb; Jun-Oct	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia	--	--	1B.2	Coastal scrub, Meadow & seep, Valley & foothill grassland, Vernal pool, Wetland; 3-1210m	annual herb; Apr-Jul	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Oreonana vestita</i>	woolly mountain-parsley	--	--	1B.3	Lower montane coniferous forest, Subalpine coniferous forest, Upper montane coniferous forest; 1,615-3,500m	perennial herb; Mar-Sep	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.

Appendix A: Special Status Plant Species with Potential to Occur on the Project Site.

Species	Common Name	Status			Habitat; Elevation	Lifeform; Blooming Period	Potential Occurrence in the Project Site ¹
		Federal	State	CNPS CRPR			
<i>Orobanche valida</i> ssp. <i>valida</i>	Rock Creek broomrape	--	--	1B.2	Chaparral, Pinon & juniper woodlands; 1,250-2,000m	perennial herb; (parasitic); May-Sep	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Phacelia stellaris</i>	Brand's star phacelia	--	--	1B.1	Coastal dunes, Coastal scrub; 1-400m	annual herb; Mar-Jun	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Pseudognaphalium leucocephalum</i>	white rabbit-tobacco	--	--	2B.2	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland; 0-2,100m	perennial herb; (Jul) Aug-Nov (Dec)	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Senecio aphanactis</i>	chaparral ragwort	--	--	2B.2	Chaparral, Cismontane woodland, Coastal scrub; 15-800m	annual herb; Jan-Apr (May)	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Sidalcea neomexicana</i>	salt spring checkerbloom	--	--	2B.2	Alkali playa, Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Wetland; 15-1,530m	perennial herb; Mar-Jun	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Streptanthus bernardinus</i>	Laguna Mountains jewelflower	--	--	4.3	Chaparral, Lower montane coniferous forest, Upper montane coniferous forest; 670-2,500m	perennial herb; May-Aug	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Symphotrichum defoliatum</i>	San Bernardino aster	--	--	1B.2	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Marsh & swamp, Meadow & seep, Valley & foothill grassland; 2-2,010m	perennial rhizomatous herb; Jul-Nov (Dec)	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Symphotrichum</i>	Greata's aster	--	--	1B.3	Broadleaved upland	perennial	Not Expected. Soils present at the

Appendix A: Special Status Plant Species with Potential to Occur on the Project Site.

Species	Common Name	Status			Habitat; Elevation	Lifeform; Blooming Period	Potential Occurrence in the Project Site ¹
		Federal	State	CNPS CRPR			
<i>greaetae</i>					forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Riparian woodland; 300-2,010m	rhizomatous herb; Jun-Oct	Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Thysanocarpus rigidus</i>	rigid fringe-pod	--	--	1B.2	Pinon & juniper woodlands; 600-2,200m	annual herb; Feb-May	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Viola pinetorum</i> ssp. <i>grisea</i>	grey-leaved violet	--	--	1B.2	Meadow & seep, Subalpine coniferous forest, Upper montane coniferous forest; 1,500-3,400m	perennial herb; Apr-Jul	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
MONOCOTS							
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	FT	SE	1B.1	Chaparral, Coastal scrub, Valley & foothill grassland; 25-1,120m	perennial bulbiferous herb; Mar-Jun	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Calochortus clavatus</i> var. <i>gracilis</i>	slender mariposa-lily	--	--	1B.2	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Valley & foothill grassland; 320-1,000m	perennial bulbiferous herb; Mar-Jun (Nov)	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Calochortus plummerae</i>	Plummer's mariposa-lily	--	--	4.2	Chaparral, Coastal scrub, Valley & foothill grassland; 100-1,700m	perennial bulbiferous herb; May-Jul	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Calochortus weedii</i> var. <i>intermedius</i>	intermediate mariposa-lily	--	--	1B.2	Alkali marsh, Freshwater marsh, Meadow & seep, Wetland; 105-855m	perennial bulbiferous herb; May-Jul	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Cladium californicum</i>	California saw-grass	--	--	2B.2	Meadow & seep, Wetland; 60-1,600m	perennial rhizomatous	Not Expected. Soils present at the Project Site would not support this

Appendix A: Special Status Plant Species with Potential to Occur on the Project Site.

Species	Common Name	Status			Habitat; Elevation	Lifeform; Blooming Period	Potential Occurrence in the Project Site ¹
		Federal	State	CNPS CRPR			
						herb; Jun-Sep	species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Fimbristylis thermalis</i>	hot springs fimbriatylis	--	--	2B.2	Chaparral, Coastal scrub, Meadow & seep, Mojavean desert scrub, Riparian scrub, Wetland; 110-1,340m	perennial rhizomatous herb; Jul-Sep	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Imperata brevifolia</i>	California satintail	--	--	2B.1	Lower montane coniferous forest, Meadow & seep, Riparian forest, Upper montane coniferous forest, Wetland; 0-1,215m	perennial rhizomatous herb; Sep-May	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Lilium parryi</i>	lemon lily	--	--	1B.2	Chaparral, Coastal scrub, Lower montane coniferous forest, Meadow & seep; 1,220-2,745m	perennial bulbiferous herb; Jul-Aug	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Muhlenbergia californica</i>	California muhly	--	--	4.3	Chaparral, Cismontane woodland, Coastal scrub, Marsh & swamp, Meadow & seep, Ultramafic; 100-2,000m	perennial rhizomatous herb; Jun-Sep	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Muhlenbergia utilis</i>	aparejo grass	--	--	2B.2	Chaparral, Cismontane woodland, Coastal scrub, Marsh & swamp, Meadow & seep, Ultramafic; 250-1,000m	perennial rhizomatous herb; Oct-Mar	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	--	--	1B.2	Chaparral, Coastal scrub, Valley & foothill grassland; 0-650m	perennial rhizomatous herb (emergent); May-Oct (Nov)	Not Expected. Soils present at the Project Site would not support this species due to soil compaction and disturbance. The species is not expected to occur on the Project Site.
FERNS							
<i>Thelypteris puberula</i> var. <i>sonorensis</i>	Sonoran maiden fern	--	--	2B.2	Chaparral, Cismontane woodland, Coastal scrub, Valley & foothill grassland, Vernal pool, Wetland	Perennial rhizomatous herb; January to September	Not Expected. The Project Site is not mesic enough to support this species. The species is not expected to occur on the Project Site.

Appendix A: Special Status Plant Species with Potential to Occur on the Project Site.

STATUS KEY:

Federal

FE: Federally-listed Endangered

FT: Federally-listed Threatened

State

SE: California-listed Endangered

SR: California-listed Rare

ST: California-listed Threatened

California Native Plant Society (CNPS): CNPS has developed five categories of rarity known as the California Rare Plant Ranking (CRPR). CRPR designations are defined as follows:

1A: Presumed extinct in California

1B: Plants listed as rare, threatened, or endangered in California and elsewhere

2B: Plants rare, threatened, or endangered in California, but more common elsewhere

3: Plants about which we need more information

4: Species of limited distribution in California, but whose existence does not appear to be susceptible to threat

CNPS also adds a decimal threat rank to the List rank to parallel that used by the CNDDDB. CNPS rank designations therefore appear as: 1B.1, 1B.2, etc. Threat code extensions are defined as follows:

.1 – Seriously endangered in California (over 80% of occurrences threatened / high degree of immediacy of threat)

.2 – Fairly endangered in California (20-80% occurrences threatened)

.3 – Not very endangered in California (<20% of occurrences threatened or no current threats known)

Appendix C
Special-Status Wildlife Species With Potential to Occur on the Project Site

Appendix A: Special-Status Animal Species with Potential to Occur on the Project Site.

Species	Status		Habitat Requirements ¹	Potential for Occurrence within the Project Site ¹
	Federal	State		
INSECTS				
Crotch bumble bee <i>Bombus crotchii</i>	--	SC	Found along coastal California east to the Sierra-Cascade crest and south into Mexico. Food plant genera include <i>Antirrhinum</i> , <i>Phacelia</i> , <i>Clarkia</i> , <i>Dendromecon</i> , <i>Eschscholzia</i> , and <i>Eriogonum</i> .	Not Expected. Suitable habitat is not present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Delhi Sands flower-loving fly <i>Rhaphiomidas terminatus abdominalis</i>	FE	--	Found only in areas of the Delhi Sands formation in southwestern San Bernardino and northwestern Riverside counties. Requires fine, sandy soils, often with wholly or partly consolidated dunes and sparse vegetation.	Not Expected. Suitable habitat is not present on the Project Site. Soils present at the Project Site are not similar to Delhi Sands formation. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
FISHES				
Arroyo chub <i>Gila orcuttii</i>	--	CSC	Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mohave and San Diego river basins. Inhabits slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates.	Not Expected. Suitable habitat is not present on the Project Site. No perennial waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Santa Ana speckled dace <i>Rhinichthys osculus</i> ssp. 3	--	CSC	Found in the headwaters of the Santa Ana River and San Gabriel Rivers. Requires permanent flowing streams with summer water temps of 17-20 C. Usually inhabits shallow cobble and gravel riffles.	Not Expected. Suitable habitat is not present on the Project Site. No perennial waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Santa Ana sucker <i>Catostomus santaanae</i>	FT	--	Endemic to Los Angeles Basin south coastal streams. Habitat generalists, but prefers permanent streams with sand-rubble-boulder bottoms, cool, clear water, algae, and riparian vegetation that provides cover and refuge from floods.	Not Expected. Suitable habitat is not present on the Project Site. No perennial waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Steelhead - southern California DPS <i>Oncorhynchus mykiss irideus</i> pop. 10	FE	--	Federal listing refers to populations from Santa Maria River south to southern extent of range (San Mateo Creek in San Diego County). Southern steelhead likely have greater physiological tolerances to warmer water and more variable conditions.	Not Expected. Suitable habitat is not present on the Project Site. No perennial waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
AMPHIBIANS				

Appendix A: Special-Status Animal Species with Potential to Occur on the Project Site.

Species	Status		Habitat Requirements ¹	Potential for Occurrence within the Project Site ¹
	Federal	State		
arroyo toad <i>Anaxyrus californicus</i>	FE	CSC	Habitats are semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, etc.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Coast Range newt <i>Taricha torosa</i>	--	CSC	Occupies coastal drainages from Mendocino County to San Diego County.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
foothill yellow-legged frog <i>Rana boylei</i>	--	SE, CSC	Generally found in partly-shaded, shallow streams and riffles with a rocky substrate in a variety of habitats.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
large-blotched salamander <i>Ensatina eschscholtzii klauberi</i>	--	WL	Generally found in conifer and woodland habitats.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Southern mountain yellow-legged frog <i>Rana muscosa</i>	FE	SE	Endemic to Los Angeles Basin south coastal streams. Habitat generalists, but prefer sand-rubble-boulder bottoms, cool, clear water, and algae.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Western spadefoot <i>Spea hammondi</i>	--	CSC	Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mohave and San Diego river basins. Inhabits slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
REPTILES				

Appendix A: Special-Status Animal Species with Potential to Occur on the Project Site.

Species	Status		Habitat Requirements ¹	Potential for Occurrence within the Project Site ¹
	Federal	State		
California glossy snake <i>Arizona elegans occidentalis</i>	--	CSC	Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California. Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.	Not Expected. Suitable habitat is not present on the Project Site. Soils present on site are fairly compact and highly disturbed. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Coast horned lizard <i>Phrynosoma blainvillii</i>	--	CSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Requires open areas for sunning, bushes for cover, patches of loose soil for refuge, and abundant supply of insects.	Not Expected. Suitable habitat is not present on the Project Site. Soils present on site are fairly compact and highly disturbed. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
coast patch-nosed snake <i>Salvadora hexalepis virgultea</i>	--	CSC	Brushy or shrubby vegetation in coastal Southern California. Require small mammal burrows for refuge and overwintering sites.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Coastal whiptail <i>Aspidoscelis tigris stejnegeri</i>	--	CSC	Found in deserts and semiarid areas with sparse chaparral vegetation and open areas. Also found in woodland and riparian areas. Ground may be firm soil, sandy, or rocky.	Not Expected. Suitable habitat is not present on the Project Site. Soils present on site are highly disturbed due to many historical years of farming on the Project Site, and vegetation present on site is primarily non-native. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Orange-throated whiptail <i>Aspidoscelis hyperythra</i>	--	WL	Inhabits low-elevation coastal scrub, chaparral, and valley-foothill hardwood habitats. Prefers washes and other sandy areas with patches of brush and rocks. Perennial plants necessary for its major food: termites.	Not Expected. Suitable habitat is not present on the Project Site. Soils present on site are fairly compact and highly disturbed. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Red-diamond rattlesnake <i>Crotalus ruber</i>	--	CSC	Inhabits chaparral, Mojavean Desert scrub, and Sonoran Desert scrub from coastal San Diego County to the eastern slopes of the mountains. Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks, or surface cover objects.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.

Appendix A: Special-Status Animal Species with Potential to Occur on the Project Site.

Species	Status		Habitat Requirements ¹	Potential for Occurrence within the Project Site ¹
	Federal	State		
San Diego banded gecko <i>Coleonyx variegatus abbotti</i>	--	CSC	Found in coastal and cismontane southern California. Inhabits granite or rocky outcrops in coastal scrub and chaparral habitats.	Not Expected. Suitable habitat is not present on the Project Site. No rocky outcrops or native vegetation associations are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Southern California legless lizard <i>Anniella stebbinsi</i>	--	CSC	Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County. Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.	Not Expected. Suitable habitat is not present on the Project Site. Soils present on site are fairly compact and with low moisture content. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Two-striped gartersnake <i>Thamnophis hammondi</i>	--	CSC	Found in marshes and swamps, riparian scrub, riparian woodlands, and wetlands. Occurs near permanent fresh water along streams with rocky beds and riparian growth.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
western pond turtle <i>Emys marmorata</i>	--	CSC	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
BIRDS				
Bell's sage sparrow <i>Artemisospiza belli belli</i>	--	WL	Nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
black swift <i>Cypseloides niger</i>	--	CSC	Coastal belt of Santa Cruz and Monterey counties; central & southern Sierra Nevada; San Bernardino & San Jacinto mountains.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.

Appendix A: Special-Status Animal Species with Potential to Occur on the Project Site.

Species	Status		Habitat Requirements ¹	Potential for Occurrence within the Project Site ¹
	Federal	State		
Burrowing owl <i>Athene cunicularia</i>	--	CSC	Inhabits open, dry annual or perennial grasslands, deserts and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel (<i>Otospermophilus beecheyi</i>).	Not Expected. Suitable habitat is not present on the Project Site. Developments, landscaping and other landuses that provide denser canopy cover preclude presence of this species, which is generally found in highly “open” areas. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
California black rail <i>Laterallus jamaicensis coturniculus</i>	--	ST, FP	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays. Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
California horned lark <i>Eremophila alpestris actia</i>	--	WL	Inhabits open areas, including short-grass prairies, “bald” hills, mountain meadows, open coastal plains, fallow grain fields, alkali flats.	Not Expected. Suitable habitat is not present on the Project Site. Developments and other landuses preclude presence of this species, which is generally found in highly “open” areas. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Coastal cactus wren <i>Campylorhynchus brunneicapillus sandiegensis</i>	FT	CSC	Southern California coastal sage scrub. Wrens require tall opuntia cactus for nesting and roosting.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Coastal California gnatcatcher <i>Polioptila californica californica</i>	FT	CSC	Obligate, permanent resident of coastal sage scrub below 2,500 feet in Southern California. Inhabits low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Cooper's hawk <i>Accipiter cooperii</i>	--	FP	Open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats. Eats mostly lagomorphs, ground squirrels, and mice. Population trends may follow lagomorph population cycles.	Not Expected. Suitable habitat is not present on the Project Site. Developments and other landuses preclude presence of this species, which is generally found in highly “open” areas. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.

Appendix A: Special-Status Animal Species with Potential to Occur on the Project Site.

Species	Status		Habitat Requirements ¹	Potential for Occurrence within the Project Site ¹
	Federal	State		
Golden eagle <i>Aquila chrysaetos</i>	--	FP, WL	Rolling foothills, mountain areas, sage-juniper flats, and desert. Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation and substrates present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Grasshopper sparrow <i>Ammodramus savannarum</i>	--	CSC	Dense grasslands on rolling hills, lowland plains, in valleys and on hillsides on lower mountain slopes. Favors native grasslands with a mix of grasses, forbs and scattered shrubs. Loosely colonial when nesting.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation and substrates present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Least Bell's vireo <i>Vireo bellii pusillus</i>	FE	SE	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms below 2,000 feet. Nests placed along margins of bushes or on twigs projecting into pathways (usually <i>Salix</i> spp., <i>Baccharis</i> spp., and <i>Prosopis</i> spp.).	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site, or in the immediate vicinity. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
long-eared owl <i>Asio otus</i>	--	CSC	Riparian bottomlands grown to tall willows and cottonwoods; also, belts of live oak paralleling stream courses.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site, or in the immediate vicinity. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Merlin <i>Falco columbarius</i>	--	WL	Open conifer woodland, prairie groves; in migration, also foothills, marshes, open country. Generally, breeds in semi-open terrain having trees for nest sites and open areas for hunting. May winter in more open areas, such as grasslands, coastal marshes.	Not Expected. Suitable habitat is not present on the Project Site. Developments and other landuses preclude presence of this species, which is generally found in highly "open" areas. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Southern California rufous-crowned sparrow <i>Aimophila ruficeps canescens</i>	--	WL	Resident in Southern California coastal sage scrub and sparse mixed chaparral. Frequents relatively steep, often rocky hillsides with grass and forb patches.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation and substrates present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.

Appendix A: Special-Status Animal Species with Potential to Occur on the Project Site.

Species	Status		Habitat Requirements ¹	Potential for Occurrence within the Project Site ¹
	Federal	State		
Southwestern willow flycatcher <i>Empidonax traillii extimus</i>	FE	SE	Inhabits riparian and wetland thickets, generally of willow (<i>Salix</i> spp.), tamarisk (<i>Tamarix</i> spp.), or both, sometimes boxelder (<i>Acer negundo</i>) or Russian olive (<i>Elaeagnus angustifolia</i>).	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site, or in the immediate vicinity. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Swainson's hawk <i>Buteo swainsoni</i>	--	ST	Occurs in Great Basin grassland, riparian forest, riparian woodland, valley and foothill grassland habitats. Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Tricolored blackbird <i>Agelaius tricolor</i>	--	CSC	Inhabits freshwater marsh, marsh and swamp, and wetland habitats. Highly colonial species, most numerous in Central Valley and vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few kilometers of the colony.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site, or in the immediate vicinity. Not observed during 2020 general biological field surveys. The species is not expected to occur on the Project Site.
Western yellow-billed cuckoo <i>Coccyzus americanus occidentalis</i>	FT	SE	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests in riparian jungles of willow (<i>Salix</i> spp.) often mixed with cottonwoods (<i>Populus</i> sp.), with lower story of blackberry (<i>Rubus</i> spp.), nettles (<i>Urtica</i> spp.), or wild grape (<i>Vitis girdiana</i>).	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site, or in the immediate vicinity. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
white-tailed kite <i>Elanus leucurus</i>	--	FP	Rolling foothills and valley margins with scattered oaks & river bottomlands or marshes next to deciduous woodland. Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.

Appendix A: Special-Status Animal Species with Potential to Occur on the Project Site.

Species	Status		Habitat Requirements ¹	Potential for Occurrence within the Project Site ¹
	Federal	State		
yellow rail <i>Coturnicops noveboracensis</i>	--	CSC	Summer resident in eastern Sierra Nevada in Mono County. Freshwater marshlands.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site, or in the immediate vicinity. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Yellow warbler <i>Setophaga petechia</i>	--	CSC	Occurs in riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site, or in the immediate vicinity. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Yellow-breasted chat <i>Icteria virens</i>	--	CSC	This summer resident is found riparian forest, riparian scrub, and riparian woodlands. Nests in thickets of willows and other brushy tangles near watercourses	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site, or in the immediate vicinity. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
MAMMALS				
American badger <i>Taxidea taxus</i>	--	CSC	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.	Not Expected. Suitable habitat is not present on the Project Site. Soils present on site are fairly compact and highly disturbed. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
big free-tailed bat <i>Nyctinomops macrotis</i>	--	CSC	Low-lying arid areas in Southern California. Need high cliffs or rocky outcrops for roosting sites. Feeds principally on large moths.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation and substrates present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
desert bighorn sheep <i>Ovis canadensis nelson</i>	--	FP	Widely distributed from the White Mtns in Mono Co. to the Chocolate Mts in Imperial Co.; Open, rocky, steep areas with available water and herbaceous forage.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation and substrates present on the Project Site would not support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.

Appendix A: Special-Status Animal Species with Potential to Occur on the Project Site.

Species	Status		Habitat Requirements ¹	Potential for Occurrence within the Project Site ¹
	Federal	State		
Los Angeles pocket mouse <i>Perognathus longimembris brevinasus</i>	--	CSC	Inhabits lower elevation grasslands and coastal sage communities in and around the Los Angeles Basin. Found in open ground with fine sandy soils. May not dig extensive burrows, hiding under weeds and dead leaves instead.	Not Expected. Suitable habitat is not present on the Project Site. Soils present on site are fairly compact and highly disturbed. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Northwestern San Diego pocket mouse <i>Chaetodipus fallax fallax</i>	--	CSC	Inhabits chaparral, coastal scrub, grasslands, and sagebrush habitats. Found in sandy, herbaceous areas, usually in association with rocks or coarse gravel.	Not Expected. Suitable habitat is not present on the Project Site. Soils present on site are fairly compact and highly disturbed. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Pallid bat <i>Antrozous pallidus</i>	--	CSC	Occurs in deserts, grasslands, shrublands, woodlands, and forests. Most common in open, dry habitats with rocky areas for roosting. Roosts must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.	Not Expected. Suitable habitat is not present on the Project Site. Developments and other landuses preclude presence of this species, which is generally found in highly “open” areas near rock outcrops that provide shade. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Pallid San Diego pocket mouse <i>Chaetodipus fallax pallidus</i>	--	CSC	Occurs in desert border areas in eastern San Diego County in desert wash, desert scrub, desert succulent scrub, pinyon-juniper, etc. Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation and soil types present on the project site do not correspond to those that are suitable for this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Pocketed free-tailed bat <i>Nyctinomops femorosaccus</i>	--	CSC	Inhabits a variety of arid areas in Southern California, including pine-juniper woodlands, desert scrub, palm oasis, desert wash, and desert riparian. Prefers rocky areas with high cliffs.	Not Expected. Suitable habitat is not present on the Project Site. No rocky areas with cliffs are present on the Project Site to support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
San Bernardino kangaroo rat <i>Dipodomys merriami parvus</i>	FE	CSC	Inhabits alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains.	Not Expected. Suitable habitat is not present on the Project Site. Soils present on site are fairly compact and highly disturbed, alluvial scrub vegetation is also not present. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.

Appendix A: Special-Status Animal Species with Potential to Occur on the Project Site.

Species	Status		Habitat Requirements ¹	Potential for Occurrence within the Project Site ¹
	Federal	State		
San Diego black-tailed jackrabbit <i>Lepus californicus bennettii</i>	--	CSC	Found in intermediate canopy stages of shrub habitats and open shrub/herbaceous and tree/herbaceous edges. Inhabits coastal sage scrub habitats in Southern California.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation types present on the project site do not correspond to those that are suitable for this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
San Diego desert woodrat <i>Neotoma lepida intermedia</i>	--	CSC	Inhabits coastal scrub of Southern California from San Diego County to San Luis Obispo County. Moderate to dense canopies preferred. They are particularly abundant in rock outcrops and rocky cliffs and slopes.	Not Expected. Suitable habitat is not present on the Project Site. No rocky areas with cliffs are present on the Project Site to support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Stephens' kangaroo rat <i>Dipodomys stephensi</i>	FE	ST	Inhabits primarily annual and perennial grasslands, but also occurs in coastal scrub and sagebrush with sparse canopy cover. Prefers buckwheat (<i>Eriogonum sp.</i>), chamise (<i>Adenostoma fasciculatum</i>), brome grass (<i>Bromus sp.</i>) and filaree (<i>Erodium sp.</i>). Will burrow into firm soil.	Not Expected. Suitable habitat is not present on the Project Site. Vegetation types present on the project site do not correspond to those that are suitable for this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Western mastiff bat <i>Eumops perotis californicus</i>	--	CSC	Inhabits many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, valley and foothill grasslands, and chaparral. Roosts in crevices in cliff faces, high buildings, trees, and tunnels.	Not Expected. Suitable habitat is not present on the Project Site. No rocky areas with cliffs are present on the Project Site to support this species. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.
Western yellow bat <i>Lasiurus xanthinus</i>	--	CSC	Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. Roosts in trees, particularly palms. Forages over water and among trees.	Not Expected. Suitable habitat is not present on the Project Site. No perennial or vernal mesic waters are present on the Project Site, or in the immediate vicinity. Not observed during 2021 general biological field surveys. The species is not expected to occur on the Project Site.

STATUS KEY:

Federal

FE: Federally-listed Endangered

FT: Federally-listed Threatened

FD: Federally-delisted

Appendix A: Special-Status Animal Species with Potential to Occur on the Project Site.

State

SE: State-listed Endangered

ST: State-listed Threatened

SC: State-listed Candidate

CSC: California Species of Special Concern

FP: Fully Protected

WL: State Watch List

¹ The potential for occurrence is based on occurrences recorded in the CDFW CNDDDB (2021) and CNPS (2021), knowledge of species requirements, and site inspections during 2021 field survey



MEMORANDUM OF UNDERSTANDING

TO: Michael Poland | CITY OF UPLAND
FROM: Bryan Crawford
DATE: May 10, 2021
SUBJECT: Memorial Park Traffic Study Scope
Project No. 19376

INTRODUCTION

The purpose of this scoping document is to outline the proposed traffic analysis parameters and assumptions for review/concurrence by City of Upland staff. The traffic impact analysis will be conducted using the guidelines within the City of Upland *Transportation Impact Analysis Guidelines* (July 2020).

PROJECT DESCRIPTION

The 40 -acre project site is located at 1200 East Foothill Boulevard in the City of Upland, California. The existing park is situated between Foothill Boulevard to the north and San Bernardino Avenue to the south, and by Grove Avenue to the east, and Hospital Parkway to the west. The site is approximately 1.25 miles north of Interstate 10 (I-10) and approximately 1.9 miles south of State Route 210 (SR-210). The proposed project involves upgrades/improvements to the existing park facilities as outlined in Exhibits A and B of the City's Request for Proposal, including new and/or restored playground equipment, parking areas, amphitheater, splash pad, basketball court and multi-sport play areas, picnic areas and shade structures, landscaping/bioretenion areas, trail systems and outdoor exercise areas, and lighting and security improvements. Vehicular access is proposed at Foothill Boulevard and San Bernardino Road.

Figure 1 shows the project location and proposed study intersections. The preliminary site plan is shown on Figure 2.

PROJECT TRIP GENERATION & DISTRIBUTION

Table 1 shows the project trip generation based upon existing traffic counts taken at the main park entrance on April 29, 2021 and factored to account for the COVID-19 pandemic. Table 1 explains the methodology used in determining the project trip generation for this project. It should be noted that the estimates are conservative and may overestimate actual traffic resulting from the project once it is renovated and fully operational.

As shown in Table 1, the proposed project is forecast to generate approximately 1,085 new daily trips, including 71 new trips during the AM peak hour and 153 new trips during the PM peak hour.

Project Trip Distributions

Figure 3 illustrates the forecast directional distribution patterns of project-generated trips based on review of the existing roadway facilities in the project vicinity and existing traffic counts.

STUDY AREA

The study area is proposed to consist of the following 6 study intersections that are key to providing project site access:

1. Campus Avenue at Foothill Boulevard
2. Hospital Parkway at Foothill Boulevard
3. Memorial Park Main Driveway at Foothill Boulevard
4. Alta Avenue at Foothill Boulevard
5. Grove Avenue at Foothill Boulevard
6. Grove Avenue at San Bernardino Road

TRAFFIC COUNTS

Due to abnormal traffic patterns associated with the COVID-19 pandemic, existing baseline traffic volumes shall be developed from historical traffic counts increased by two percent (2%) per year to estimate pre-pandemic year 2020 conditions for intersections #1, #4, and #5 as conducted in the *Foothill Self-Storage Mixed-Use Project Traffic Impact Analysis Report* by Linscott, Law & Greenspan Engineers (April 14, 2021) which was provided by City staff. Ganddini Group has obtained new intersection turning movement counts on a typical weekday (Tuesday, Wednesday, or Thursday) during the peak commute periods (7:00 - 9:00 AM and 4:00 - 6:00 PM) for intersections #2, #3, #5, and #6. The new count at intersection #5 has been compared to the historical count at this location and a PM peak hour adjustment factor of 5.56% will be applied to the study intersections where only new data is available. The AM peak hour was approximately -1% and thus no AM peak hour adjustment factor will be applied. Additional manual adjustments may be applied as appropriate to account for flow conservation and nearby major generators.

ANALYSIS SCENARIOS

The traffic study shall evaluate the following analysis scenarios for typical weekday AM and PM peak hour conditions:

- Existing
- Opening Year (2024) Without Project
- Opening Year (2024) With Project

LEVEL OF SERVICE ANALYSIS

A Level of Service analysis shall be performed for assessing General Plan operational compliance. In accordance with CEQA provisions, any Level of Service impacts identified are solely for General Plan compliance and would not constitute a significant impact under CEQA.

Signalized study intersections shall be analyzed using the Highway Capacity Manual methodology with the parameters as set forth within the City of Upland traffic study guidelines.

Intersection analysis shall be performed using the Vistro software.

Impact Criteria

According to *City of Upland General Plan Policy CIR-1.1c*, dated March 2015, “Strive to maintain LOS D at all intersections outside of the Downtown Specific Plan area and the Transit Priority Roadways except where such improvements are physically infeasible or would negatively impact bicyclists, pedestrians, or transit patrons.” Based on the above, LOS “D” is the minimum acceptable condition that should be maintained during the peak commute hours for City of Upland study intersections. Hence, any City of Upland intersection operating at LOS “E” or “F” is considered deficient/unsatisfactory.

If an intersection is operating at or is forecast to operate at a deficient LOS, the CMP guidelines have defined a series of steps to be completed to determine the Project’s contribution to the deficiency of intersections. The steps are as follows:

1. Determine the mitigation measures necessary to achieve an acceptable service level.
2. Calculate the Project’s share in the future traffic volume projections for the peak hours.
3. Estimate the cost to implement recommended mitigation measures.
4. Calculate the Project’s fair-share contribution to offset the project’s traffic impacts.

FORECASTING METHODOLOGY

To account for ambient growth and cumulative projects, existing roadway volumes shall be increased by a growth rate of two and a half percent (2.5%) per year over a three-year period for Opening Year (2024) conditions.

VEHICLES MILES TRAVELED (VMT) ANALYSIS

A VMT screening analysis based on City of Upland traffic study guidelines has been prepared for this project as a separate document.

CONCLUSION

We appreciate the opportunity to provide this scoping document for your review. Should you have any questions or comments regarding the proposed scope, please contact me at (714) 795-3100 x 106.

**Table 1
Project Trip Generation**

Existing Trip Generation ¹							
Land Use	AM Peak Hour			PM Peak Hour			Daily
	Trips		Total	Trips		Total	
	Inbound	Outbound		Inbound	Outbound		
Memorial Park Existing (Main Driveway)	15	12	27	31	27	58	--

Project Trips Generated ²							
Land Use	AM Peak Hour			PM Peak Hour			Daily ³
	Trips		Total	Trips		Total	
	Inbound	Outbound		Inbound	Outbound		
Memorial Park Proposed ⁴	39	32	71	82	71	153	1,085

Notes:

(1) AM/PM peak hour traffic counts conducted at main park entrance on Foothill Boulevard on April 29, 2021. PM peak hour turning movement volumes increased by 5.86% to account for COVID pandemic conditions. The AM/PM inbound/outbound trips are from this

(2) It is estimated based on the layout of the existing park including driveways and parking lots that approximately 38% of the existing traffic for the park uses the main park driveway on Foothill Boulevard. The remaining 62% of park traffic uses other driveways on Foothill Boulevard and San Bernardino Road. Therefore, the trips generated has been devised by dividing the trip total by 0.38 (ex: AM peak hour inbound: 15 inbound trips at main driveway / 0.38 = 39 total AM inbound park trips).

(3) ITE *Trip Generation Manual* (10th Edition, 2017) Land Use Code 411 (Public Park) provides AM peak hour, PM peak hour, and daily rates. However the sample size is small and the studies have a large range in rates since the limited studies range from low acreage parks to parks over 1,000 acres. Thus, the trip generation for this project is based on actual field data collected via a traffic count. In the absence of daily trip generation data, the ITE PM peak hour and daily rates have been compared. The PM peak hour rate is 0.11 and the daily rate is 0.78. Therefore the PM peak hour trip total has been factored by 7.09 (0.78 / 0.11) to calculate the daily rate for this project.

(4) The project trip generation is conservative and may overestimate actual traffic generated by the project, since it is not taking credit for the existing park generation from existing park facilities that will remain, but is projecting that park traffic will double from its current trip generation when renovations are in place. Much of the existing traffic is from existing facilities that will remain and thus a double counting of traffic occurs.



Legend

- # Study Intersection
- # Project Driveway

Figure 1
Project Location Map

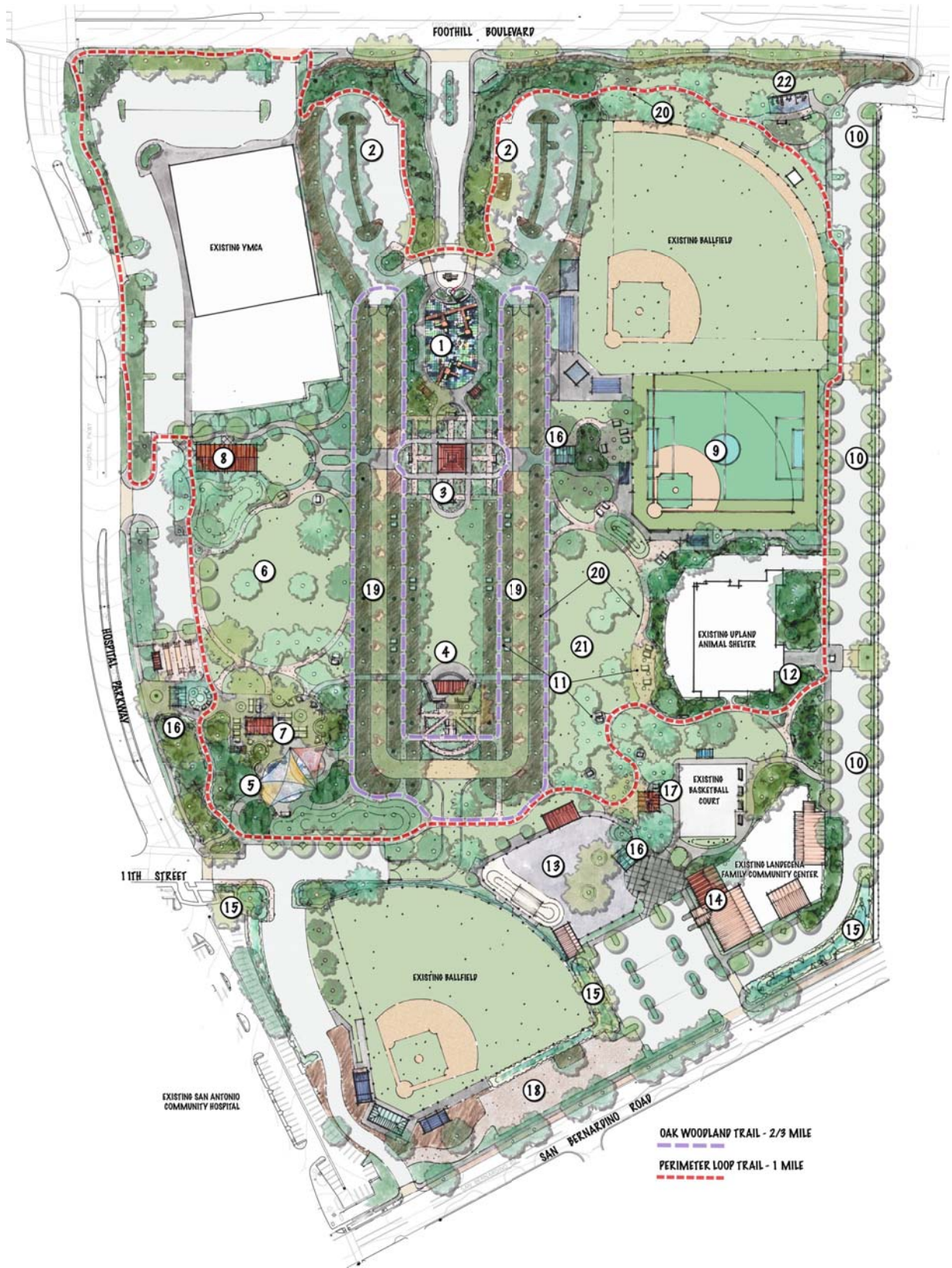


Figure 2
Site Plan



Legend
 ← 10% Percent To/From Project

Figure 3
Project Trip Distribution



May 7, 2021

Mr. Bob Prasse, Director of Environmental Services
MIG, INC.
1650 Spruce Street, Suite 102
Riverside, California 92507

RE: Memorial Park Project Vehicle Miles Traveled Screening Analysis
Project No.: 19376

Dear Mr. Prasse:

INTRODUCTION

Ganddini Group, Inc. is pleased to provide this Vehicle Miles Traveled Screening Analysis for the proposed Memorial Park Project. We trust the findings of this analysis will aid you and the City of Upland in assessing the project.

PROJECT DESCRIPTION

The project site is located 1200 East Foothill Boulevard in the City of Upland, California. The existing park is situated between Foothill Boulevard to the north and San Bernardino Avenue to the south, and by Grove Avenue to the east and Hospital Parkway to the west. The site is approximately 1.25 miles north of Interstate 10 (I-10) and approximately 1.9 miles south of State Route 210 (SR-210). The proposed project involves upgrades/improvements to the existing park facilities, including new and/or restored playground equipment, parking areas, amphitheater, splash pad, basketball court and multi-sport play areas, picnic areas and shade structures, landscaping/bioretention areas, trail systems and outdoor exercise areas, and lighting and security improvements. Figure 1 shows the project location map.

Vehicular access will continue to be provided to Foothill Boulevard via three access points and San Bernardino Road via two access points. The proposed project is anticipated to be renovated and fully operational by year 2023. Figure 2 illustrates the project site plan.

CRITERIA FOR THE PREPARATION OF VEHICLE MILES TRAVELED ANALYSIS

The project VMT impact has been assessed in accordance with guidance from the City of Upland *Traffic Impact Analysis Guidelines* (July 2020) ["the City TIA Guidelines"].

The City TIA Guidelines provide screening thresholds for certain types of projects that may be presumed to cause a less than significant VMT impact based on substantial evidence provided in the Office of Planning and Research (OPR) *Technical Advisory on Evaluating Transportation Impacts in CEQA* (December 2018).

The City TIA Guidelines provide the following three screening steps: 1) Transit Priority Area (TPA) Screening; 2) Low VMT Area Screening; and 3) Project Type Screening.

Transit Priority Area (TPA) Screening

Projects located within a TPA (half mile area around an existing major transit stop or an existing stop along a high-quality transit corridor) may be presumed to have a less than significant impact absent substantial evidence to the contrary. This presumption may not be appropriate if the project:

1. Has a Floor Area Ratio (FAR) of less than 0.75;
2. Includes more parking for use by residents, customers, or employees of the project than required by the jurisdiction (if the jurisdiction requires the project to supply parking);
3. Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Metropolitan Planning Organization); or
4. Replaces affordable residential units with a smaller number of moderate or high-income residential units.

The San Bernardino County Transportation Authority (SBCTA) VMT Screening Tool was used to determine if the project is located within a TPA. Although the possible exclusionary criteria were not evaluated, it is worth noting that the project site is located within a TPA based on the SBCTA VMT Screening Tool assessment.

Low VMT Area Screening

Residential and office projects located within a low VMT generating area may be presumed to have a less than significant impact absent substantial evidence to the contrary. In addition, other employment-related and mixed-use land use projects may qualify for the use of screening if the project can reasonably be expected to generate VMT per resident, per worker, or per service population (population plus employment) that is similar to the existing land uses in the low VMT area. A low VMT area is defined as an individual traffic analysis zone (TAZ) where the total daily Origin/Destination VMT per service population is lower than the City average total daily Origin/Destination VMT per service population.

The SBCTA VMT Screening Tool was used assess low VMT area screening for the project. The SBCTA VMT Screening Tool was developed using the SBTAM travel forecasting model to measure VMT performance for individual jurisdictions and for individual traffic analysis zones (TAZs) within the SBCTA region. TAZs are geographic polygons similar to census block groups used to represent areas of homogenous travel behavior. Total daily VMT per service population was estimated for each TAZ. This presumption may not be appropriate if the project land uses would alter the existing built environment in such a way as to increase the rate or length of vehicle trips.

The proposed project is consistent with existing land uses in the TAZ since the proposed project is renovating the existing park, and there does not appear to be anything unique about the project that would otherwise be mis-represented utilizing the data from the SBCTA VMT Screening Tool. In accordance with the City TIA Guidelines, a low VMT area is defined as a TAZ where the total daily Origin/Destination VMT per service population is lower than the City average total daily Origin/Destination VMT per service population. Exhibit A shows the SBCTA VMT Screening Tool results for the project site.

Although this screening criterion generally applies to residential and office projects only, the low VMT area screening was evaluated for the proposed project for informational purposes.

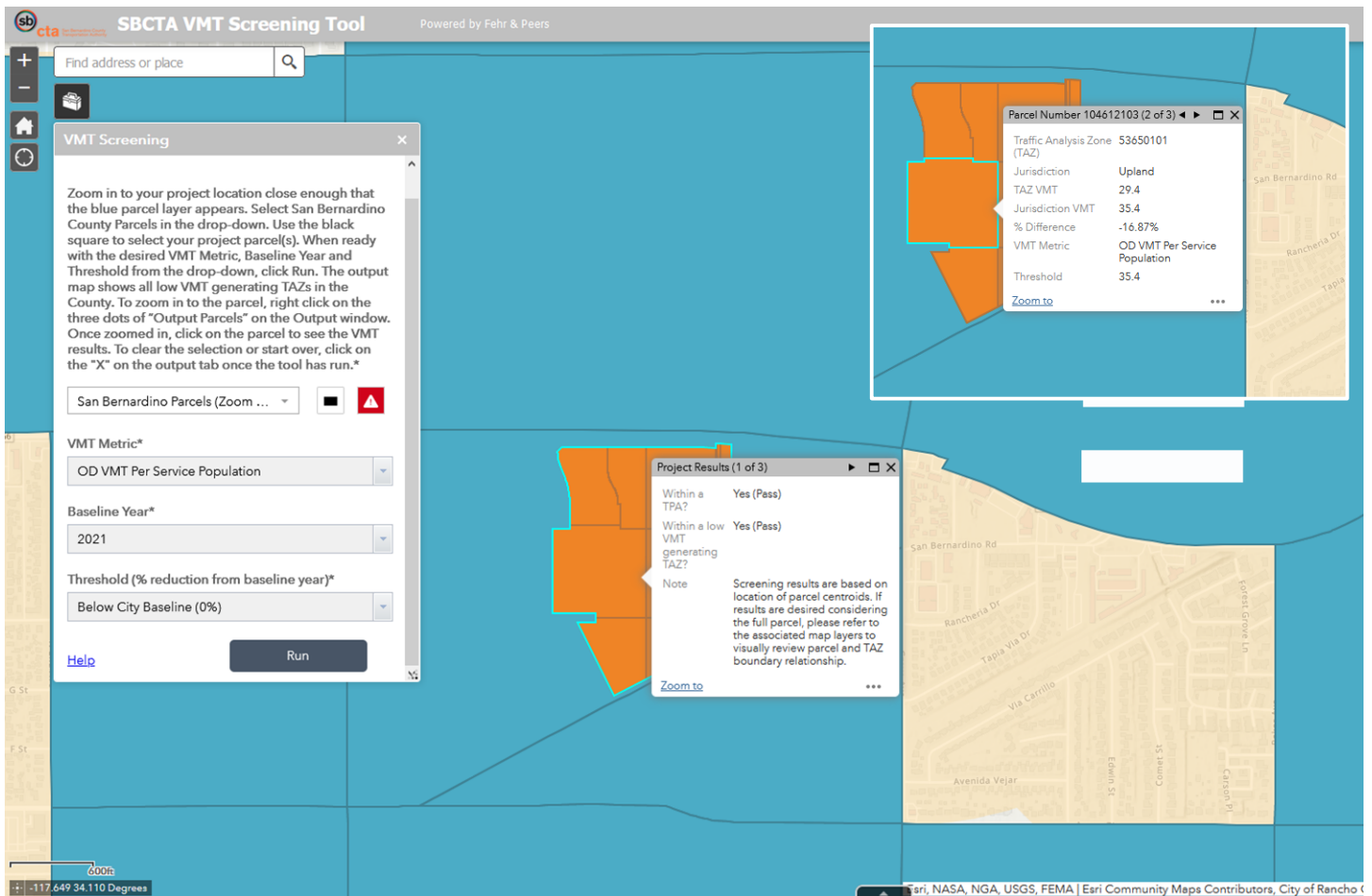


Exhibit A – SBCTA VMT Screening Tool Results for the Project

Based on the SBCTA VMT Screening Tool assessment, the proposed project is located within TAZ 53650101. The baseline (year 2021) project-generated VMT is equal to 29.4 VMT per service population. The City-established threshold is equal to 35.4 VMT per service population for City of Upland Baseline Year 2021. Therefore, the proposed project is located in a low VMT area.

Project Type Screening

Some project types have been identified as having the presumption of a less than significant impact as they are local serving by nature, or they are small enough to not warrant assessment.

Local serving retail projects less than 50,000 square feet may be presumed to have a less than significant impact absent substantial evidence to the contrary. Local serving retail generally improves the convenience of shopping close to home and has the effect of reducing vehicle travel.

Mr. Bob Prasse, Director of Environmental Services
MIG, INC.
May 7, 2021

The following additional uses can be presumed to have a less than significant impact absent substantial evidence to the contrary as their uses are local serving in nature or would generally satisfy CEQA categorical exemptions:

- Local parks
- Day care centers
- Local-serving retail uses less than 50,000 square feet, including:
 - Gas stations
 - Banks
 - Restaurants
 - Shopping Center
- Student housing projects on or adjacent to college campuses
- Local serving assembly uses (places of worship, community organizations)
- Community institutions (public libraries, fires stations, local government)
- Local serving community colleges that are consistent with the assumptions noted in the RTP/SCS
- Hotels (non-destination or resort; no banquet or special event space)
- Affordable or supportive housing
- Assisted living facilities
- Senior housing (as defined by HUD)
- Projects generating less than 250 daily vehicle trips. This generally corresponds to the following “typical” development potentials:
 - 26 single family housing units
 - 34 multi-family, condominiums, or townhouse housing units
 - 25,000 square feet of office
 - 50,000 square feet of light industrial
 - 143,000 square feet of warehousing
 - 178,000 square feet of high-cube transload and short-term storage warehouse

Any project that uses the designation of “local-serving” will be required to demonstrate that its users (employees, customers, visitors) would be existing within the community. As such, the project would not generate new “demand” for the project land uses, but the land use meets existing demand that would shorten the distance that residents, employees, customers, or visitors would otherwise travel.

For purposes of distinguishing between local and regional parks, local are parks are generally recognized as a park maintained by a municipality around 50 acres or less in which the majority of park patrons that utilize the park facilities are from the surrounding residential communities, whereas regional parks are often larger than 50 acres and are maintained by a County or regional parks district.

Since the proposed project is both City-maintained and less than 50 acres, the proposed project meets the generally accepted definition for a local park. Therefore, the proposed project satisfies the City-established project type screening for local parks and may be presumed to result in a less than significant VMT impact.

CONCLUSION

The proposed project satisfies the City-established project type screening for local parks and may be presumed to result in a less than significant VMT impact. In addition, the project is located in a TPA and low VMT area, which would further support a presumption of less than significant VMT impact.

Mr. Bob Prasse, Director of Environmental Services
MIG, INC.
May 7, 2021

We appreciate the opportunity to assist you on this project. Should you have any questions or if we can be of further assistance, please do not hesitate to call at (714) 795-3100 x 103.

Sincerely,

GANDDINI GROUP, INC.
Bryan Crawford | Senior Associate
Giancarlo Ganddini, PE, PTP | Principal





- Legend
- # Study Intersection
 - # Project Driveway

Figure 1
Project Location Map

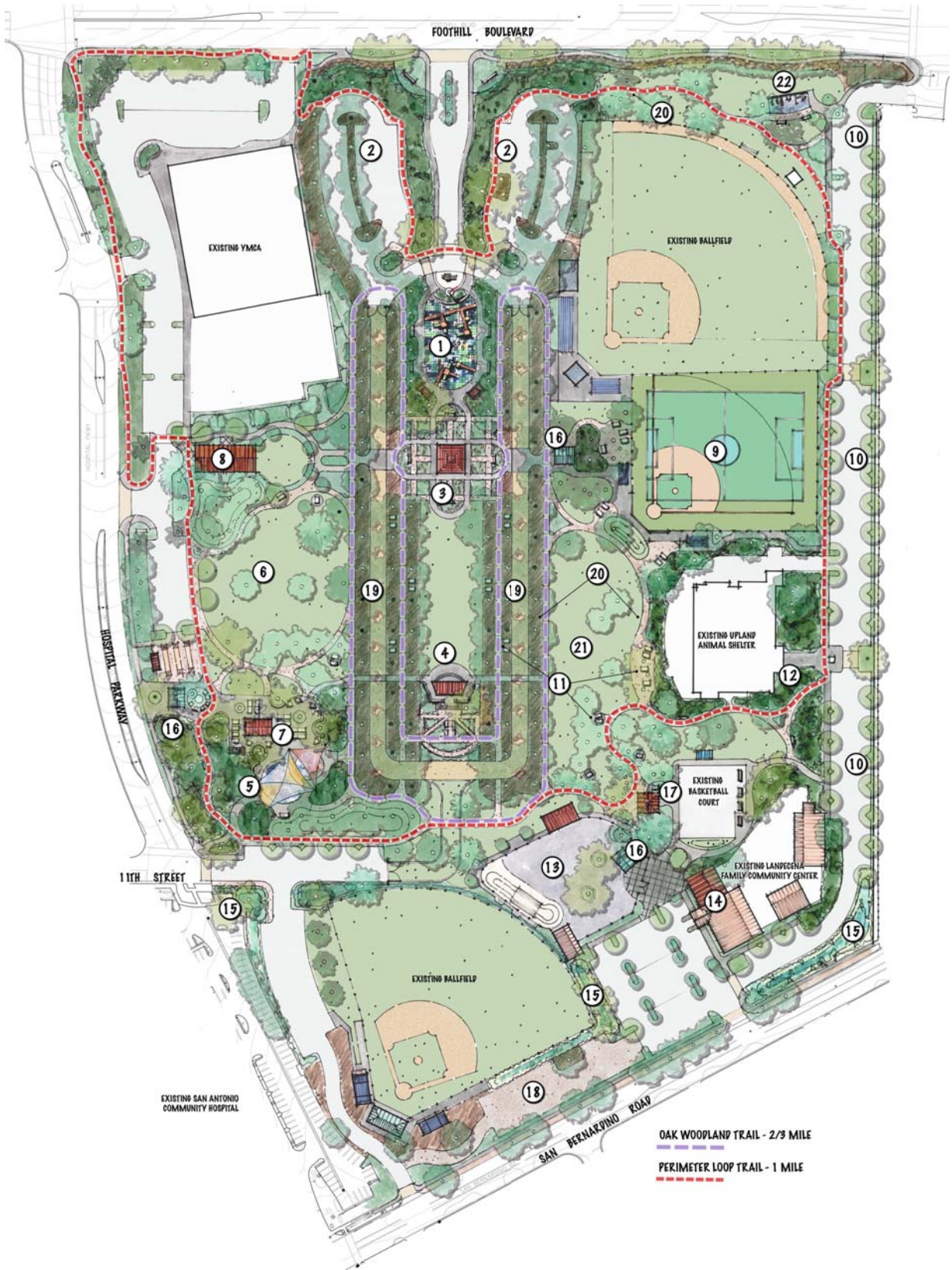


Figure 2
Site Plan





**DEVELOPMENT SERVICES DEPARTMENT
PLANNING DIVISION
Telephone (909) 931-4130
Facsimile (909) 931-4321**

May 3, 2021

San Manuel Band of Mission Indians
Cultural Resources Analyst
26569 Community Center Drive
Highland, CA 92346

Subject: Assembly Bill 52 Consultation: The Project consists of upgrades and improvements to Memorial Park located at 1200 E. Foothill Boulevard, Upland, California. Assessor's Parcel Numbers 1046-21-01, -03; 1046-131-03, -04, -10; and 1046-183-01.

Dear Cultural Resources Analyst:

Pursuant to California Assembly Bill (AB) 52, the City of Upland (City) is providing notification of the *Memorial Park Improvement Project* (hereafter referred to as the "Project"), located at 1200 E. Foothill Boulevard in the City of Upland, San Bernardino County, California. The project location, project description, and site map are on the following page. AB 52 requires local governments to consult with California Native American Tribes that request such consultation in writing. Considering tribal cultural, scientific, and archaeological values, the consultation process is intended to identify potential impacts to Tribal Cultural Resources (TCRs) and define appropriate mitigation prior to the release of a CEQA document for public review. At this time, the City is contacting those tribes that have expressed a desire to enter into consultation regarding projects within the City.

Pursuant to Public Resources Code Section 21083.1(d), if you wish to initiate consultation on this proposed project pursuant to AB 52, please send a consultation request in writing by e-mail or letter within thirty (30) days of receiving this notification to:

Mike Poland
Contract Planning Manager
City of Upland | Development Services Department
460 N. Euclid Avenue
Upland, CA 91786
(909) 931-4135
jmpoland@uplandca.gov

In your correspondence, please include the name and contact information of a designated lead contact person(s) for purposes of coordinating and conducting consultation. If you prefer to

meet with the City of Upland (Lead Agency) in person, please contact the party named above to arrange a meeting.

Pursuant to California Public Resources Code Section 65040.2, the City of Upland will protect the confidentiality of information supplied by the tribe concerning the specific identity, location, character, and use of Native American places, features, and objects.

Project Location

The site is located south of Foothill Boulevard, north of San Bernardino Road and east of Hospital Parkway. The project site is surrounded by single-family residential uses and San Antonio Hospital to the west, multi-family and commercial uses to the east, professional offices and single-family residential uses to the south and commercial uses to the north.

Project Description

The purpose of this Master Plan approval is to provide for a general approval of the proposed improvements to Memorial Park. While the underlying use will not change, the Master Plan includes multiple upgraded and new park amenities. This approval is not meant to be an approval for specific improvements, which may require approval of additional entitlements, building permits, grading permits or other permits needed to approve any particular improvement.

The project involves improvements to Memorial Park, including:

- New children's adventure playground.
- Reworked and reconstructed parking area at north side of the park.
- Rose garden improvements, including shade structure.
- Central greenbelt and outdoor amphitheater (existing amphitheater to be removed)
- New Splash Pad water play area.
- New open turf play area.
- Renovated Atwood Kitchen.
- New Multi-sport play field.
- Expanded parking area at east side of park.
- New picnic areas.
- New drought tolerant native plant garden at Animal Shelter and Landecena Community Center.
- Expansion of existing skate park for varied levels of experience.
- Expansion of Landecena Community Center.
- New bioswale and bio-retention zones for storm water collection and infiltration.
- Renovated restroom facilities.
- New shade structures.
- New permeable parking at existing ballfield.
- Restored oak-lined "Bridle Path."
- New decomposed granite exercise trail system and connection paths.
- Restored open turf play area with new picnic zones.
- New outdoor fitness court.
- Park wide improvements including landscaping, irrigation, LED lighting and security cameras.

The proposed improvements to the park will result in a design and layout that is centralized around the amphitheater and green belt. Walking paths will be provided throughout the park providing improved pedestrian connection. The site will see multiple upgraded and new park amenities as described above.

The City appreciates your attention to this process and looks forward to your response.

Very respectfully,

A handwritten signature in black ink, appearing to read "Mike Poland". The signature is fluid and cursive, with the first name "Mike" and last name "Poland" clearly distinguishable.

Mike Poland
Contract Planning Manager

Attachments:

1. Aerial Location Photo of Existing Memorial Park
2. Conceptual Improvement Plan Legend
3. Conceptual Improvement Plan



**DEVELOPMENT SERVICES DEPARTMENT
PLANNING DIVISION
Telephone (909) 931-4130
Facsimile (909) 931-4321**

May 3, 2021

Morongo Band of Mission Indians
Tribal Historic Preservation Officer
12700 Pumarra Road
Banning, CA 92220

Subject: Assembly Bill 52 Consultation: The Project consists of upgrades and improvements to Memorial Park located at 1200 E. Foothill Boulevard, Upland, California. Assessor's Parcel Numbers 1046-21-01, -03; 1046-131-03, -04, -10; and 1046-183-01.

Dear Tribal Historic Preservation Officer:

Pursuant to California Assembly Bill (AB) 52, the City of Upland (City) is providing notification of the *Memorial Park Improvement Project* (hereafter referred to as the "Project"), located at 1200 E. Foothill Boulevard in the City of Upland, San Bernardino County, California. The project location, project description, and site map are on the following page. AB 52 requires local governments to consult with California Native American Tribes that request such consultation in writing. Considering tribal cultural, scientific, and archaeological values, the consultation process is intended to identify potential impacts to Tribal Cultural Resources (TCRs) and define appropriate mitigation prior to the release of a CEQA document for public review. At this time, the City is contacting those tribes that have expressed a desire to enter into consultation regarding projects within the City.

Pursuant to Public Resources Code Section 21083.1(d), if you wish to initiate consultation on this proposed project pursuant to AB 52, please send a consultation request in writing by e-mail or letter within thirty (30) days of receiving this notification to:

Mike Poland
Contract Planning Manager
City of Upland | Development Services Department
460 N. Euclid Avenue
Upland, CA 91786
(909) 931-4135
jmpoland@uplandca.gov

In your correspondence, please include the name and contact information of a designated lead contact person(s) for purposes of coordinating and conducting consultation. If you prefer to

meet with the City of Upland (Lead Agency) in person, please contact the party named above to arrange a meeting.

Pursuant to California Public Resources Code Section 65040.2, the City of Upland will protect the confidentiality of information supplied by the tribe concerning the specific identity, location, character, and use of Native American places, features, and objects.

Project Location

The site is located south of Foothill Boulevard, north of San Bernardino Road and east of Hospital Parkway. The project site is surrounded by single-family residential uses and San Antonio Hospital to the west, multi-family and commercial uses to the east, professional offices and single-family residential uses to the south and commercial uses to the north.

Project Description

The purpose of this Master Plan approval is to provide for a general approval of the proposed improvements to Memorial Park. While the underlying use will not change, the Master Plan includes multiple upgraded and new park amenities. This approval is not meant to be an approval for specific improvements, which may require approval of additional entitlements, building permits, grading permits or other permits needed to approve any particular improvement.

The project involves improvements to Memorial Park, including:

- New children's adventure playground.
- Reworked and reconstructed parking are at north side of the park.
- Rose garden improvements, including shade structure.
- Central greenbelt and outdoor amphitheater (existing amphitheater to be removed)
- New Splash Pad water play area.
- New open turf play area.
- Renovated Atwood Kitchen.
- New Multi-sport play field.
- Expanded parking area at east side of park.
- New picnic areas.
- New drought tolerant native plant garden at Animal Shelter and Landecena Community Center.
- Expansion of existing skate park for varied levels of experience.
- Expansion of Landecena Community Center.
- New bioswale and bio-retention zones for storm water collection and infiltration.
- Renovated restroom facilities.
- New shade structures.
- New permeable parking at existing ballfield.
- Restored oak-lined "Bridle Path."
- New decomposed granite exercise trail system and connection paths.
- Restored open turf play area with new picnic zones.
- New outdoor fitness court.
- Park wide improvements including landscaping, irrigation, LED lighting and security cameras.

The proposed improvements to the park will result in a design and layout that is centralized around the amphitheater and green belt. Walking paths will be provided throughout the park providing improved pedestrian connection. The site will see multiple upgraded and new park amenities as described above.

The City appreciates your attention to this process and looks forward to your response.

Very respectfully,

A handwritten signature in black ink, appearing to read "Mike Poland", written in a cursive style.

Mike Poland
Contract Planning Manager

Attachments:

1. Aerial Location Photo of Existing Memorial Park
2. Conceptual Improvement Plan Legend
3. Conceptual Improvement Plan



**DEVELOPMENT SERVICES DEPARTMENT
PLANNING DIVISION
Telephone (909) 931-4130
Facsimile (909) 931-4321**

May 3, 2021

Andrew Salas
Gabrieleno Band of Mission Indians
P.O. Box 393
Covina, CA 91723

Subject: Assembly Bill 52 Consultation: The Project consists of upgrades and improvements to Memorial Park located at 1200 E. Foothill Boulevard, Upland, California. Assessor's Parcel Numbers 1046-21-01, -03; 1046-131-03, -04, -10; and 1046-183-01.

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Mike Poland
Contract Planning Manager

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From: Ryan Nordness <Ryan.Nordness@sanmanuel-nsn.gov>

Sent: Tuesday, May 11, 2021 4:31 PM

To: Michael Poland <mpoland@ci.upland.ca.us>

Subject: RE: AB52 Notice for the Memorial Park improvements, City of Upland, San Bernardino County, California

Hello Mike,

Thank you for contacting the San Manuel Band of Mission Indians (SMBMI) regarding the above referenced project. SMBMI appreciates the opportunity to review the project documentation, which was received by our Cultural Resources Management Department on May 7th, 2021, pursuant to CEQA (as amended, 2015) and CA PRC 21080.3.1. The proposed project area exists within Serrano ancestral territory and, therefore, is of interest to the Tribe.

Due to the nature and location of the proposed project, SMBMI respectfully requests the following for review upon availability:

- Cultural report
- Geotechnical report (if required for the project)
- Project plans showing the depth of proposed disturbance

The provision of this information will assist San Manuel Band of Mission Indians in ascertaining how the Tribe will assume consulting party status under CEQA and participate, moving forward, in project review and implementation. Please note that if this information cannot be provided within the Tribe's 30-day response window, the Tribe automatically elects to be a consulting party under CEQA, as stipulated in AB52. If you should have any questions with regard to this matter, please do not hesitate to contact me at your convenience, as I will be your Point of Contact (POC) for SMBMI with respect to this project.

Respectfully,
Ryan Nordness

Ryan Nordness

CULTURAL RESOURCE ANALYST

Email: Ryan.Nordness@sanmanuel-nsn.gov

O: (909) 864-8933 x50-2022

Internal: 50-2022

M: 909-838-4053

26569 Community Center Dr Highland California 92346

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