

Appendix A: Construction Emission Calculations

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Work Activity					Activity Production		
Primary Equipment Description	Estimated Horse-Power	Probable Fuel Type	Crews	Primary Equipment Quantity	Estimated Workforce	Estimated Schedule (Days)	Duration of Use (Hrs/Day)
Phase 0 - Mobilization/Utility Relocation							
MOBILIZATION/STAGING AREA							
4-Man Truck	195	Diesel	1	1	16	40	8
Maintenance Truck	195	Diesel	1	1		40	6
Air Compressor - 85 CFM	30	Diesel	1	4		40	4
Fork-Lift	95	Diesel	1	1		40	4
10-Ton Truck	200	Diesel	1	1		40	4
Welding Machines	50	Diesel	1	4		40	4
Light Towers	25	Diesel	1	4		40	4
Utility Relocation work							
4-Man Truck	195	Diesel	1	1	4	130	8
1-Ton Crew Cab, 4x4	325	Diesel	1	1		130	6
Excavator Cat - 330	266	Diesel	1	1		130	7
Loader 988F	430	Diesel	1	1		130	4

Tier 2 Emission Rates (g/bhp-hr)							Tier 2 Emissions (lb/day)							Total CO2e
CO	NOx	ROG	PM10	PM2.5	CO2	CH4	CO	NOx	ROG	PM10	PM2.5	CO2	CH4	Tons
2.16	0.24	0.04	0.11	0.04	330.80	0.02	3.82	0.42	0.08	0.19	0.07	583.44	0.04	11.68
2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	1.79
2.60	4.66	0.25	0.15	0.14	26.00	0.00	6.71	12.01	0.63	0.39	0.36	67.06	0.01	1.35
4.10	5.60	0.28	0.45	0.41	24.00	0.00	4.34	5.93	0.30	0.48	0.44	25.40	0.00	0.51
3.70	5.32	0.28	0.30	0.28	33.00	0.00	3.10	4.46	0.23	0.25	0.23	27.65	0.00	0.55
2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.59	8.21	0.43	0.26	0.24	45.86	0.01	0.92
3.70	5.60	0.28	0.30	0.28	24.00	0.00	6.53	9.88	0.49	0.53	0.49	42.33	0.01	0.85
4.10	5.60	0.28	0.45	0.41	24.00	0.00	3.62	4.94	0.25	0.40	0.37	21.16	0.00	0.42
2.16	0.24	0.04	0.11	0.04	330.80	0.02	0.95	0.11	0.02	0.05	0.02	145.86	0.01	9.49
2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	5.83
2.60	4.56	0.24	0.15	0.14	26.00	0.00	11.18	19.60	1.03	0.64	0.59	111.77	0.02	7.29
2.60	4.66	0.25	0.15	0.14	28.00	0.00	10.67	19.11	1.01	0.62	0.57	114.94	0.02	7.49
2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	8.16
Total Phase 0							83.23	133.96	7.07	5.40	4.85	1489.43	0.16	56.34

Phase - I: Intersections (1, 8, 9, 16, 19, and 25) & (L-2c)							
Earth/Road work							
4-Man Trucks (1-Ton)	195	Diesel	1	1	25	180	8
1-Ton Crew Cab, 4x4	325	Diesel	1	1		180	4
Scrapers 623F	365	Diesel	1	4		180	4
Excavator Cat - 330	266	Diesel	1	2		180	4
Loader 988F	430	Diesel	1	2		180	4
Grader 16H	297	Diesel	1	2		180	4
Roller\ 815(sheep-Foot)	232	Diesel	1	2		180	4
Bottom Dump Truck	380	Diesel	1	4		180	6
Water Truck (5000 Gal)	250	Diesel	1	1		180	4
Paving Machine	175	Diesel	1	1		180	10
Roller	130	Diesel	1	4		180	10
Oil Truck	325	Diesel	1	1		180	10
CIDH Pile							
4-Man Trucks (1-Ton)	195	Diesel	1	1	7	20	8
1-Ton Crew Cab, 4x4	325	Diesel	1	1		20	4
Crane RT (60 T)	350	Diesel	1	2		20	8
Loader 988F	430	Diesel	1	1		20	4
Truck/Trailer	325	Diesel	1	2		20	4
Garfield Bridge Widen							
4-Man Trucks (1-Ton)	195	Diesel	1	1	8	180	8
1-Ton Crew Cab, 4x4	325	Diesel	1	1		180	4
Crane (60 T)	350	Diesel	1	2		180	6
Loader 960F	200	Diesel	1	1		180	4
Excavator Cat - 330	266	Diesel	1	1		180	4
Trucks - Super 10	200	Diesel	1	2		180	4

Tier 2 Emission Rates (g/bhp-hr)							Tier 2 Emissions (lb/day)							Total CO2e
CO	NOx	ROG	PM10	PM2.5	CO2	CH4	CO	NOx	ROG	PM10	PM2.5	CO2	CH4	Tons
2.16	0.24	0.04	0.11	0.04	330.80	0.02	5.96	0.66	0.12	0.30	0.12	911.62	0.06	82.15
2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	8.07
2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	6.73
2.60	4.56	0.24	0.15	0.14	58.00	0.01	33.47	58.71	3.09	1.93	1.78	746.74	0.11	67.42
2.60	4.66	0.25	0.15	0.14	28.00	0.00	12.20	21.84	1.15	0.70	0.65	131.36	0.02	11.86
2.60	4.56	0.24	0.15	0.14	33.00	0.00	19.72	34.58	1.82	1.14	1.05	250.26	0.04	22.59
2.60	4.66	0.25	0.15	0.14	58.00	0.01	13.62	24.38	1.28	0.79	0.72	303.81	0.04	27.43
2.60	4.66	0.25	0.15	0.14	39.00	0.01	10.64	19.05	1.00	0.61	0.56	159.58	0.02	14.41
2.60	4.56	0.24	0.15	0.14	26.00	0.00	52.28	91.68	4.83	3.02	2.77	522.75	0.08	47.19
2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	5.17
2.60	4.66	0.25	0.15	0.14	39.00	0.01	10.03	17.96	0.95	0.58	0.53	150.46	0.02	13.58
2.60	4.66	0.25	0.15	0.14	39.00	0.01	29.81	53.36	2.81	1.72	1.58	447.09	0.07	40.36
2.60	4.56	0.24	0.15	0.14	26.00	0.00	18.63	32.67	1.72	1.07	0.99	186.29	0.03	16.82
2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.67	0.18	0.03	0.08	0.03	255.25	0.02	2.56
2.60	4.56	0.24	0.15	0.14	26.00	0.00	8.94	15.68	0.83	0.52	0.47	89.42	0.01	0.90
2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	0.75
2.60	4.56	0.24	0.15	0.14	39.00	0.01	32.10	56.30	2.96	1.85	1.70	481.48	0.07	4.83
2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	1.26
2.60	4.56	0.24	0.15	0.14	26.00	0.00	14.90	26.14	1.38	0.86	0.79	149.03	0.02	1.49
2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.91	0.21	0.04	0.09	0.04	291.72	0.02	26.29
2.60	4.56	0.24	0.15	0.14	26.00	0.00	8.94	15.68	0.83	0.52	0.47	89.42	0.01	8.07
2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	6.73
2.60	4.56	0.24	0.15	0.14	39.00	0.01	24.07	42.22	2.22	1.39	1.28	361.11	0.05	32.60
2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.59	8.04	0.42	0.26	0.24	58.20	0.01	5.25
2.60	4.66	0.25	0.15	0.14	28.00	0.00	6.10	10.92	0.57	0.35	0.32	65.68	0.01	5.93
2.60	4.56	0.24	0.15	0.14	26.00	0.00	9.17	16.08	0.85	0.53	0.49	91.71	0.01	8.28
Total Phase I							365.63	629.13	33.25	21.02	19.09	6238.40	0.80	468.72

Phase - II: Intersections (4, 5, 10, 11, 18, 20, 43, 44 and 45) & (L-2a, L-5, T-1,)							
Earth/Road Work - (SR-710 Connector)							
4-Man Trucks (1-Ton)	195	Diesel	1	1	21	280	8
1-Ton Crew Cab, 4x4	325	Diesel	1	1		280	6
Excavator Cat - 330	266	Diesel	1	2		280	8
Loader 960F	200	Diesel	1	2		280	8
Grader 16H	297	Diesel	1	2		280	8
Roller\ 815(sheep-Foot)	232	Diesel	1	2		280	8
Bottom Dump Truck	380	Diesel	1	4		280	8
Water Truck (5000 Gal)	250	Diesel	1	1		280	6
Paving Machine	175	Diesel	1	1		280	10
Roller	130	Diesel	1	4		280	10
Oil Truck	325	Diesel	1	1		280	10
Rail Work - Constrcut (2) Shoofly							
4-Man Truck	195	Diesel	1	1	13	130	8
Side Boom Truck (Freightliner)	275	Diesel	1	1		130	8
Forklift	95	Diesel	1	1		130	8
Generator	30	Diesel	1	2		130	8
Compressor	30	Diesel	1	4		130	8
Welding Machine	50	Diesel	1	4		130	8
CIDH Pile							
4-Man Trucks (1-Ton)	195	Diesel	1	1	7	40	8
1-Ton Crew Cab, 4x4	325	Diesel	1	1		40	8
Crane RT (60 T)	350	Diesel	1	2		40	8
Loader 960F	200	Diesel	1	1		40	6
Truck/Trailer	325	Diesel	1	2		40	8
Rail Road Bridge Sutructure							
					8	260	

Tier 2 Emission Rates (g/bhp-hr)							Tier 2 Emissions (lb/day)							Total CO2e
CO	NOx	ROG	PM10	PM2.5	CO2	CH4	CO	NOx	ROG	PM10	PM2.5	CO2	CH4	Tons
2.16	0.24	0.04	0.11	0.04	330.80	0.02	5.01	0.55	0.10	0.25	0.10	765.76	0.05	107.34
2.60	4.56	0.24	0.15	0.14	26.00	0.00	8.94	15.68	0.83	0.52	0.47	89.42	0.01	12.56
2.60	4.56	0.24	0.15	0.14	26.00	0.00	11.18	19.60	1.03	0.64	0.59	111.77	0	

4-Man Trucks (1-Ton)	195	Diesel	1	1	260	8	2.60	4.56	0.24	0.15	0.14	26.00	0.00	8.94	15.68	0.83	0.52	0.47	89.42	0.01	11.66
1-Ton Crew Cab, 4x4	325	Diesel	1	1	260	6	2.60	4.56	0.24	0.15	0.14	26.00	0.00	11.18	19.60	1.03	0.64	0.59	111.77	0.02	14.58
Crane (60 T)	350	Diesel	1	2	260	8	2.60	4.56	0.24	0.15	0.14	39.00	0.01	32.10	56.30	2.96	1.85	1.70	481.48	0.07	62.79
Loader 960F	200	Diesel	1	1	260	8	2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.17	16.08	0.85	0.53	0.49	116.40	0.02	15.18
Excavator Cat - 330	266	Diesel	1	1	260	6	2.60	4.66	0.25	0.15	0.14	28.00	0.00	9.15	16.38	0.86	0.53	0.49	98.52	0.01	12.85
Trucks - Super 10	200	Diesel	1	2	260	8	2.60	4.56	0.24	0.15	0.14	26.00	0.00	18.34	32.17	1.69	1.06	0.97	183.42	0.03	23.92
Ret wall					6	100	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	10.95
1-Ton Crew Cab, 4x4	195	Diesel	1	1	100	8	2.60	4.56	0.24	0.15	0.14	26.00	0.00	8.94	15.68	0.83	0.52	0.47	89.42	0.01	4.48
1-Ton Crew Cab, 4x4	325	Diesel	1	1	100	6	2.60	4.56	0.24	0.15	0.14	26.00	0.00	11.18	19.60	1.03	0.64	0.59	111.77	0.02	5.61
Excavator Cat - 330	266	Diesel	1	1	100	8	2.60	4.66	0.25	0.15	0.14	28.00	0.00	12.20	21.84	1.15	0.70	0.65	131.36	0.02	6.59
Loader 960F	200	Diesel	1	1	100	6	2.60	4.56	0.24	0.15	0.14	33.00	0.00	6.88	12.06	0.63	0.40	0.37	87.30	0.01	4.38
Crane RT (18 T)	155	Diesel	1	1	100	6	2.60	4.56	0.24	0.15	0.14	39.00	0.01	5.33	9.35	0.49	0.31	0.28	79.96	0.01	4.01
Concrete Mixer	300	Diesel	1	1	100	4	2.60	4.56	0.24	0.15	0.14	26.00	0.00	6.88	12.06	0.63	0.40	0.37	68.78	0.01	3.45
Total Phase II														547.98	934.59	49.28	32.63	29.68	8382.43	1.07	860.07

Phase - III: Intersections (2, 13, 14, 15, 22) & (L-3, T-3)																					
Earth/Road work					21	80	2.16	0.24	0.04	0.11	0.04	330.80	0.02	5.01	0.55	0.10	0.25	0.10	765.76	0.05	30.67
4-Man Trucks (1-Ton)	195	Diesel	1	1	80	8	2.60	4.56	0.24	0.15	0.14	26.00	0.00	8.94	15.68	0.83	0.52	0.47	89.42	0.01	3.59
1-Ton Crew Cab, 4x4	325	Diesel	1	1	80	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.49
Excavator Cat - 330	266	Diesel	1	2	80	4	2.60	4.66	0.25	0.15	0.14	28.00	0.00	12.20	21.84	1.15	0.70	0.65	131.36	0.02	5.27
Loader 960F	200	Diesel	1	2	80	4	2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.17	16.08	0.85	0.53	0.49	116.40	0.02	4.67
Grader 16H	297	Diesel	1	2	80	4	2.60	4.66	0.25	0.15	0.14	58.00	0.01	13.62	24.38	1.28	0.79	0.72	303.81	0.04	12.19
Roller\ 815(sheep-Foot)	232	Diesel	1	2	80	4	2.60	4.66	0.25	0.15	0.14	39.00	0.01	10.64	19.05	1.00	0.61	0.56	159.58	0.02	6.40
Bottom Dump Truck	380	Diesel	1	4	80	6	2.60	4.56	0.24	0.15	0.14	26.00	0.00	52.28	91.68	4.83	3.02	2.77	522.75	0.08	20.98
Water Truck (5000 Gal)	250	Diesel	1	1	80	4	2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	2.30
Paving Machine	175	Diesel	1	1	80	10	2.60	4.66	0.25	0.15	0.14	39.00	0.01	10.03	17.96	0.95	0.58	0.53	150.46	0.02	6.04
Roller	130	Diesel	1	4	80	10	2.60	4.66	0.25	0.15	0.14	39.00	0.01	29.81	53.36	2.81	1.72	1.58	447.09	0.07	17.94
Oil Truck	325	Diesel	1	1	80	10	2.60	4.56	0.24	0.15	0.14	26.00	0.00	18.63	32.67	1.72	1.07	0.99	186.29	0.03	7.47
Total Phase III														179.77	310.06	16.39	10.33	9.37	2967.50	0.37	119.01

[Phase - IV] Intersections (3, and 24) & (L-1, L-4, L-8, and T-2)																					
Earth/Road Work SR-110 Hook Ramps					21	180	2.16	0.24	0.04	0.11	0.04	330.80	0.02	5.01	0.55	0.10	0.25	0.10	765.76	0.05	69.01
4-Man Trucks (1-Ton)	195	Diesel	1	1	180	8	2.60	4.56	0.24	0.15	0.14	26.00	0.00	8.94	15.68	0.83	0.52	0.47	89.42	0.01	8.07
1-Ton Crew Cab, 4x4	325	Diesel	1	1	180	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	3.36
Excavator Cat - 330	266	Diesel	1	2	180	4	2.60	4.66	0.25	0.15	0.14	28.00	0.00	12.20	21.84	1.15	0.70	0.65	131.36	0.02	11.86
Loader 960F	200	Diesel	1	2	180	4	2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.17	16.08	0.85	0.53	0.49	116.40	0.02	10.51
Grader 16H	297	Diesel	1	2	180	4	2.60	4.66	0.25	0.15	0.14	58.00	0.01	13.62	24.38	1.28	0.79	0.72	303.81	0.04	27.43
Roller\ 815(sheep-Foot)	232	Diesel	1	2	180	4	2.60	4.66	0.25	0.15	0.14	39.00	0.01	10.64	19.05	1.00	0.61	0.56	159.58	0.02	14.41
Bottom Dump Truck	380	Diesel	1	4	180	6	2.60	4.56	0.24	0.15	0.14	26.00	0.00	52.28	91.68	4.83	3.02	2.77	522.75	0.08	47.19
Water Truck (5000 Gal)	250	Diesel	1	1	180	4	2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	5.17
Paving Machine	175	Diesel	1	1	180	10	2.60	4.66	0.25	0.15	0.14	39.00	0.01	10.03	17.96	0.95	0.58	0.53	150.46	0.02	13.58
Roller	130	Diesel	1	4	180	10	2.60	4.66	0.25	0.15	0.14	39.00	0.01	29.81	53.36	2.81	1.72	1.58	447.09	0.07	40.36
Oil Truck	325	Diesel	1	1	180	10	2.60	4.56	0.24	0.15	0.14	26.00	0.00	18.63	32.67	1.72	1.07	0.99	186.29	0.03	16.82
Construct Ret wall					5	170	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.19	0.13	0.02	0.06	0.02	182.32	0.01	15.52
1-Ton Crew Cab, 4x4	195	Diesel	1	1	170	8	2.60	4.56	0.24	0.15	0.14	26.00	0.00	8.94	15.68	0.83	0.52	0.47	89.42	0.01	7.62
Excavator Cat - 330	266	Diesel	1	1	170	6	2.60	4.66	0.25	0.15	0.14	28.00	0.00	9.15	16.38	0.86	0.53	0.49	98.52	0.01	8.40
Loader 960F	200	Diesel	1	1	170	4	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.59	8.04	0.42	0.26	0.24	58.20	0.01	4.96
Crane RT (18 T)	155	Diesel	1	1	170	7	2.60	4.56	0.24	0.15	0.14	39.00	0.01	6.22	10.91	0.57	0.36	0.33	93.29	0.01	7.95
Concrete Mixer	300	Diesel	1	1	170	4	2.60	4.56	0.24	0.15	0.14	26.00	0.00	6.88	12.06	0.63	0.40	0.37	68.78	0.01	5.86
Total Phase IV														216.74	373.27	19.74	12.45	11.30	3558.03	0.44	318.10

BRT - OPTION

Work Activity					Activity Production					Tier 2 Emission Rates (g/bhp-hr)							Tier 2 Emissions (lb/day)						Total CO2e	
Primary Equipment Description		Probable Fuel Type	Crews	Primary Equipment Quantity	Estimated Workforce	Estimated Schedule (Days)	Duration of Use (Hrs/Day)	Total Equip (Hours)	Estimated Production Per Day	CO	NOx	ROG	PM10	PM2.5	CO2	CH4	CO	NOx	ROG	PM10	PM2.5	CO2	CH4	Tons
MOBILIZATION/STAGING AREA					12	10				2.16	0.24	0.04	0.11	0.04	330.80	0.02	2.86	0.32	0.06	0.14	0.06	437.58	0.03	2.19
4-Man Truck	195	Diesel	1	1		10	6	60		2.60	4.66	0.25	0.15	0.14	26.00	0.00	6.71	12.01	0.63	0.39	0.36	67.06	0.01	0.34
Maintenance Truck	195	Diesel	1	1		10	4	40		2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.47	8.00	0.42	0.26	0.24	44.71	0.01	0.22
Air Compressor - 85 CFM	30	Diesel	1	2		10	2	40		4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.08	1.48	0.07	0.12	0.11	6.35	0.00	0.03
Fork-Lift	95	Diesel	1	1		10	2	20		3.70	5.32	0.28	0.30	0.28	33.00	0.00	1.55	2.23	0.12	0.13	0.12	13.82	0.00	0.07
10-Ton Truck	200	Diesel	1	1		10	4	40		2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.59	8.21	0.43	0.26	0.24	45.86	0.01	0.23
Welding Machines	50	Diesel	1	2		10	2	40		3.70	5.60	0.28	0.30	0.28	24.00	0.00	1.63	2.47	0.12	0.13	0.12	10.58	0.00	0.05
Light Towers	25	Diesel	1	4		10	2	80		4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.81	2.47	0.12	0.20	0.18	10.58	0.00	0.05
Utility work					5	80				2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.19	0.13	0.02	0.06	0.02	182.32	0.01	7.30
4-Man Truck	195	Diesel	1	1		80	8	640		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	3.59
1-Ton Crew Cab, 4x4	325	Diesel	1	1		80	4	320		2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	2.99
Bobcat S530 Skid Loader	49	Diesel	1	1		80	6	480		2.60	4.56	0.24	0.15	0.14	33.00	0.00	1.69	2.96	0.16	0.10	0.09	21.39	0.00	0.86
Backhoe Loader CAT 450F	127	Diesel	1	1		80	7	560		2.60	4.56	0.24	0.15	0.14	33.00	0.00	5.10	8.94	0.47	0.29	0.27	64.68	0.01	2.60
Super 10 Truck	200	Diesel	1	1		80	6	480		2.60	4.66	0.25	0.15	0.14	26.00	0.00	6.88	12.31	0.65	0.40	0.37	68.78	0.01	2.76
										Total Mobilization/Staging Area							55.94	90.60	4.81	3.42	3.04	1137.65	0.11	23.28
[Phase-1] (From Whittier Blvd to SR-60 FWY) - City of East LA																								
Earth/Road work					11	55				2.16	0.24	0.04	0.11	0.04	330.80	0.02	2.62	0.29	0.05	0.13	0.05	401.11	0.02	11.04
4-Man Trucks (1-Ton)	195	Diesel	1	1		55	8	440		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.47
1-Ton Crew Cab, 4x4	325	Diesel	1	1		55	4	220		2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.45	13.34	0.70	0.43	0.40	74.51	0.01	2.06
Bobcat S530 Skid Loader	40	Diesel	1	1		55	7	385		2.60	4.56	0.24	0.15	0.14	33.00	0.00	1.60	2.81	0.15	0.09	0.09	20.37	0.00	0.56
Backhoe Loader CAT 450F	127	Diesel	1	1		55	7	385		2.60	4.56	0.24	0.15	0.14	33.00	0.00	5.10	8.94	0.47	0.29	0.27	64.68	0.01	1.78
CAT CS 44 Steel Drum Roller	100	Diesel	1	1		55	4	220		2.60	4.66	0.25	0.15	0.14	39.00	0.01	2.29	4.10	0.22	0.13	0.12	34.39	0.01	0.95
Super 10 Truck	200	Diesel	1	2		55	7	770		2.60	4.66	0.25	0.15	0.14	26.00	0.00	16.05	28.73	1.51	0.93	0.85	160.49	0.02	4.43
Water Truck (5000 Gal)	250	Diesel	1	1		55	4	220		2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	1.58
CAT PS150C Pneumatic Roller	100	Diesel	1	1		55	4	40		2.60	4.66	0.25	0.15	0.14	39.00	0.01	2.29	4.10	0.22	0.13	0.12	34.39	0.01	0.95
CAT Roller CB22 (Small steel drum)	33	Diesel	1	1		55	4	40		2.60	4.66	0.25	0.15	0.14	39.00	0.01	0.76	1.35	0.07	0.04	0.04	11.35	0.00	0.31
Oil Truck	250	Diesel	1	1		55	4	40		2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	1.58
Construct New Bus Stations					6	25				2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	2.74
4-Man Truck	195	Diesel	1	1		25	8	200		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	1.12
1-Ton Crew Cab, 4x4	325	Diesel	1	1		25	4	100		2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.45	13.34	0.70	0.43	0.40	74.51	0.01	0.93
Side Boom Truck (Freightliner)	275	Diesel	1	1		25	6	150		2.60	4.66	0.25	0.15	0.14	26.00	0.00	9.46	16.93	0.89	0.55	0.50	94.58	0.01	1.19
Generator	30	Diesel	1	1		25	6	150		4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.63	2.22	0.11	0.18	0.16	9.52	0.00	0.12
Compressor	30	Diesel	1	1		25	4	100		4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.08	1.48	0.07	0.12	0.11	6.35	0.00	0.08
Welding Machine	50	Diesel	1	1		25	4	100		3.70	5.60	0.28	0.30	0.28	24.00	0.00	1.63	2.47	0.12	0.13	0.12	10.58	0.00	0.13
										Total Phase 1							90.20	152.83	8.09	5.35	4.82	1509.11	0.17	34.02
[Phase-II] (From SR-60 FWY to SR-10 FWY) - City of Monterey Park																								
Earth/Road Work					11	80				2.16	0.24	0.04	0.11	0.04	330.80	0.02	2.62	0.29	0.05	0.13	0.05	401.11	0.02	16.06
4-Man Trucks (1-Ton)	195	Diesel	1	1		80	8	640		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	3.59
1-Ton Crew Cab, 4x4	325	Diesel	1	1		80	4	320		2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.45	13.34	0.70	0.43	0.40	74.51	0.01	2.99
Bobcat S530 Skid Loader	40	Diesel	1	1		80	7	560		2.60	4.56	0.24	0.15	0.14	33.00	0.00	1.60	2.81	0.15	0.09	0.09	20.37	0.00	0.82
Backhoe Loader CAT 450F	127	Diesel	1	1		80	7	560		2.60	4.56	0.24	0.15	0.14	33.00	0.00	5.10	8.94	0.47	0.29	0.27	64.68	0.01	2.60
CAT CS 44 Steel Drum Roller	100	Diesel	1	1		80	4	320		2.60	4.66	0.25	0.15	0.14	39.00	0.01	2.29	4.10	0.22	0.13	0.12	34.39	0.01	1.38
Super 10 Truck	200	Diesel	1	2		80	7	1120		2.60	4.66	0.25	0.15	0.14	26.00	0.00	16.05	28.73	1.51	0.93	0.85	160.49	0.02	6.44
Water Truck (5000 Gal)	250	Diesel	1	1		80	4	320		2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	2.30
CAT PS150C Pneumatic Roller	100	Diesel	1	1		80	4	40		2.60	4.66	0.25	0.15	0.14	39.00	0.01	2.29	4.10	0.22	0.13	0.12	34.39	0.01	1.38
CAT Roller CB22 (Small steel drum)	33	Diesel	1	1		80	4	40		2.60	4.66	0.25	0.15	0.14	39.00	0.01	0.76	1.35	0.07	0.04	0.04	11.35	0.00	0.46
Oil Truck	250	Diesel	1	1		80	4	40		2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	2.30
Construct New Bus Stations					6	25				2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	2.74
4-Man Truck	195	Diesel	1	1		25	8	200		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	1.12
1-Ton Crew Cab, 4x4	325	Diesel	1	1		25	4	100		2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.45	13.34	0.70	0.43	0.40	74.51	0.01	0.93
Side Boom Truck (Freightliner)	275	Diesel	1	1		25	6	150		2.60	4.66	0.25	0.15	0.14	26.00	0.00	9.46	16.93	0.89	0.55	0.50	94.58	0.01	1.19
Generator	30	Diesel	1	1		25	6	150		4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.63	2.22	0.11	0.18	0.16	9.52	0.00	0.12
Compressor	30	Diesel	1	1		25	4	100		4.10	5.60	0.28	0.45	0.41	24.00	0.00								

BRT - OPTION

Work Activity					Activity Production					Tier 2 Emission Rates (g/bhp-hr)							Tier 2 Emissions (lb/day)						Total CO2e	
Primary Equipment Description		Probable Fuel Type	Crews	Primary Equipment Quantity	Estimated Workforce	Estimated Schedule (Days)	Duration of Use (Hrs/Day)	Total Equip (Hours)	Estimated Production Per Day	CO	NOx	ROG	PM10	PM2.5	CO2	CH4	CO	NOx	ROG	PM10	PM2.5	CO2	CH4	Tons
CAT Roller CB22 (Small steel drum)	33	Diesel	1	1		65	4	40		2.60	4.66	0.25	0.15	0.14	39.00	0.01	0.76	1.35	0.07	0.04	0.04	11.35	0.00	0.37
Oil Truck	250	Diesel	1	1		65	4	40		2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	1.87
Construct New Bus Stations					6	25				2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	2.74
4-Man Truck	195	Diesel	1	1		25	8	200		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	1.12
1-Ton Crew Cab, 4x4	325	Diesel	1	1		25	4	100		2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.45	13.34	0.70	0.43	0.40	74.51	0.01	0.93
Side Boom Truck (Freightliner)	275	Diesel	1	1		25	6	150		2.60	4.66	0.25	0.15	0.14	26.00	0.00	9.46	16.93	0.89	0.55	0.50	94.58	0.01	1.19
Generator	30	Diesel	1	1		25	6	150		4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.63	2.22	0.11	0.18	0.16	9.52	0.00	0.12
Compressor	30	Diesel	1	1		25	4	100		4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.08	1.48	0.07	0.12	0.11	6.35	0.00	0.08
Welding Machine	50	Diesel	1	1		25	4	100		3.70	5.60	0.28	0.30	0.28	24.00	0.00	1.63	2.47	0.12	0.13	0.12	10.58	0.00	0.13
										Total Phase 3							90.20	152.83	8.09	5.35	4.82	1509.11	0.17	39.06
[Phase - IV] (From Huntington Dr to Del Mar Blvd) - City of South Pasadena																								
Earth/Road Work					11	60				2.16	0.24	0.04	0.11	0.04	330.80	0.02	2.62	0.29	0.05	0.13	0.05	401.11	0.02	12.05
4-Man Trucks (1-Ton)	195	Diesel	1	1		60	8	480		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.69
1-Ton Crew Cab, 4x4	325	Diesel	1	1		60	4	240		2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.45	13.34	0.70	0.43	0.40	74.51	0.01	2.24
Bobcat S530 Skid Loader	40	Diesel	1	1		60	7	420		2.60	4.56	0.24	0.15	0.14	33.00	0.00	1.60	2.81	0.15	0.09	0.09	20.37	0.00	0.61
Backhoe Loader CAT 450F	127	Diesel	1	1		60	7	420		2.60	4.56	0.24	0.15	0.14	33.00	0.00	5.10	8.94	0.47	0.29	0.27	64.68	0.01	1.95
CAT CS 44 Steel Drum Roller	100	Diesel	1	1		60	4	240		2.60	4.66	0.25	0.15	0.14	39.00	0.01	2.29	4.10	0.22	0.13	0.12	34.39	0.01	1.03
Super 10 Truck	200	Diesel	1	2		60	7	840		2.60	4.66	0.25	0.15	0.14	26.00	0.00	16.05	28.73	1.51	0.93	0.85	160.49	0.02	4.83
Water Truck (5000 Gal)	250	Diesel	1	1		60	4	240		2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	1.72
CAT PS150C Pneumatic Roller	100	Diesel	1	1		60	4	40		2.60	4.66	0.25	0.15	0.14	39.00	0.01	2.29	4.10	0.22	0.13	0.12	34.39	0.01	1.03
CAT Roller CB22 (Small steel drum)	33	Diesel	1	1		60	4	40		2.60	4.66	0.25	0.15	0.14	39.00	0.01	0.76	1.35	0.07	0.04	0.04	11.35	0.00	0.34
Oil Truck	250	Diesel	1	1		60	4	40		2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	1.72
Construct New Bus Stations					6	25				2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	2.74
4-Man Truck	195	Diesel	1	1		25	8	200		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	1.12
1-Ton Crew Cab, 4x4	325	Diesel	1	1		25	4	100		2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.45	13.34	0.70	0.43	0.40	74.51	0.01	0.93
Side Boom Truck (Freightliner)	275	Diesel	1	1		25	6	150		2.60	4.66	0.25	0.15	0.14	26.00	0.00	9.46	16.93	0.89	0.55	0.50	94.58	0.01	1.19
Generator	30	Diesel	1	1		25	6	150		4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.63	2.22	0.11	0.18	0.16	9.52	0.00	0.12
Compressor	30	Diesel	1	1		25	4	100		4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.08	1.48	0.07	0.12	0.11	6.35	0.00	0.08
Welding Machine	50	Diesel	1	1		25	4	100		3.70	5.60	0.28	0.30	0.28	24.00	0.00	1.63	2.47	0.12	0.13	0.12	10.58	0.00	0.13
Ret wall					5	60				2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.19	0.13	0.02	0.06	0.02	182.32	0.01	5.48
1-Ton Crew Cab, 4x4	195	Diesel	1	1		60	8	480		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.69
1-Ton Crew Cab, 4x4	325	Diesel	1	1		60	2	120		2.60	4.66	0.25	0.15	0.14	26.00	0.00	3.73	6.67	0.35	0.21	0.20	37.26	0.01	1.12
Excavator Cat - 330	266	Diesel	1	1		60	6	360		2.60	4.66	0.25	0.15	0.14	28.00	0.00	9.15	16.38	0.86	0.53	0.49	98.52	0.01	2.96
Loader 960F	200	Diesel	1	1		60	2	120		2.60	4.56	0.24	0.15	0.14	33.00	0.00	2.29	4.02	0.21	0.13	0.12	29.10	0.00	0.88
Crane RT (18 T)	155	Diesel	1	1		60	6	360		3.70	4.66	0.25	0.22	0.20	39.00	0.01	7.59	9.54	0.50	0.45	0.41	79.96	0.01	2.41
										Total Phase 4							123.08	205.59	10.88	7.25	6.53	2025.69	0.23	52.08
[Phase-V] (From Del Mar Blvd to Colorado Blvd) - City of Pasadena																								
Earth/Road Work					6	20				2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	2.19
4-Man Trucks (1-Ton)	195	Diesel	1	1		20	8	160		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	0.90
1-Ton Crew Cab, 4x4	325	Diesel	1	1		20	4	80		2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.45	13.34	0.70	0.43	0.40	74.51	0.01	0.75
Backhoe Loader CAT 450F	127	Diesel	1	1		20	7	140		2.60	4.56	0.24	0.15	0.14	33.00	0.00	5.10	8.94	0.47	0.29	0.27	64.68	0.01	0.65
Bobcat S530 Skid Loader	49	Diesel	1	1		20	6	120		2.60	4.56	0.24	0.15	0.14	33.00	0.00	1.69	2.96	0.16	0.10	0.09	21.39	0.00	0.21
Super 10 Truck	200	Diesel	1	1		20	6	120		2.60	4.66	0.25	0.15	0.14	26.00	0.00	6.88	12.31	0.65	0.40	0.37	68.78	0.01	0.69
Water Truck (5000 Gal)	250	Diesel	1	1		20	4	80		2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	0.57
Construct New Bus Stations					6	55				2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	6.02
4-Man Truck	195	Diesel	1	1		55	8	440		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.47
1-Ton Crew Cab, 4x4	325	Diesel	1	1		55	4	220		2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.45	13.34	0.70	0.43	0.40	74.51	0.01	2.06
Side Boom Truck (Freightliner)	275	Diesel	1	1		55	6	330		2.60	4.66	0.25	0.15	0.14	26.00	0.00	9.46	16.93	0.89	0.55	0.50	94.58	0.01	2.61
Generator	30	Diesel	1	1		55	6	330		4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.63	2.22	0.11	0.18	0.16	9.52	0.00	0.26
Compressor	30	Diesel	1	1		55	4	220		4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.08	1.48	0.07	0.12	0.11	6.35	0.00	0.18
Welding Machine	50	Diesel	1	1		55	4	220		3.70	5.60	0.28	0.30	0.28	24.00	0.00	1.63	2.47	0.12	0.13	0.12	10.58	0.00	0.29
										Total Phase 5							68.84	116.						

**Construction Emission
(LRT Tunnel OPTION)**

Work Activity					Activity Production				
Primary Equipment Description	Estimated Horse-Power	Probable Fuel Type	Crew's	Primary Equipment Quantity	Estimated Workforce	Estimated Schedule (Days)	Duration of Use (Hrs/Day)	Total Equip (Hours)	Estimated Production Per Day
MOBILIZATION/STAGING AREA					16	66			
4-Man Truck	195	Diesel	1	1	66		8	528	
Maintenance Truck	195	Diesel	1	1	66		4	264	
Air Compressor - 85 CFM	30	Diesel	1	4	66		4	1056	
Fork-Lift	95	Diesel	1	1	66		4	264	
10-Ton Truck	200	Diesel	1	1	66		4	264	
Welding Machines	50	Diesel	1	4	66		4	1056	
Light Towers	50	Diesel	1	4	66		4	1056	
Utility Relocation work					5	132			
4-Man Truck	195	Diesel	1	1	132		6	792	
1-Ton Crew Cab, 4x4	325	Diesel	1	1	132		4	528	
Excavator Cat - 330	266	Diesel	1	1	132		6	792	
Loader 988F	430	Diesel	1	1	132		4	528	
Concrete Mixer	80	Diesel	1	1	132		2	264	
AERIAL STRUCTURE (AS) Include - Aerial Structures (1, 2, and 3)									
Earth Work					19	255			
4-Man Trucks (1-Ton)	195	Diesel	1	1	255		8	2036	
1-Ton Crew Cab, 4x4	325	Diesel	1	1	255		4	1018	
Scrapers 623F	365	Diesel	1	4	255		8	8145	
Excavator Cat - 330	266	Diesel	1	2	255		4	2036	
Loader 988F	430	Diesel	1	2	255		4	2036	
Grader 16H	297	Diesel	1	2	255		8	4073	
Roller\ 815(sheep-Foot)	232	Diesel	1	2	255		8	4073	
Bottom Dump Truck	380	Diesel	1	4	255		8	8145	
Water Truck (5000 Gal)	250	Diesel	1	1	255		6	1527	
CIDH Pile - Bridge Foundations					7	396			
4-Man Trucks (1-Ton)	195	Diesel	2	1	396		8	6336	
1-Ton Crew Cab, 4x4	325	Diesel	2	1	396		2	1584	
Crane RT (120 T)	420	Diesel	2	2	396		8	12672	
Loader 988F	430	Diesel	2	1	396		2	1584	
Truck/Trailer	325	Diesel	2	2	396		4	6336	
Bridge Substructure/Superstructure					8	1755			
4-Man Trucks (1-Ton)	195	Diesel	2	1	1755		8	28072	
1-Ton Crew Cab, 4x4	325	Diesel	2	1	1755		2	7018	
Crane (60 T)	350	Diesel	2	2	1755		6	42108	
Loader 988F	430	Diesel	2	1	1755		2	7018	
Excavator Cat - 330	266	Diesel	2	1	1755		2	7018	
Trucks - Super 10	200	Diesel	2	2	1755		4	28072	
AT GRADE STRUCTURES Sections (1,2, and 3), S. Portal, and SR-710 Ramp									
Earth Work					19	484			
4-Man Trucks (1-Ton)	195	Diesel	1	1	484		8	3872	
1-Ton Crew Cab, 4x4	325	Diesel	1	1	484		4	1936	
Scrapers 623F	365	Diesel	1	4	484		7	13552	
Excavator Cat - 330	266	Diesel	1	2	484		4	3872	
Loader 988F	430	Diesel	1	2	484		4	3872	
Grader 16H	297	Diesel	1	2	484		4	3872	
Roller\ 815(sheep-Foot)	232	Diesel	1	2	484		4	3872	
Bottom Dump Truck	380	Diesel	1	4	484		6	11616	
Water Truck (5000 Gal)	250	Diesel	1	1	484		4	1936	
Construct Ret wall/MSE wall					6	726			
1-Ton Crew Cab, 4x4	195	Diesel	1	1	726		8	5808	
1-Ton Crew Cab, 4x4	325	Diesel	1	1	726		4	2904	
Excavator Cat - 330	266	Diesel	1	1	726		6	4356	
Loader 988F	430	Diesel	1	1	726		4	2904	
Crane RT (18 T)	155	Diesel	1	1	726		6	4356	
Concrete Mixer	300	Diesel	1	1	726		4	2904	
Construct Cal State Platform					15	352			
4-Man Truck	195	Diesel	1	1	352		8	2816	
Backhoe Cat-420	101	Diesel	1	1	352		4	1408	
Forklift	95	Diesel	1	1	352		4	1408	
Trucks 10-Wheeler	200	Diesel	1	2	352		4	2816	
Generator	30	Diesel	1	2	352		2	1408	
Welding Machine	50	Diesel	1	4	352		2	2816	
Compressor	30	Diesel	1	4	352		2	2816	
Valley Blvd Bridge					8	396			
4-Man Trucks (1-Ton)	195	Diesel	1	1	396		8	3168	
1-Ton Crew Cab, 4x4	325	Diesel	1	1	396		6	2376	
Crane (120 T)	450	Diesel	1	2	396		6	4752	
Loader 988F	430	Diesel	1	1	396		4	1584	
Excavator Cat - 330	266	Diesel	2	1	396		4	3168	

Tier 2 Emission Rates (g/bhp-hr)							Tier 2 Emissions (lb/day)							Total CO2e									
CO	NOx	ROG	PM10	PM2.5	CO2	CH4	CO	NOx	ROG	PM10	PM2.5	CO2	CH4	Tons									
2.16	0.24	0.04	0.11	0.04	330.80	0.02	3.82	0.42	0.08	0.19	0.07	583.44	0.04	19.28									
2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.96									
2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.47	8.00	0.42	0.26	0.24	44.71	0.01	1.48									
4.10	5.60	0.28	0.45	0.41	24.00	0.00	4.34	5.93	0.30	0.48	0.44	25.40	0.00	0.84									
3.70	5.32	0.28	0.30	0.28	33.00	0.00	3.10	4.46	0.23	0.25	0.23	27.65	0.00	0.92									
2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.59	8.21	0.43	0.26	0.24	45.86	0.01	1.52									
3.70	5.60	0.28	0.30	0.28	24.00	0.00	6.53	9.88	0.49	0.53	0.49	42.33	0.01	1.40									
4.10	5.60	0.28	0.45	0.41	24.00	0.00	7.23	9.88	0.49	0.79	0.73	42.33	0.01	1.40									
2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.19	0.13	0.02	0.06	0.02	182.32	0.01	12.05									
2.60	4.66	0.25	0.15	0.14	26.00	0.00	6.71	12.01	0.63	0.39	0.36	67.06	0.01	4.44									
2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	4.93									
2.60	4.66	0.25	0.15	0.14	28.00	0.00	9.15	16.38	0.86	0.53	0.49	98.52	0.01	6.52									
2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	8.28									
2.60	4.56	0.24	0.15	0.14	26.00	0.00	0.92	1.61	0.08	0.05	0.05	9.17	0.00	0.61									
Total Mobilization/Staging Area							78.28	123.27	6.49	5.30	4.75	1457.84	0.15	66.63									
Earth Work					19	255																	
4-Man Trucks (1-Ton)	195	Diesel	1	1	255		8	2036	2.16	0.24	0.04	0.11	0.04	330.80	0.02	4.53	0.50	0.09	0.22	0.09	692.83	0.04	88.29
1-Ton Crew Cab, 4x4	325	Diesel	1	1	255		4	1018	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	11.44
Scrapers 623F	365	Diesel	1	4	255		8	8145	2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	9.53
Excavator Cat - 330	266	Diesel	1	2	255		4	2036	2.60	4.56	0.24	0.15	0.14	58.00	0.01	66.95	117.42	6.18	3.86	3.55	1493.47	0.22	191.01
Loader 988F	430	Diesel	1	2	255		4	2036	2.60	4.66	0.25	0.15	0.14	28.00	0.00	12.20	21.84	1.15	0.70	0.65	131.36	0.02	16.80
Grader 16H	297	Diesel	1	2	255		4	2036	2.60	4.56	0.24	0.15	0.14	33.00	0.00	19.72	34.58	1.82	1.14	1.05	250.26	0.04	32.01
Roller\ 815(sheep-Foot)	232	Diesel	1	2	255		8	4073	2.60	4.66	0.25	0.15	0.14	58.00	0.01	27.24	48.77	2.57	1.57	1.45	607.62	0.09	77.71
Bottom Dump Truck	380	Diesel	1	4	255		8	8145	2.60	4.66	0.25	0.15	0.14	39.00	0.01	21.28	38.09	2.00	1.23	1.13	319.15	0.05	40.82
Water Truck (5000 Gal)	250	Diesel	1	1	255		6	1527	2.60	4.56	0.24	0.15	0.14	26.00	0.00	69.70	122.24	6.43	4.02	3.70	697.00	0.10	89.14
4-Man Trucks (1-Ton)	195	Diesel	2	1	396		8	6336	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.60	15.39	0.81	0.50	0.46	85.98	0.01	11.00
1-Ton Crew Cab, 4x4	325	Diesel	2	1	396		2	1584	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.67	0.18	0.03	0.08	0.03	255.25	0.02	50.60
Crane RT (120 T)	420	Diesel	2	2	396		8	12672	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	17.76
Loader 988F	430	Diesel	2	1	396		2	1584	2.60	4.56	0.24	0.15	0.14	39.00	0.01	38.52	67.56	3.56	2.22	2.04	577.78	0.09	114.76
Truck/Trailer	325	Diesel	2	2	396		4	6336	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	12.43
4-Man Trucks (1-Ton)	195	Diesel	2	1	1755		8	28072	2.60	4.56	0.24	0.15	0.14	26.00	0.00	14.90	26.14	1.38	0.86	0.79	149.03	0.02	29.60
1-Ton Crew Cab, 4x4	325	Diesel	2	1	1755																		

**Construction Emission
(LRT Tunnel OPTION)**

Primary Equipment Description	Estimated Horse-Power	Probable Fuel Type	Crew's	Primary Equipment Quantity	Estimated Workforce	Estimated Schedule (Days)	Duration of Use (Hrs/Day)	Total Equip (Hours)	Estimated Production Per Day	CO	NOx	ROG	PM10	PM2.5	CO2	CH4	CO	NOx	ROG	PM10	PM2.5	CO2	CH4	Total CO2e Tons
										Tier 2 Emission Rates (g/bhp-hr)						Tier 2 Emissions (lb/day)								
										2.60	4.66	0.25	0.15	0.14	26.00	0.00	22.35	40.02	2.11	1.29	1.19	223.54	0.03	44.40
										Total Atgrade Structure						369.89	627.03	33.15	21.58	19.56	6540.65	0.81	1563.49	
TUNNEL WORK																								
Secant Piles/Tie Backs																								
4-Man Trucks (1-Ton)	195	Diesel	1	1	5	88	8	704		2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.19	0.13	0.02	0.06	0.02	182.32	0.01	8.03
1-Ton Crew Cab, 4x4	325	Diesel	1	1		88	4	352		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	3.95
Crane RT (60 T)	350	Diesel	1	1		88	6	528		2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	3.29
Loader 988F	430	Diesel	1	1		88	4	352		2.60	4.56	0.24	0.15	0.14	39.00	0.01	12.04	21.11	1.11	0.69	0.64	180.56	0.03	7.97
Truck/Trailer	325	Diesel	1	1		88	4	352		2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	5.52
Portal Mud slab					8	11				2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	3.29
4-Man Trucks (1-Ton)	195	Diesel	1	1		11	8	88		2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.91	0.21	0.04	0.09	0.04	291.72	0.02	1.61
1-Ton Crew Cab, 4x4	325	Diesel	1	1		11	4	44		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	0.49
Concrete Truck	150	Diesel	1	2		11	8	176		2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	0.41
Loader 988F	430	Diesel	1	1		11	4	44		2.60	4.56	0.24	0.15	0.14	26.00	0.00	13.76	24.13	1.27	0.79	0.73	137.57	0.02	0.76
Excavator Cat - 330	266	Diesel	1	1		11	4	44		2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	0.69
Trucks - Super 10	200	Diesel	1	2		11	4	44		2.60	4.66	0.25	0.15	0.14	28.00	0.00	6.10	10.92	0.57	0.35	0.32	65.68	0.01	0.36
Concrete Precast Shell					5	44				2.16	0.24	0.04	0.11	0.04	330.80	0.02	9.17	16.42	0.86	0.53	0.49	91.71	0.01	0.51
4-Man Trucks (1-Ton)	195	Diesel	2	1		44	8	704		2.60	4.66	0.25	0.15	0.14	26.00	0.00	1.19	0.13	0.02	0.06	0.02	182.32	0.01	4.02
1-Ton Crew Cab, 4x4	325	Diesel	2	1		44	6	528		2.60	4.56	0.24	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	1.97
Crane RT (60 T)	350	Diesel	2	1		44	8	704		2.60	4.56	0.24	0.15	0.14	26.00	0.00	11.18	19.60	1.03	0.64	0.59	111.77	0.02	2.47
Loader 988F	430	Diesel	2	1		44	4	352		2.60	4.56	0.24	0.15	0.14	39.00	0.01	16.05	28.15	1.48	0.93	0.85	240.74	0.04	5.31
Truck/Trailer	325	Diesel	2	1		44	4	352		2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	2.76
TBM Mob & Demob					7	66				2.16	0.24	0.04	0.11	0.04	330.80	0.02	7.45	13.07	0.69	0.43	0.40	74.51	0.01	1.64
4-Man Trucks (1-Ton)	195	Diesel	1	1		66	8	528		2.60	4.56	0.24	0.15	0.14	26.00	0.00	1.67	0.18	0.03	0.08	0.03	255.25	0.02	8.43
1-Ton Crew Cab, 4x4	325	Diesel	1	1		66	6	396		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.96
Crane (60 T)	350	Diesel	1	2		66	6	792		2.60	4.56	0.24	0.15	0.14	26.00	0.00	11.18	19.60	1.03	0.64	0.59	111.77	0.02	3.70
Loader 988F	430	Diesel	1	1		66	4	264		2.60	4.56	0.24	0.15	0.14	39.00	0.01	24.07	42.22	2.22	1.39	1.28	361.11	0.05	11.95
Trucks - Trailer	325	Diesel	1	2		66	4	528		2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	4.14
										Total Tunnel Work						229.41	394.43	20.85	13.19	11.98	3517.82	0.44	91.18	
ABOVE GRADE CONSTRUCTION																								
Construct Stations & Parking lots @ Civic Center, Floral, Alhambra																								
4-Man Truck	195	Diesel	1	1	25	792	8	6336		2.16	0.24	0.04	0.11	0.04	330.80	0.02	5.96	0.66	0.12	0.30	0.12	911.62	0.06	361.46
Crane RT (60 T)	350	Diesel	1	1		792	6	4752		2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	35.52
Loader 988F	430	Diesel	1	2		792	2	3168		2.60	4.56	0.24	0.15	0.14	39.00	0.01	12.04	21.11	1.11	0.69	0.64	180.56	0.03	71.72
Backhoe Cat-420	101	Diesel	1	2		792	4	6336		2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	49.71
Bottom Dump Truck	380	Diesel	1	2		792	2	3168		2.60	4.56	0.24	0.15	0.14	26.00	0.00	4.63	8.12	0.43	0.27	0.25	58.78	0.01	23.35
Generator	30	Diesel	1	2		792	4	6336		2.60	4.56	0.24	0.15	0.14	26.00	0.00	8.71	15.28	0.80	0.50	0.46	87.13	0.01	34.61
Welding Machine	50	Diesel	1	4		792	2	6336		4.10	5.60	0.28	0.45	0.41	24.00	0.00	2.17	2.96	0.15	0.24	0.22	12.70	0.00	5.04
Compressor	30	Diesel	1	4		792	2	6336		3.70	5.60	0.28	0.30	0.28	24.00	0.00	3.26	4.94	0.25	0.26	0.24	21.16	0.00	8.41
Water Truck	250	Diesel	1	1		792	4	3168		4.10	5.60	0.28	0.45	0.41	24.00	0.00	4.34	5.93	0.30	0.48	0.44	25.40	0.00	10.09
Paving Machine	175	Diesel	1	1		792	8	200		2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	22.77
Roller	130	Diesel	1	4		792	8	200		2.60	4.66	0.25	0.15	0.14	39.00	0.01	8.02	14.37	0.76	0.46	0.43	120.37	0.02	47.81
Tack Coat Truck	325	Diesel	1	1		792	8	200		2.60	4.66	0.25	0.15	0.14	39.00	0.01	23.84	42.69	2.25	1.38	1.27	357.67	0.05	142.08
Stations @ Cal-state, Huntington, S. Pasadena, Fillmore					19	836				2.16	0.24	0.04	0.11	0.04	330.80	0.02	14.90	26.68	1.40	0.86	0.79	149.03	0.02	59.20
4-Man Truck	195	Diesel	1	1		836	8	6688		2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.53	0.50	0.09	0.22	0.09	692.83	0.04	289.97
120 Ton Crane	450	Diesel	1	1		836	6	5016		2.60	4.56	0.24	0.15	0.14	39.00	0.01	8.94	16.01	0.84	0.52	0.47	89.42	0.01	37.49
Loader 988F	430	Diesel	1	2		836	2	3344		2.60	4.56	0.24	0.15	0.14	33.00	0.00	15.48	27.14	1.43	0.89	0.82	232.14	0.03	97.34
Backhoe Cat-420	101	Diesel	1	2		836	4	6688		2.60	4.56	0.24	0.15	0.14	26.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	52.47
Bottom Dump Truck	380	Diesel	1	2		836	2	3344		2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.63	8.12	0.43	0.27	0.25	58.78	0.01	24.65
Generator	30	Diesel	1	2		836	4	6688		2.60	4.56	0.24	0.15	0.14	26.00	0.00	8.71	15.28	0.80	0.50	0.46	87.13	0.01	36.53
Welding Machine	50	Diesel	1	4		836	2	6688		3.70	5.60	0.28	0.30	0.28	24.00	0.00	1.96	2.96	0.15	0.16	0.15	12.70	0.00	5.32
Compressor	30	Diesel	1	4		836	4	13376		3.70	5.60	0.28	0.30	0.28	24.00	0.00	3.26	4.94	0.25	0.26	0.24	21.16	0.00	8.87
Water Truck	250	Diesel	1	1		836	4	3344		4.10	5.60	0.28	0.45	0.41	24.00	0.00	4.34	5.93	0.30	0.48	0.44	25.40	0.00	10.65
										Total Above Grade Construction						179.86	294.74	15.59	11.05	9.90	3598.30	0.39	1459.10	
Construct Rail tracks & Maint Yard																								
Rail Work																								
4-Man Truck	195	Diesel	1	1	13	924	8	7392		2.16	0.24	0.04	0.11	0.04	330.80	0.02	3.10	0.34	0.06	0.15	0.06	474.04	0.03	219.29
Side Boom Truck (Freightliner)	275	Diesel	1	1																				

**Construction Emission
(LRT Tunnel OPTION)**

Primary Equipment Description	Estimated Horse-Power	Probable Fuel Type	Crew's	Primary Equipment Quantity	Estimated Workforce	Estimated Schedule (Days)	Duration of Use (Hrs/Day)	Total Equip (Hours)	Estimated Production Per Day
Generator	30	Diesel	1	2		132	4	1056	
Compressor	30	Diesel	1	4		132	2	1056	

CO	NOx	Tier 2 Emission Rates (g/bhp-hr)					CO	NOx	Tier 2 Emissions (lb/day)					Total CO2e Tons
		ROG	PM10	PM2.5	CO2	CH4			ROG	PM10	PM2.5	CO2	CH4	
4.10	5.60	0.28	0.45	0.41	24.00	0.00	2.17	2.96	0.15	0.24	0.22	12.70	0.00	0.84
4.10	5.60	0.28	0.45	0.41	24.00	0.00	2.17	2.96	0.15	0.24	0.22	12.70	0.00	0.84
Total Construct Rail Tracks & Maint Yard							102.16	154.06	8.12	7.20	6.40	2185.66	0.21	607.28

Primary Equipment Description	Estimated Horse-Power	Primary Equipment	Estimated Workforce	Estimated Schedule (Days)	Duration of Use (Hrs/Day)	Tier 2 Emission Rates (g/bhp-hr)						Tier 2 Emissions (lb/day)						Total CO2e Tons		
						CO	NOx	ROG	PM10	PM2.5	CO2	CH4	CO	NOx	ROG	PM10	PM2.5		CO2	CH4
SOUTH PORTAL																				
Project Staging Area			4	1548		2.16	0.24	0.04	0.11	0.04	330.80	0.02	0.95	0.11	0.02	0.05	0.02	145.86	0.01	113.04
4-Man Truck	195	1		1548	6	2.60	4.66	0.25	0.15	0.14	26.00	0.00	6.71	12.01	0.63	0.39	0.36	67.06	0.01	52.07
Maintenance Truck	195	1		1548	4	2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.47	8.00	0.42	0.26	0.24	44.71	0.01	34.71
Air Compressor - 85 CFM	30	4		1548	2	4.10	5.60	0.28	0.45	0.41	24.00	0.00	2.17	2.96	0.15	0.24	0.22	12.70	0.00	9.86
Fork-Lift	95	1		1548	2	3.70	5.32	0.28	0.30	0.28	33.00	0.00	1.55	2.23	0.12	0.13	0.12	13.82	0.00	10.73
10-Ton Truck	200	1		1548	4	2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.59	8.21	0.43	0.26	0.24	45.86	0.01	35.60
Welding Machines	50	4		1548	2	3.70	5.60	0.28	0.30	0.28	24.00	0.00	3.26	4.94	0.25	0.26	0.24	21.16	0.00	16.43
Light Towers	25	4		1548	2	4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.81	2.47	0.12	0.20	0.18	10.58	0.00	8.22
Survey			4	66		2.16	0.24	0.04	0.11	0.04	330.80	0.02	0.95	0.11	0.02	0.05	0.02	145.86	0.01	4.82
3/4-Ton Pick-up Truck, 4x4	80	2		66	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.34	13.14	0.69	0.42	0.39	73.37	0.01	2.43
Total South Portal Work												33.80	54.17	2.85	2.25	2.02	580.98	0.06	287.91	
Earth Work Construction																				
Soil Excavation (CY)			11	198		2.16	0.24	0.04	0.11	0.04	330.80	0.02	2.62	0.29	0.05	0.13	0.05	401.11	0.02	39.76
4-Man Trucks (1-Ton)	195	1		198	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	8.88
1-Ton Crew Cab, 4x4	325	1		198	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	3.70
Scrapers 623F	365	4		180	8	2.60	4.56	0.24	0.15	0.14	58.00	0.01	66.95	117.42	6.18	3.86	3.55	1493.47	0.22	134.83
Excavator Cat - 330	266	2		120	4	2.60	4.66	0.25	0.15	0.14	28.00	0.00	12.20	21.84	1.15	0.70	0.65	131.36	0.02	7.91
Loader 988F	430	2		120	4	2.60	4.56	0.24	0.15	0.14	33.00	0.00	19.72	34.58	1.82	1.14	1.05	250.26	0.04	15.06
Water Truck (5000 Gal)	250	1		120	4	2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	3.45
22-ton Haul Trucks (carrying capacity 14 cy)		620	8672	120		1.11	4.59	0.18	0.19	0.12	1596.19	0.02	76.02	313.81	12.50	12.83	7.98	109089.48	1.37	6547.09
Rock Excavation (CY)			6	66		2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	7.23
4-Man Trucks (1-Ton)	195	1		66	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.96
1-Ton Crew Cab, 4x4	325	1		66	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.23
Dozer D10R	570	2		60	8	2.60	4.56	0.24	0.15	0.14	106.00	0.02	52.28	91.68	4.83	3.02	2.77	2131.22	0.32	64.14
Loader 988F	430	2		30	4	2.60	4.56	0.24	0.15	0.14	33.00	0.00	19.72	34.58	1.82	1.14	1.05	250.26	0.04	3.77
Articulated Trucks Cat 773D	682	3		30	4	2.60	4.56	0.24	0.15	0.14	33.00	0.00	46.91	82.27	4.33	2.71	2.49	595.40	0.09	8.96
22-ton Haul Trucks (carrying capacity 14 cy)		417	5833	120		1.11	4.59	0.18	0.19	0.12	1596.19	0.02	51.13	211.07	8.41	8.63	5.36	73371.47	0.92	4403.45
Earth Backfill (CY)			8	66		2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.91	0.21	0.04	0.09	0.04	291.72	0.02	9.64
4-Man Trucks (1-Ton)	195	1		66	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.96
1-Ton Crew Cab, 4x4	325	1		66	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.23
Loader 988F	430	2		60	8	2.60	4.56	0.24	0.15	0.14	33.00	0.00	39.44	69.16	3.64	2.28	2.09	500.53	0.07	15.06
Grader 16H	297	2		40	4	2.60	4.66	0.25	0.15	0.14	58.00	0.01	13.62	24.38	1.28	0.79	0.72	303.81	0.04	6.10
Roller\ 815(sheep-Foot)	232	2		30	4	2.60	4.66	0.25	0.15	0.14	58.00	0.01	10.64	19.05	1.00	0.61	0.56	237.32	0.04	3.57
Bottom Dump Truck (22T)	380	4		30	6	2.60	4.56	0.24	0.15	0.14	26.00	0.00	52.28	91.68	4.83	3.02	2.77	522.75	0.08	7.87
Water Truck (5000 Gal)	250	1		40	4	2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	1.15
22-ton Haul Trucks (carrying capacity 14 cy)		736	10303	66		1.11	4.59	0.18	0.19	0.12	1596.19	0.02	90.24	372.53	14.84	15.23	9.47	129499.77	1.62	4274.62
Utilities/Crew (LF)			6	88		2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	9.64
4-Man Trucks (1-Ton)	195	1		88	6	2.60	4.66	0.25	0.15	0.14	26.00	0.00	6.71	12.01	0.63	0.39	0.36	67.06	0.01	2.96
1-Ton Crew Cab, 4x4	325	1		88	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.64
Excavator Cat - 330	266	1		60	6	2.60	4.66	0.25	0.15	0.14	28.00	0.00	9.15	16.38	0.86	0.53	0.49	98.52	0.01	2.96
4-Man Trucks (1-Ton)	150	1		40	2	3.70	4.66	0.25	0.22	0.20	26.00	0.00	2.45	3.08	0.16	0.15	0.13	17.20	0.00	0.34
Loader 988F	430	1		60	4	2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	3.77
RET-Walls (SF)			16	132		2.16	0.24	0.04	0.11	0.04	330.80	0.02	3.82	0.42	0.08	0.19	0.07	583.44	0.04	38.56
4-Man Trucks (1-Ton)	195	2		132	6	2.60	4.66	0.25	0.15	0.14	26.00	0.00	13.41	24.01	1.26	0.77	0.71	134.13	0.02	8.88
1-Ton Crew Cab, 4x4	325	1		132	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	2.47
Excavator Cat - 330	266	1		100	6	2.60	4.66	0.25	0.15	0.14	28.00	0.00	9.15	16.38	0.86	0.53	0.49	98.52	0.01	4.94
Loader 988F	430	1		100	2	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	3.14
Crane RT (18 T)	155	2		80	6	3.70	4.66	0.25	0.22	0.20	39.00	0.01	15.17	19.09	1.00	0.90	0.83	159.92	0.02	6.42
22-ton Haul Trucks (carrying capacity 14 cy)		23	311.8648288	132		1.11	4.59	0.18	0.19	0.12	1596.19	0.02	2.82	11.64	0.46	0.48	0.30	4046.87	0.05	267.16
Total Earth Work												692.90	1715.05	78.79	64.37	47.85	325470.05	5.21	15927.48	
Bridge Construction																				
Pile Installation (LF)			12	44		2.16	0.24	0.04	0.11	0.04	330.80	0.02	2.86	0.32	0.06	0.14	0.06	437.58	0.03	9.64
4-Man Trucks (1-Ton)	195	2		44	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	17.88	32.02	1.69	1.03	0.95	178.84	0.03	3.95
1-Ton Crew Cab, 4x4	325	1		44	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	0.82
Crane RT (60 T)	350	2		44	9	2.60	4.56	0.24	0.15	0.14	39.00	0.01	36.11	63.33	3.33	2.08	1.92	541.67	0.08	11.95
Loader 988F	430	1		25	2	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	0.78
Concrete Mixer	300	4		124	5	2.60	4.56	0.24	0.15	0.14	26.00	0.00	34.39	60.32	3.17	1.98	1.83	343.92	0.05	21.39
Truck/Trailer	325	2		40	4	2.60	4.56	0.24	0.15	0.14	26.00	0.00	14.90	26.14	1.38	0.86	0.79	149.03	0.02	2.99
Valley & Hellman Bridges - (CY)			16	198		2.16	0.24	0.04	0.11	0.04	330.80	0.02	3.82	0.42	0.08	0.19	0.07	583.44	0.04	57.83
4-Man Trucks (1-Ton)	195	2		198	8	2.60	4.66</													

Crane (60 T)	350	2	150	6	2.60	4.56	0.24	0.15	0.14	39.00	0.01	24.07	42.22	2.22	1.39	1.28	361.11	0.05	27.17
Loader 988F	430	1	100	2	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	3.14
Excavator Cat - 330	266	1	100	2	2.60	4.66	0.25	0.15	0.14	28.00	0.00	3.05	5.46	0.29	0.18	0.16	32.84	0.00	1.65
Trucks - Super 10	200	2	100	4	2.60	4.66	0.25	0.15	0.14	26.00	0.00	9.17	16.42	0.86	0.53	0.49	91.71	0.01	4.60
22-ton Haul Trucks (carrying capacity 14 cy)		2	20	198	1.11	4.59	0.18	0.19	0.12	1596.19	0.02	0.25	1.01	0.04	0.04	0.03	351.90	0.00	34.85
Cut & Cover Tunnel Box (CY)			20	198	2.16	0.24	0.04	0.11	0.04	330.80	0.02	4.77	0.53	0.10	0.24	0.09	729.30	0.04	72.29
4-Man Trucks (1-Ton)	195	2	198	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	17.88	32.02	1.69	1.03	0.95	178.84	0.03	17.76
1-Ton Crew Cab, 4x4	325	1	198	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	3.70
Crane (60 T)	350	2	150	6	2.60	4.56	0.24	0.15	0.14	39.00	0.01	24.07	42.22	2.22	1.39	1.28	361.11	0.05	27.17
Loader 988F	430	1	100	2	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	3.14
Excavator Cat - 330	266	1	100	2	2.60	4.66	0.25	0.15	0.14	28.00	0.00	3.05	5.46	0.29	0.18	0.16	32.84	0.00	1.65
Trucks - Super 10	200	2	100	4	2.60	4.66	0.25	0.15	0.14	26.00	0.00	9.17	16.42	0.86	0.53	0.49	91.71	0.01	4.60
22-ton Haul Trucks (carrying capacity 14 cy)		55	766	198	1.11	4.59	0.18	0.19	0.12	1596.19	0.02	6.74	27.84	1.11	1.14	0.71	9677.29	0.12	958.30
Total Bridge Construction												256.05	449.70	23.47	15.45	13.57	14621.42	0.65	1290.83

Tunnel Preparation (EA)																				
Secant Piles (LF)			8	88	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.91	0.21	0.04	0.09	0.04	291.72	0.02	12.85	
4-Man Trucks (1-Ton)	195	1		88	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	3.95	
1-Ton Crew Cab, 4x4	325	1		88	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.64	
Crane RT (60 T)	350	1		60	2.60	4.56	0.24	0.15	0.14	39.00	0.01	16.05	28.15	1.48	0.93	0.85	240.74	0.04	7.24	
Loader 988F	430	1		40	2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	2.51	
Truck/Trailer	325	1		40	2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	1.49	
Tie Backs (LF)			8	44	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.91	0.21	0.04	0.09	0.04	291.72	0.02	6.43	
4-Man Trucks (1-Ton)	195	1		44	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	1.97	
1-Ton Crew Cab, 4x4	325	1		44	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	0.82	
Excavator Cat - 330	266	1		44	2.60	4.66	0.25	0.15	0.14	28.00	0.00	12.20	21.84	1.15	0.70	0.65	131.36	0.02	2.90	
Loader 988F	430	1		30	2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	1.88	
Truck/Trailer	325	1		30	2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	1.12	
Portal Mud Slab (CY)			8	11	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.91	0.21	0.04	0.09	0.04	291.72	0.02	1.61	
4-Man Trucks (1-Ton)	195	2		11	2.60	4.66	0.25	0.15	0.14	26.00	0.00	17.88	32.02	1.69	1.03	0.95	178.84	0.03	0.99	
1-Ton Crew Cab, 4x4	325	1		11	2.60	4.56	0.24	0.15	0.14	26.00	0.00	14.90	26.14	1.38	0.86	0.79	149.03	0.02	0.82	
Concrete Truck	150	2		6	3.70	4.66	0.25	0.22	0.20	26.00	0.00	19.58	24.63	1.30	1.16	1.07	137.57	0.02	0.41	
Loader 988F	430	1		5	2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	0.31	
Excavator Cat - 330	266	1		5	2.60	4.66	0.25	0.15	0.14	28.00	0.00	6.10	10.92	0.57	0.35	0.32	65.68	0.01	0.16	
Trucks - Super 10	200	2		11	2.60	4.66	0.25	0.15	0.14	26.00	0.00	9.17	16.42	0.86	0.53	0.49	91.71	0.01	0.51	
22-ton Haul Trucks (carrying capacity 14 cy)		30	409	11	1.11	4.59	0.18	0.19	0.12	1596.19	0.02	3.68	15.18	0.60	0.62	0.39	5278.52	0.07	29.04	
Concrete Precast Shell Handling (EA)			4	44	2.16	0.24	0.04	0.11	0.04	330.80	0.02	0.95	0.11	0.02	0.05	0.02	145.86	0.01	3.21	
4-Man Trucks (1-Ton)	195	1		44	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	1.97	
1-Ton Crew Cab, 4x4	325	1		44	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	0.82	
Crane RT (60 T)	350	1		44	2.60	4.56	0.24	0.15	0.14	39.00	0.01	18.06	31.67	1.67	1.04	0.96	270.83	0.04	5.98	
Loader 988F	430	1		30	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	0.94	
Truck/Trailer	325	1		30	2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	1.12	
TBM Mob & De-Mob			6	66	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	7.23	
4-Man Trucks (1-Ton)	195	1		66	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.96	
1-Ton Crew Cab, 4x4	325	1		66	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.23	
Crane (200 T)	600	2		60	2.60	4.56	0.24	0.15	0.14	39.00	0.01	41.27	72.38	3.81	2.38	2.19	619.05	0.09	18.63	
Loader 988F	430	1		60	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	1.88	
Trucks - Trailer	325	2		20	2.60	4.56	0.24	0.15	0.14	26.00	0.00	14.90	26.14	1.38	0.86	0.79	149.03	0.02	1.49	
Total Tunnel Preparation											294.35	504.92	26.50	17.36	15.57	9782.94	0.62	126.15		
NORTH PORTAL																				
Project Staging Area			6	1548	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	169.56	
4-Man Truck	195	1		1548	2.60	4.66	0.25	0.15	0.14	26.00	0.00	6.71	12.01	0.63	0.39	0.36	67.06	0.01	52.07	
Maintenance Truck	195	1		1548	2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.47	8.00	0.42	0.26	0.24	44.71	0.01	34.71	
Air Compressor - 85 CFM	30	4		1548	4.10	5.60	0.28	0.45	0.41	24.00	0.00	2.17	2.96	0.15	0.24	0.22	12.70	0.00	9.86	
Fork-Lift	95	1		1548	3.70	5.32	0.28	0.30	0.28	33.00	0.00	1.55	2.23	0.12	0.13	0.12	13.82	0.00	10.73	
10-Ton Truck	200	1		1548	2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.59	8.21	0.43	0.26	0.24	45.86	0.01	35.60	
Welding Machines	50	4		1548	3.70	5.60	0.28	0.30	0.28	24.00	0.00	3.26	4.94	0.25	0.26	0.24	21.16	0.00	16.43	
Light Towers	25	4		1548	4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.81	2.47	0.12	0.20	0.18	10.58	0.00	8.22	
Survey			4	66	2.16	0.24	0.04	0.11	0.04	330.80	0.02	0.95	0.11	0.02	0.05	0.02	145.86	0.01	4.82	
3/4-Ton Pick-up Truck, 4x4	80	2		66	2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.34	13.14	0.69	0.42	0.39	73.37	0.01	2.43	
Total Project Staging and Survey Work											34.27	54.22	2.86	2.28	2.03	653.91	0.06	344.43		
Earth Work Construction																				
Soil Excavation (CY)			8	154	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.91	0.21	0.04	0.09	0.04	291.72	0.02	22.49	
4-Man Trucks (1-Ton)	195	1		154	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	6.91	
1-Ton Crew Cab, 4x4	325	1		154	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	2.88	
Scrapers 623F	365	4		150	2.60	4.56	0.24	0.15	0.14	58.00	0.01	66.95	117.42	6.18	3.86	3.55	1493.47	0.22	112.36	
Excavator Cat - 330	266	1		100	2.60	4.66	0.25	0.15	0.14	28.00	0.00	6.10	10.92	0.57	0.35	0.32	65.68	0.01	3.29	
Loader 988F	430	1		100	2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	6.28	
Water Truck (5000 Gal)	250	1		100	2.60	4.66	0.25	0.15	0.14	26.00	0.00	5.73	10.26	0.54	0.33	0.30	57.32	0.01	2.87	
22-ton Haul Trucks (carrying capacity 14 cy)		752	10525	154	1.11	4.59	0.18	0.19	0.12	1596.19	0.02	92.21	380.63	15.16	15.56	9.67	132314.98	1.66	10190.93	
Earth Backfill (CY)			13	66	2.16	0.24	0.04	0.11	0.04	330.80	0.02	3.10	0.34	0.06	0.15	0.06	474.04	0.03	15.66	
4-Man Trucks (1-Ton)	195	1		66	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.96	
1-Ton Crew Cab, 4x4	325	1		66	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.23	
Loader 988F	430	2		66	2.60	4.56	0.24	0.15	0.14	33.00	0.00	39.44	69.16	3.64	2.28	2.09	500.53	0.07	16.57	
Grader 16H	297	2		66	2.60	4.66	0.25	0.15	0.14	58.00	0.01	27.24	48.77	2.57	1.57	1.45	607.62	0.09	20.11	
Roller\ 815(sheep-Foot)	232	2		66	2.60	4.66	0.25	0.15	0.14	39.00	0.01	15.96	28.57	1.50	0.92	0.85	239.37	0.04	7.92	
Bottom Dump Truck (22T)	380	4		66	2.60	4.56	0.24	0.15	0.14	26.00	0.00	52.28	91.68	4.83	3.02	2.77	522.75	0.08	17.30	
Water Truck (5000 Gal)	250	1		66	2.60	4.66	0.25	0.15	0.14	26.00	0.00	11.46	20.52	1.08	0.66	0.61				

Excavator Cat - 330	266	1	60	6	2.60	4.66	0.25	0.15	0.14	28.00	0.00	9.15	16.38	0.86	0.53	0.49	98.52	0.01	2.96	
Bottom Dump Truck (22T)	380	1	40	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	4.36	7.64	0.40	0.25	0.23	43.56	0.01	0.87	
Loader 988F	430	1	60	4	2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	3.77	
RET-Walls (SF)			16	66	2.16	0.24	0.04	0.11	0.04	330.80	0.02									
4-Man Trucks (1-Ton)	195	2	66	6	2.60	4.66	0.25	0.15	0.14	26.00	0.00	13.41	24.01	1.26	0.77	0.71	134.13	0.02	4.44	
1-Ton Crew Cab, 4x4	325	1	66	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.23	
Excavator Cat - 330	266	1	50	6	2.60	4.66	0.25	0.15	0.14	28.00	0.00	9.15	16.38	0.86	0.53	0.49	98.52	0.01	2.47	
Loader 988F	430	1	50	2	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	1.57	
Crane RT (18 T)	155	2	60	6	3.70	4.66	0.25	0.22	0.20	39.00	0.01	15.17	19.09	1.00	0.90	0.83	159.92	0.02	4.81	
22-ton Haul Trucks (carrying capacity 14 cy)		18	251.172138	66	1.11	4.59	0.18	0.19	0.12	1596.19	0.02	2.21	9.11	0.36	0.37	0.23	3167.11	0.04	104.54	
												524.89	1314.07	60.11	49.56	36.57	256261.87	3.94	14368.91	
Total Earth Work Constuction																				
Bridge Construction																				
Pile Installation (LF)			8	66	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.91	0.21	0.04	0.09	0.04	291.72	0.02	9.64	
4-Man Trucks (1-Ton)	195	2	66	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	17.88	32.02	1.69	1.03	0.95	178.84	0.03	5.92	
1-Ton Crew Cab, 4x4	325	1	66	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.23	
Crane RT (60 T)	350	2	60	9	2.60	4.56	0.24	0.15	0.14	39.00	0.01	36.11	63.33	3.33	2.08	1.92	541.67	0.08	16.30	
Loader 988F	430	1	40	2	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	1.26	
Truck/Trailer	325	2	40	4	2.60	4.56	0.24	0.15	0.14	26.00	0.00	14.90	26.14	1.38	0.86	0.79	149.03	0.02	2.99	
Del Mar & Green, Colorado, Union Bridges (CY)			16	374	2.16	0.24	0.04	0.11	0.04	330.80	0.02	3.82	0.42	0.08	0.19	0.07	583.44	0.04	109.24	
4-Man Trucks (1-Ton)	195	2	374	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	17.88	32.02	1.69	1.03	0.95	178.84	0.03	33.55	
1-Ton Crew Cab, 4x4	325	1	374	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	6.99	
Crane (60 T)	350	2	300	6	2.60	4.56	0.24	0.15	0.14	39.00	0.01	24.07	42.22	2.22	1.39	1.28	361.11	0.05	54.34	
Loader 988F	430	1	300	2	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	9.41	
Excavator Cat - 330	266	1	200	2	2.60	4.66	0.25	0.15	0.14	28.00	0.00	3.05	5.46	0.29	0.18	0.16	32.84	0.00	3.29	
Trucks - Super 10	325	2	150	4	2.60	4.66	0.25	0.15	0.14	26.00	0.00	14.90	26.68	1.40	0.86	0.79	149.03	0.02	11.21	
22-ton Haul Trucks (carrying capacity 14 cy)		3	374		1.11	4.59	0.18	0.19	0.12	1596.19	0.02	0.37	1.52	0.06	0.06	0.04	527.85	0.01	98.73	
Cut & Cover Tunnel Box (CY)			20	374	2.16	0.24	0.04	0.11	0.04	330.80	0.02	4.77	0.53	0.10	0.24	0.09	729.30	0.04	136.55	
4-Man Trucks (1-Ton)	195	2	374	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	17.88	32.02	1.69	1.03	0.95	178.84	0.03	33.55	
1-Ton Crew Cab, 4x4	325	1	374	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	6.99	
Crane (60 T)	350	2	300	6	2.60	4.56	0.24	0.15	0.14	39.00	0.01	24.07	42.22	2.22	1.39	1.28	361.11	0.05	54.34	
Loader 988F	430	1	300	2	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	9.41	
Excavator Cat - 330	266	1	200	2	2.60	4.66	0.25	0.15	0.14	28.00	0.00	3.05	5.46	0.29	0.18	0.16	32.84	0.00	3.29	
Trucks - Super 10	325	2	150	4	2.60	4.56	0.24	0.15	0.14	26.00	0.00	14.90	26.14	1.38	0.86	0.79	149.03	0.02	11.21	
22-ton Haul Trucks (carrying capacity 14 cy)		52	724	374	1.11	4.59	0.18	0.19	0.12	1596.19	0.02	6.38	26.32	1.05	1.08	0.67	9149.44	0.11	1711.40	
												231.92	408.25	21.28	14.04	12.31	13894.38	0.60	2330.84	
Total Bridge Construction																				
Tunnel Preparation																				
Tie Backs (LF)			8	44	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.91	0.21	0.04	0.09	0.04	291.72	0.02	6.43	
4-Man Trucks (1-Ton)	195	1	44	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	1.97	
1-Ton Crew Cab, 4x4	325	1	44	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	0.82	
Excavator Cat - 330	266	1	44	8	2.60	4.66	0.25	0.15	0.14	28.00	0.00	12.20	21.84	1.15	0.70	0.65	131.36	0.02	2.90	
Loader 988F	430	1	30	4	2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	1.88	
Truck/Trailer	325	1	30	4	2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	1.12	
Portal Mud Slab (CY)			8	11	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.91	0.21	0.04	0.09	0.04	291.72	0.02	1.61	
4-Man Trucks (1-Ton)	195	2	11	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	17.88	32.02	1.69	1.03	0.95	178.84	0.03	0.99	
1-Ton Crew Cab, 4x4	325	1	11	8	2.60	4.56	0.24	0.15	0.14	26.00	0.00	14.90	26.14	1.38	0.86	0.79	149.03	0.02	0.82	
Loader 988F	430	1	5	4	2.60	4.56	0.24	0.15	0.14	33.00	0.00	9.86	17.29	0.91	0.57	0.52	125.13	0.02	0.31	
Excavator Cat - 330	266	1	5	4	2.60	4.66	0.25	0.15	0.14	28.00	0.00	6.10	10.92	0.57	0.35	0.32	65.68	0.01	0.16	
Trucks - Super 10	325	2	11	4	2.60	4.56	0.24	0.15	0.14	26.00	0.00	14.90	26.14	1.38	0.86	0.79	149.03	0.02	0.82	
22-ton Haul Trucks (carrying capacity 14 cy)		31	427	11	1.11	4.59	0.18	0.19	0.12	1596.19	0.02	3.80	15.69	0.62	0.64	0.40	5454.47	0.07	30.01	
Concrete Precast Shell Handling (EA)			4	44	2.16	0.24	0.04	0.11	0.04	330.80	0.02	0.95	0.11	0.02	0.05	0.02	145.86	0.01	3.21	
4-Man Trucks (1-Ton)	195	1	44	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	1.97	
1-Ton Crew Cab, 4x4	325	1	44	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	0.82	
Crane RT (60 T)	350	1	44	9	2.60	4.56	0.24	0.15	0.14	39.00	0.01	18.06	31.67	1.67	1.04	0.96	270.83	0.04	5.98	
Loader 988F	430	1	30	2	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	0.94	
Truck/Trailer	325	1	30	4	2.60	4.56	0.24	0.15	0.14	26.00	0.00	7.45	13.07	0.69	0.43	0.40	74.51	0.01	1.12	
TBM De-Mob (EA)			6	66	2.16	0.24	0.04	0.11	0.04	330.80	0.02	1.43	0.16	0.03	0.07	0.03	218.79	0.01	7.23	
4-Man Trucks (1-Ton)	195	1	66	8	2.60	4.66	0.25	0.15	0.14	26.00	0.00	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.96	
1-Ton Crew Cab, 4x4	325	1	66	2	2.60	4.56	0.24	0.15	0.14	26.00	0.00	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.23	
Crane (200T)	600	2	60	6	2.60	4.56	0.24	0.15	0.14	39.00	0.01	41.27	72.38	3.81	2.38	2.19	619.05	0.09	18.63	
Loader 988F	430	1	60	2	2.60	4.56	0.24	0.15	0.14	33.00	0.00	4.93	8.65	0.46	0.28	0.26	62.57	0.01	1.88	
Trucks - Trailer	325	2	20	4	2.60	4.56	0.24	0.15	0.14	26.00	0.00	14.90	26.14	1.38	0.86	0.79	149.03	0.02	1.49	
												232.70	409.25	21.43	13.80	12.34	9019.86	0.51	97.33	
Total Tunnel Preparation																				
Concrete Delivery Trucks (CY)	325	1	CY	371,000	4	1.11	4.59	0.18	0.19	0.12	1596.19	0.02	3.67	15.16	0.60	0.62	0.39	5271.14	0.07	4080.93
Tunel Precast Delivery	325	1	Trips	167,550	4	1.11	4.59	0.18	0.19	0.12	1596.19	0.02	13.27	54.78	2.18	2.24	1.39	19044.28	0.24	14744.15
MISC Deliveries	326	1		1,584	2	1.11	4.59	0.18	0.19	0.12	1596.19	0.02	0.13	0.52	0.02	0.02	0.01	180.04	0.00	139.39

NOTES:

The following changes were made to this revision:

1. Equip Horse power were adjusted
2. Earthwork crews were split by activity (soil/rock/grading)
3. Equip Production rates were derived from the CAT Performance Handbook
4. Equip No/ were derived from Schedule, Quantity, and equip production rate
5. Single Bore with 1 TBM going from S to N
6. Bridge and RW concrete QTY were provided.
7. Buildings, CIDH, Utility concrete were assumed to be 20,000 CY
8. Tunnel Precast Delivery is assumed at 22Ton per 4 hour trip

Total Material Delivery	17.07	70.47	2.81	2.88	1.79	24495.46	0.31	18964.48
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SINGLE BORE TUNNEL OPTION - 1 TBM (S to N)							
Work Activity				Activity Production			
Primary Equipment Description	Estimated Horse-Power	Probable Fuel Type	Crew's	Primary Equipment Quantity	Estimated Workforce	Estimated Schedule (Days)	Duration of Use (Hrs/Day)
SOUTH PORTAL							
Project Staging Area							
4-Man Truck	195	Diesel	1	1	4	1548	6
Maintenance Truck	195	Diesel	1	1		1548	4
Air Compressor - 85 CFM	30	Diesel	1	4		1548	2
Fork-Lift	95	Diesel	1	1		1548	2
10-Ton Truck	200	Diesel	1	1		1548	4
Welding Machines	50	Diesel	1	4		1548	2
Light Towers	25	Diesel	1	4		1548	2
Survey					4	66	
3/4-Ton Pick-up Truck, 4x4	80	Gas	2	2		66	8
Earth Work Construction (CY)							
Soil Excavation							
4-Man Trucks (1-Ton)	195	Diesel	1	1	9	198	8
1-Ton Crew Cab, 4x4	325	Diesel	1	1		198	2
Scrapers 623F	365	Diesel	1	2		180	8
Excavator Cat - 330	266	Diesel	1	2		100	4
Loader 988F	430	Diesel	1	2		100	4
Water Truck (5000 Gal)	250	Diesel	1	1		120	4
22-ton Haul Trucks (carrying capacity 14 cy)				379	5298	120	
Rock Excavation (CY)							
4-Man Trucks (1-Ton)	195	Diesel	1	1	8	44	8
1-Ton Crew Cab, 4x4	325	Diesel	1	1		44	2
Dozer D10R	570	Diesel	1	2		44	8
Loader 988F	430	Loader 988F	1	2		44	4
Articulated Trucks Cat 773D	682	Diesel	1	2		44	4
22-ton Haul Trucks (carrying capacity 14 cy)				375	5250	44	
Earth Backfill (CY)							
4-Man Trucks (1-Ton)	195	Diesel	1	1	13	66	8
1-Ton Crew Cab, 4x4	325	Diesel	1	1		66	2
Loader 988F	430	Diesel	1	2		66	8
Grader 16H	297	Diesel	1	2		40	4
Roller\ 815(sheep-Foot)	232	Diesel	1	2		40	4
Bottom Dump Truck (22T)	380	Diesel	1	4		20	8
Water Truck (5000 Gal)	250	Diesel	1	1		20	4
22-ton Haul Trucks (carrying capacity 14 cy)				368	5152	66	
Utilities/Crew (LF)							
4-Man Trucks (1-Ton)	195	Diesel	1	1	6	88	6
1-Ton Crew Cab, 4x4	325	Diesel	1	1		88	2
Excavator Cat - 330	266	Diesel	1	1		60	6
4-Man Trucks (1-Ton)	150	Diesel	1	1		40	2
Loader 988F	430	Diesel	1	1		60	4
RET-Walls (SF)							
4-Man Trucks (1-Ton)	195	Diesel	2	2	12	88	6
1-Ton Crew Cab, 4x4	325	Diesel	2	1		88	2
Excavator Cat - 330	266	Diesel	2	1		60	6
Loader 988F	430	Diesel	2	1		60	2
Crane RT (18 T)	155	Diesel	2	2		40	6
22-ton Haul Trucks (carrying capacity 14 cy)				16	217	40	
Bridge Construction							
Pile Installation (LF)							
4-Man Trucks (1-Ton)	195	Diesel	2	2	16	44	8
1-Ton Crew Cab, 4x4	325	Diesel	2	1		44	2
Crane RT (60 T)	350	Diesel	2	2		44	9
Loader 988F	430	Diesel	2	1		30	2
Truck/Trailer	325	Diesel	2	2		20	4
Valley & Helman Bridges (CY)							
4-Man Trucks (1-Ton)	195	Diesel	2	1	14	198	8
1-Ton Crew Cab, 4x4	325	Diesel	2	1		198	2
Crane (60 T)	350	Diesel	2	1		150	6
Loader 988F	430	Diesel	2	1		100	2
Excavator Cat - 330	266	Diesel	2	1		100	2
Trucks - Super 10	325	Diesel	2	2		100	4
22-ton Haul Trucks (carrying capacity 14 cy)				2	20	100	
Cut & Cover Tunnel Box (CY)							
4-Man Trucks (1-Ton)	195	Diesel	2	1	14	198	8
1-Ton Crew Cab, 4x4	325	Diesel	2	1		198	2
Crane (60 T)	350	Diesel	2	1		150	6
Loader 988F	430	Diesel	2	1		100	2
Excavator Cat - 330	266	Diesel	2	1		100	2
Trucks - Super 10	325	Diesel	2	2		100	4
22-ton Haul Trucks (carrying capacity 14 cy)				28	389	100	

Tier 2 Emission Rates (g/bhp-hr)		Tier 2 Emissions (lb/day)					Total CO2e Tons									
CO	NOx	ROG	PM10	PM2.5	CO2	CH4	CO	NOx	ROG	PM10	PM2.5	CO2	CH4			
2.16	0.24	0.04	0.11	0.04	330.80	0.02	0.95	0.11	0.02	0.05	0.02	145.86	0.01	113.04		
2.60	4.66	0.25	0.15	0.14	26.00	0.00	6.71	12.01	0.63	0.39	0.36	67.06	0.01	52.07		
2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.47	8.00	0.42	0.26	0.24	44.71	0.01	34.71		
4.10	5.60	0.28	0.45	0.41	24.00	0.00	2.17	2.96	0.15	0.24	0.22	12.70	0.00	9.86		
3.70	5.32	0.28	0.30	0.28	33.00	0.00	1.55	2.23	0.12	0.13	0.12	13.82	0.00	10.73		
2.60	4.66	0.25	0.15	0.14	26.00	0.00	4.59	8.21	0.43	0.26	0.24	45.86	0.01	35.60		
3.70	5.60	0.28	0.30	0.28	24.00	0.00	3.26	4.94	0.25	0.26	0.24	21.16	0.00	16.43		
4.10	5.60	0.28	0.45	0.41	24.00	0.00	1.81	2.47	0.12	0.20	0.18	10.58	0.00	8.22		
2.16	0.24	0.04	0.11	0.04	330.80	0.02	0.95	0.11	0.02	0.05	0.02	145.86	0.01	4.82		
2.60	4.66	0.25	0.15	0.14	26.00	0.00	7.34	13.14	0.69	0.42	0.39	73.37	0.01	2.43		
Total Staging and Survey Work							33.80	54.17	2.85	2.25	2.02	580.98	0.06	287.91		
Earth Work Construction (CY)							2.16	0.24	0.04	0.11	0.04	330.80	0.02	328.18	0.02	32.53
4-Man Trucks (1-Ton)	195	Diesel	1	1		198	8	8.94	16.01	0.84	0.52	0.47	89.42	0.01	8.88	
1-Ton Crew Cab, 4x4	325	Diesel	1	1		198	2	3.73	6.53	0.34	0.21	0.20	37.26	0.01	3.70	
Scrapers 623F	365	Diesel	1	2		180	8	33.47	58.71	3.09	1.93	1.78	746.74	0.11	67.42	
Excavator Cat - 330	266	Diesel	1	2		100	4	12.20	21.84	1.15	0.70	0.65	131.36	0.02	6.59	
Loader 988F	430	Diesel	1	2		100	4	19.72	34.58	1.82	1.14	1.05	250.26	0.04	12.55	
Water Truck (5000 Gal)	250	Diesel	1	1		120	4	5.73	10.26	0.54	0.33	0.30	57.32	0.01	3.45	
22-ton Haul Trucks (carrying capacity 14 cy)				379	5298	120		46.47	191.83	7.64	7.84	4.88	66685.34	0.84	4002.17	
Rock Excavation (CY)							2.16	0.24	0.04	0.11	0.04	330.80	0.02	291.72	0.02	6.43
4-Man Trucks (1-Ton)	195	Diesel	1	1		44	8	8.94	16.01	0.84	0.52	0.47	89.42	0.01	1.97	
1-Ton Crew Cab, 4x4	325	Diesel	1	1		44	2	3.73	6.53	0.34	0.21	0.20	37.26	0.01	0.82	
Dozer D10R	570	Diesel	1	2		44	8	52.28	91.68	4.83	3.02	2.77	2131.22	0.32	47.03	
Loader 988F	430	Loader 988F	1	2		44	4	19.72	34.58	1.82	1.14	1.05	250.26	0.04	5.52	
Articulated Trucks Cat 773D	682	Diesel	1	2		44	4	31.27	54.85	2.89	1.80	1.66	396.93	0.06	8.76	
22-ton Haul Trucks (carrying capacity 14 cy)				375	5250	44		45.98	189.81	7.56	7.76	4.82	65981.54	0.83	1451.98	
Earth Backfill (CY)							2.16	0.24	0.04	0.11	0.04	330.80	0.02	474.04	0.03	15.66
4-Man Trucks (1-Ton)	195	Diesel	1	1		66	8	8.94	16.01	0.84	0.52	0.47	89.42	0.01	2.96	
1-Ton Crew Cab, 4x4	325	Diesel	1	1		66	2	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.23	
Loader 988F	430	Diesel	1	2		66	8	39.44	69.16	3.64	2.28	2.09	500.53	0.07	16.57	
Grader 16H	297	Diesel	1	2		40	4	13.62	24.38	1.28	0.79	0.72	303.81	0.04	6.10	
Roller\ 815(sheep-Foot)	232	Diesel	1	2		40	4	10.64	19.05	1.00	0.61	0.56	237.32	0.04	4.76	
Bottom Dump Truck (22T)	380	Diesel	1	4		20	8	69.70	122.24	6.43	4.02	3.70	697.00	0.10	6.99	
Water Truck (5000 Gal)	250	Diesel	1	1		20	4	5.73	10.26	0.54	0.33	0.30	57.32	0.01	0.57	
22-ton Haul Trucks (carrying capacity 14 cy)				368	5152	66		45.12	186.26	7.42	7.61	4.73	64749.88	0.81	2137.31	
Utilities/Crew (LF)							2.16	0.24	0.04	0.11	0.04	330.80	0.02	218.79	0.01	9.64
4-Man Trucks (1-Ton)	195	Diesel	1	1		88	6	6.71	12.01	0.63	0.39	0.36	67.06	0.01	2.96	
1-Ton Crew Cab, 4x4	325	Diesel	1	1		88	2	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.64	
Excavator Cat - 330	266	Diesel	1	1		60	6	9.15	16.38	0.86	0.53	0.49	98.52	0.01	2.96	
4-Man Trucks (1-Ton)	150	Diesel	1	1		40	2	1.72	3.08	0.16	0.10	0.09	17.20	0.00	0.34	
Loader 988F	430	Diesel	1	1		60	4	9.86	17.29	0.91	0.57	0.52	125.13	0.02	3.77	
RET-Walls (SF)							2.16	0.24	0.04	0.11	0.04	330.80	0.02	437.58	0.03	19.28
4-Man Trucks (1-Ton)	195	Diesel	2	2		88	6	13.41	24.01	1.26	0.77	0.71	134.13	0.02	5.92	
1-Ton Crew Cab, 4x4	325	Diesel	2	1		88	2	3.73	6.53	0.34	0.21	0.20	37.26	0.01	1.64	
Excavator Cat - 330	266	Diesel	2	1		60	6	9.15	16.38	0.86	0.53	0.49	98.52	0.01	2.96	
Loader 988F	430	Diesel	2	1		60	2	4.93	8.65	0.46	0.28	0.26	62.57	0.01	1.88	
Crane RT (18 T)	155	Diesel	2	2		40	6	15.17	19.09	1.00	0.90	0.83				

Appendix B: CO Hot-Spot Analysis

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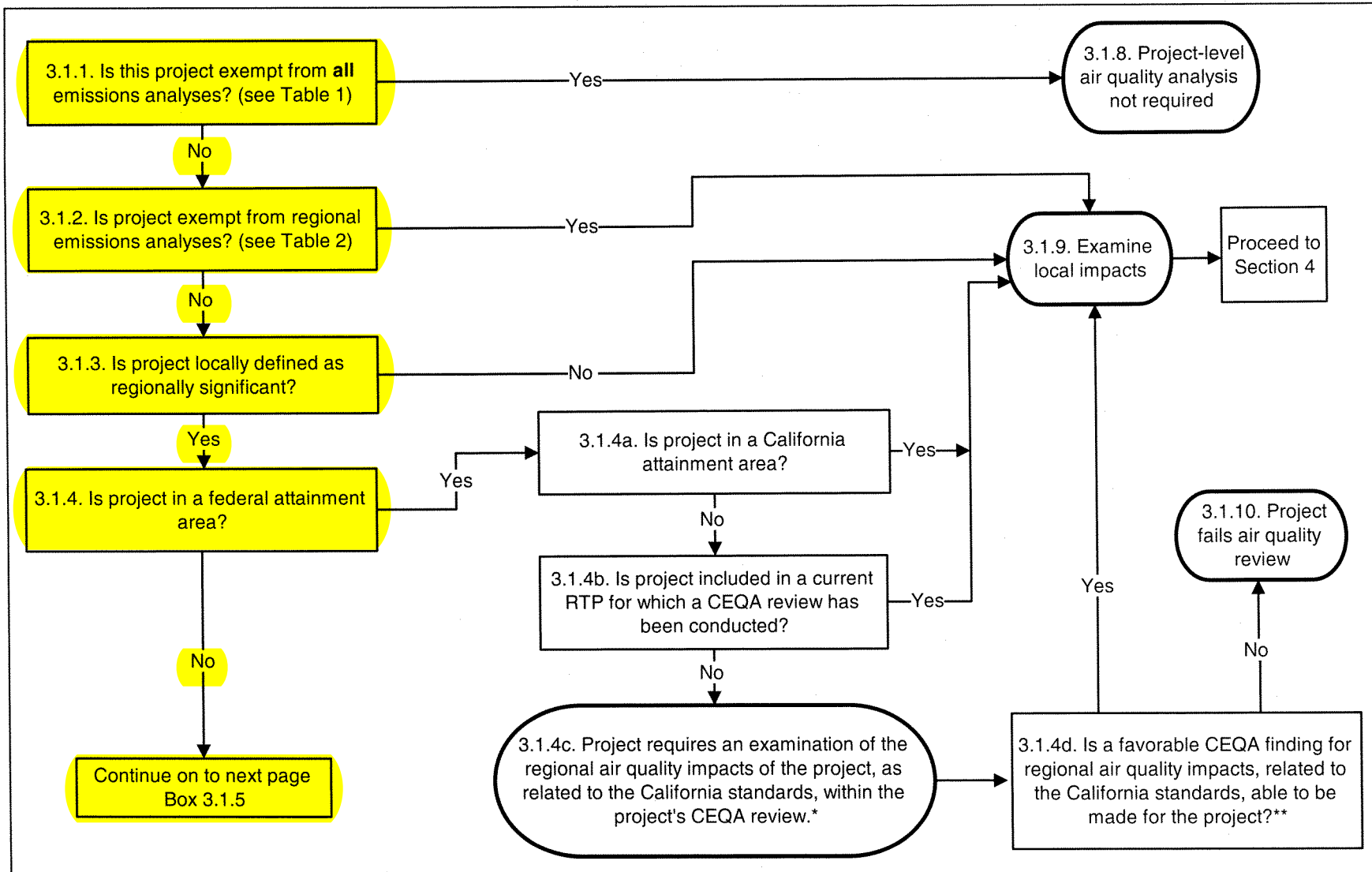


Figure 1. Requirements for New Projects

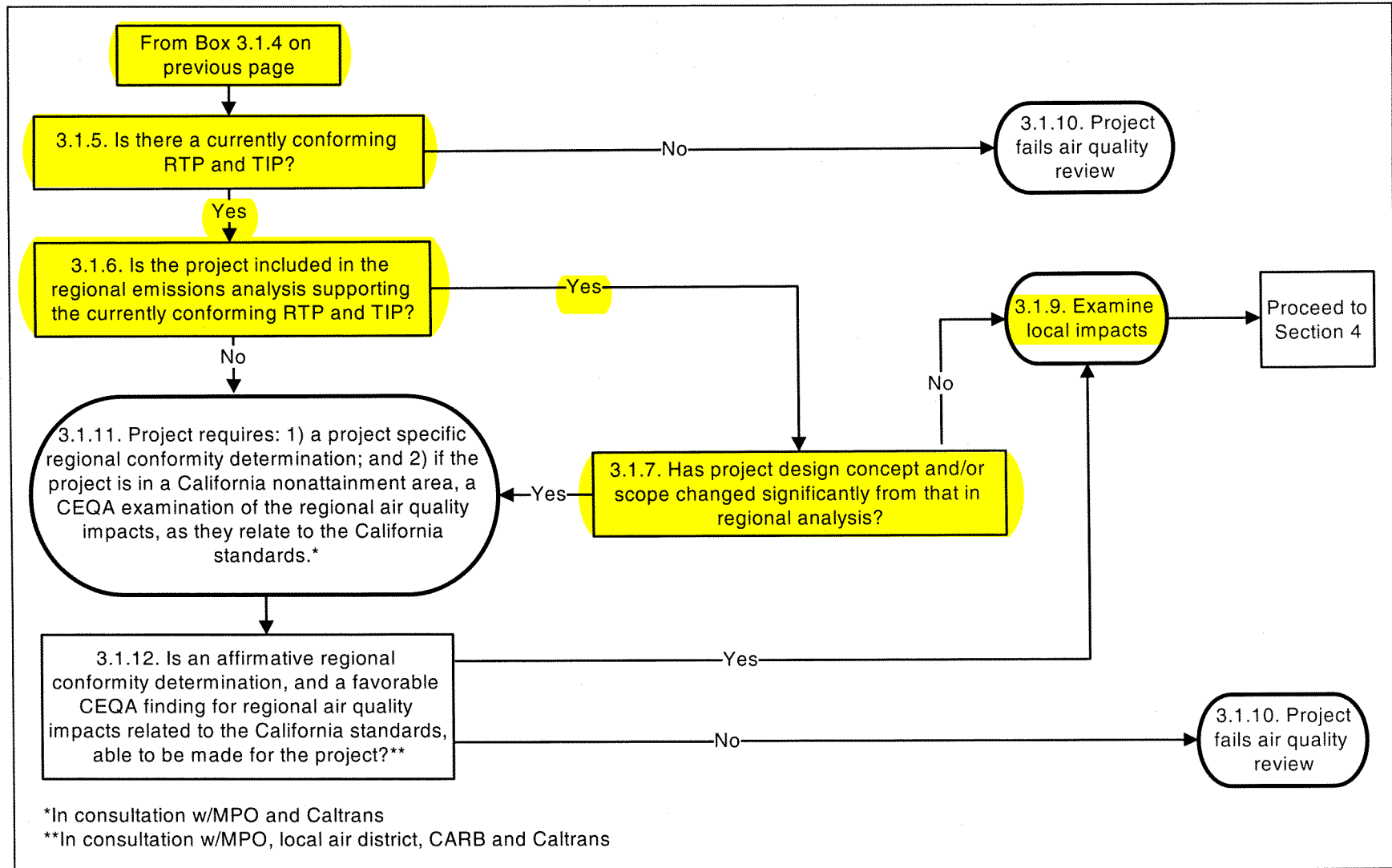


Figure 1 (cont.). Requirements for New Projects

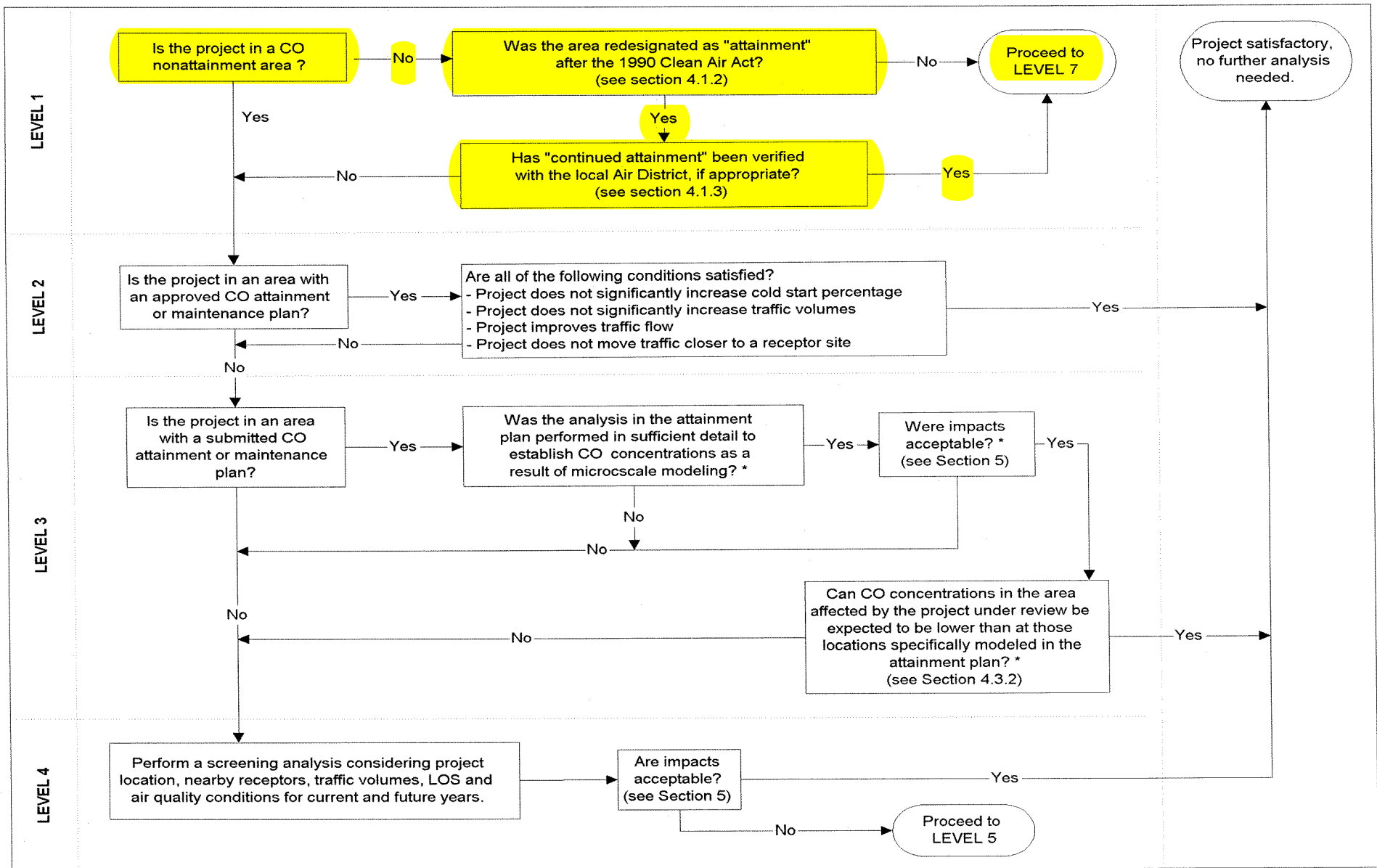


Figure 3. Local CO Analysis

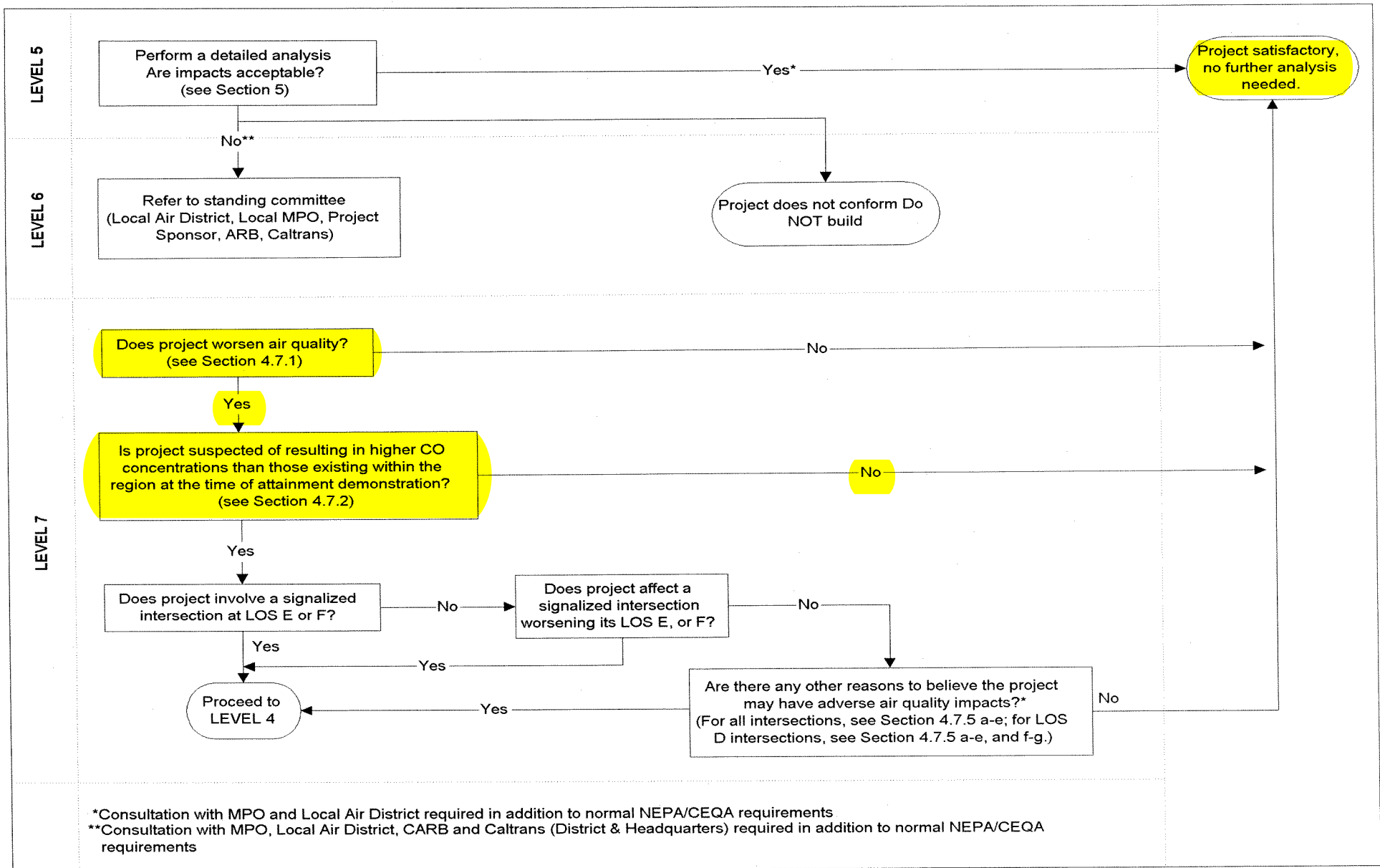


Figure 3 (cont.). Local CO Analysis

Appendix C: FTIP and RTP Project Listings

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2015 Federal Transportation Improvement Program

Los Angeles County
State Highway
Including Amendments 1-2
(In 000's)

ProjectID	County	Air Basin	Model	RTP ID	Program	Route	Begin	End	System	Conformity Category	Amendment
LA0G1138	Los Angeles	SCAB		LA990921	PLN40	710	4.9	24.9	S	EXEMPT - 93.126	1
Description:							PTC	3,000	Agency	LOS ANGELES COUNTY MTA	

Improvements to I-710 Soundwalls. The purpose of this project is to mitigate noise levels and provide aesthetic treatments on the 710 soundwalls.

Fund	ENG	R/W	CON	Total	Prior	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
MEASURE R 20H - HIGHWAY CAPITAL	3,000			3,000		3,000						3,000
LA0G1138 Total	3,000			3,000		3,000						3,000

ProjectID	County	Air Basin	Model	RTP ID	Program	Route	Begin	End	System	Conformity Category	Amendment
LA0B952	Los Angeles	SCAB		LA0B952	PLN40	710	5	25	S	EXEMPT - 93.126	0
Description:							PTC	56,500	Agency	LOS ANGELES COUNTY MTA	

Route 710: Reconstruct I-710 Interchanges at I-5, at I-405, at SR 91, and at I-105. As part of the I-710 Corridor Program proposing 4 truck lanes (ports-rail yards), 10 general lanes (port-SR-60)(ISTEA ID # 37)(SAFTEA-LU 3773). (see additional description in the general comments section)

Fund	ENG	R/W	CON	Total	Prior	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
DEMO - ISTE A	570			570	570							570
DEMO-SAFETEA-LU	5,500			5,500	5,500							5,500
GENERAL FUNDS	2,000			2,000	2,000							2,000
LOCAL TRANS FUNDS	1,000			1,000	1,000							1,000
MEASURE R 20H - HIGHWAY CAPITAL	16,000			16,000	13,000	3,000						16,000
PROP "C25" FUNDS	4,430			4,430	4,430							4,430
PORT FUNDS	10,000			10,000	10,000							10,000
PRIVATE FUNDS	2,000			2,000	2,000							2,000
STATE CASH - IIP	10,000			10,000	10,000							10,000
STATE CASH - RIP	5,000			5,000	5,000							5,000
LA0B952 Total	56,500			56,500	53,500	3,000						56,500

ProjectID	County	Air Basin	Model	RTP ID	Program	Route	Begin	End	System	Conformity Category	Amendment
18790	Los Angeles	SCAB		18790	PLN40	710	26.5	32.7	S	EXEMPT - 93.126	0
Description:							PTC	70,454	Agency	CALTRANS	

Route 710: Study to perform alternative analysis, engineering and environmental studies to close 710 Freeway gap. (EA # 187901, PPN# 2215)

Fund	ENG	R/W	CON	Total	Prior	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
DEMO-SAFETEA-LU	2,400			2,400		2,400						2,400
MEASURE R	59,000			59,000	59,000							59,000
STATE CASH - IPP PRIOR	4,054			4,054	4,054							4,054
STATE CASH - RIP PRIOR	5,000			5,000	5,000							5,000
18790 Total	70,454			70,454	68,054	2,400						70,454

County	System	Lead Agency	RTP ID	FTIP ID	Begin PM	End PM	Route #	Route Name	From	To	Description	Roadway Segment: Route Name	Roadway Segment: Length	Roadway Segment: From	Roadway Segment: To	Roadway Segment: Description	Roadway Segment: Existing Lanes	Roadway Segment: Proposed Lanes	Transit Segment: Route	Additional Details	RTP Baseline	Project Completion Year*		
Los Angeles	State Highway	LONG BEACH	LA000512	LA000512	3,6	5	710	Ocean Boulevard			BRIDGE NO. 53C0065, OCEAN BLVD. OVER ENTRANCE CHANNEL. UP RR, 1.0 MI E STATE ROUTE 47, Replace existing 5 lane Gerald Desmond Bridge (GDB) with new 6 lane bridge.	710	2000	Pico Avenue	SR-47	Replace 5-lane bridge with a 6-lane bridge	5	6					2018	
Los Angeles	State Highway		1M0101				710	SR-710	Valley Boulevard	California Bl & Pasadena Ave	SR-710 North Extension (tunnel) (alignment TBD)									4 toll lanes in each direction in tunnel		2027		
Los Angeles	Transit	SANTA CLARITA	LA0G774								Vista Canyon Ranch Transit Center - relocate the existing, temporary Via Princessa Metrolink Station to the Vista Canyon project site. The Vista Canyon Transit Station will consist of a Metrolink Station and Bus Transfer Station. Additionally, the station will include a pedestrian overpass or undercrossing of the tracks and an adjacent parking structure with up to 750 parking spaces. Project using \$100 of toll credits for each phase (ENG, ROW & CONS \$300 in total) to match 5307 funds.												2018	
Los Angeles	Transit	LOS ANGELES, CITY OF	LA0G901	LA0G901	0	0					Historic Los Angeles Streetcar											2018		
Los Angeles	Transit	AZUSA	1O0705	LAF3434	0	0	0				Azusa Intermodal Transit Center. Construct regional Azusa Intermodal Transit Center to accommodate existing and future parking demand and support effective transit use. Park n Ride, the structure would be located on the southeast quadrant of Alameda Ave.									NA			2015	
Los Angeles	Transit	BALDWIN PARK	LAE0076	LAE0076	0	0	0				Baldwin Park Metrolink Station (3825 Downing Ave). CONSTRUCT ADD'L VEHICLE PARKING (200 TO 400 SPACES), BICYCLE PARKING LOT AND PEDESTRIAN REST AREA AT THE TRANSIT CENTER. SAFTA-A-LU 76, E2009-BUSP-060 (page 20059 in FTA 2009 Earmarks)									Metrolink		X	2014	
Los Angeles	Transit	BURBANK	LAF1455	LAF1455	0	0	0				Cross-Town Transit Connector and Service Expansion. Funds to acquire two (2) CNG buses to implement new local transit service between North Hollywood Red Line Station and Downtown Burbank.									N/A		X	2015	
Los Angeles	Transit	BURBANK	LAF1455	LAF1455	0	0	0				Cross-Town Transit Connector and Service Expansion. Funds to acquire two (2) CNG buses to implement new local transit service between North Hollywood Red Line Station and Downtown Burbank.									na		X	2015	
Los Angeles	Transit	BURBANK GLENDALE PASADENA AIRPORT	7120010	LA000789A	0	0	0				Burbank-Glendale-Pasadena Airport Intermodal Ground Access Link: construction of a link between the airport and other transportation services, including construction of a new Metrolink station at Hollywood Way/San Fernando Road on the Antelope Valley Line									Metrolink - Antelope Valley Line			2018	
Los Angeles	Transit	FOOTHILL TRANSIT ZONE	LA0B311	LA0B311	0	0	0				Park and Ride Facilities (Transit Oriented Neighborhood Program)3 Park and Rides located in the cities of Azusa, Industry, and West Covina.									497 & 493		X	2014	
Los Angeles	Transit	FOOTHILL TRANSIT ZONE	LA0B311	LA0B311	0	0	0				Park and Ride Facilities (Transit Oriented Neighborhood Program)3 Park and Rides located in the cities of Azusa, Industry, and West Covina.									Azusa		X	2014	
Los Angeles	Transit	FOOTHILL TRANSIT ZONE	LA0B311	LA0B311	0	0	0				Park and Ride Facilities (Transit Oriented Neighborhood Program)3 Park and Rides located in the cities of Azusa, Industry, and West Covina.									West Covina		X	2014	
Los Angeles	Transit	FOOTHILL TRANSIT ZONE	LA0G142	LA0G142	0	0	0				LACRD - 12 buses for the L-10 El Mono Busway, HOT Line. (RTP# 1TR09D08 & 1TR09D07A)									1		X	2012	
Los Angeles	Transit	GARDENA	1AL04	LAF3306	0	0	0				Gardena Municipal Bus Lines Line #1X TSP (Transit Signal Synchronization Project 21-signals). Project will implement Transit Signal Priority along its Line #1X to reduce transit travel times and enhance on-time performance. City of Gardena. Marine Avenue.										N/A			2018
Los Angeles	Transit	LONG BEACH	LA0C8237	LA0C8237	0	0	0				LONG BEACH PARK AND RIDE FACILITY AT 4TH AND PACIFIC. SOUTH OF THE MTA BLUE LINE PACIFIC STATION. 100 DEDICATED, TRANSIT ORIENTED SPACES IN MIXED USE DEVELOPMENT										Metro Blue Line		X	2014
Los Angeles	Transit	LONG BEACH	LAE0332	LAE0332	0	0	0				LONG BEACH PARK AND RIDE FACILITY AT 3RD STREET AND PACIFIC AVE SOUTH OF THE MTA BLUE LINE PACIFIC STATION. 300 TO 500 SPACE AND INCLUDE RESIDENTIAL AND COMMERCIAL DEVELOPMENT										Metro Blue Line		X	2012
Los Angeles	Transit	LOS ANGELES COUNTY	1TL104	LAF1414	0	0	0				Third Street & La Verne Avenue Parking Structure. Construct a parking structure at Third Street and La Verne Avenue to provide 370 space park and ride lot for Gold Line transit users.										Gold Line		X	2018

* Represents the Plan network year for which the project was analyzed for the RTP/SCS modeling and regional emissions analysis

Appendix D: PM Hot-Spot Analysis

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FTIP ID# 18790
TCWG Consideration Date May 27, 2014
PROJECT DESCRIPTION <p>The California Department of Transportation (Caltrans), in cooperation with the Los Angeles County Metropolitan Transportation Authority (Metro) proposes transportation improvements to improve mobility and relieve congestion in the area between State Route 2 (SR 2) and Interstates 5, 10, 210 and 605 (I-5, I-10, I-210, and I-605, respectively) in east/northeast Los Angeles and the western San Gabriel Valley. The study area for the State Route 710 (SR 710) North Study is approximately 100 square miles and generally bounded by I-210 on the north, I-605 on the east, I-10 on the south, and I-5 and SR 2 on the west. Caltrans is the Lead Agency under the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA).</p> <p>The proposed alternatives for the project include the No Build Alternative, the Transportation System Management/Transportation Demand Management (TSM/TDM) Alternative, the Bus Rapid Transit (BRT) Alternative, the Light Rail Transit (LRT) Alternative, and the Freeway Tunnel Alternative. Components of the TSM/TDM Alternative will also be included with the BRT, LRT and Freeway Tunnel Alternatives.</p> <p>The No Build Alternative includes projects/planned improvements through 2035 that are contained in the Federal Transportation Improvement Program (FTIP), as listed in the Southern California Association of Governments (SCAG) 2012 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) Measure R and the funded portion of Metro’s 2009 Long Range Transportation Plan (LRTP). The No Build Alternative does not include any planned improvements to the SR 710 Corridor.</p> <p>The TSM/TDM Alternative consists of strategies and improvements to increase efficiency and capacity for all modes in the transportation system with lower capital cost investments and/or lower potential impacts. The TSM/TDM Alternative is designed to maximize the efficiency of the existing transportation system by improving capacity and reducing the effects of bottlenecks and chokepoints. TSM strategies include Intelligent Transportation Systems (ITS), local street and intersection improvements, and Active Traffic Management (ATM). The TDM strategies include expanded bus service, bus service improvements, and bicycle improvements.</p> <p>The BRT Alternative would provide high-speed, high-frequency bus service through a combination of new, dedicated, and existing bus lanes, and mixed-flow traffic lanes to key destinations between East Los Angeles and Pasadena.</p> <p>The LRT Alternative would include passenger rail operated along a dedicated guideway, similar to other Metro light rail lines. The LRT Alternative would begin on Mednik Avenue adjacent to the existing East Los Angeles Civic Center Station on the Metro Gold Line and end at Raymond Avenue adjacent to the existing Fillmore Station on the Metro Gold Line.</p> <p>The Freeway Tunnel Alternative would start at the existing southern stub of SR 710 in Alhambra, just north of I-10, and connect to the existing northern stub of SR 710, south of the I-210/State Route 134 (SR 134) interchange in Pasadena. The Freeway Tunnel Alternative has two design variations: a dual-bore tunnel and a single-bore tunnel.</p>

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Operational variations for the Freeway Tunnel Alternative include:					
<ul style="list-style-type: none"> • Freeway Tunnel Alternative without tolls; • Freeway Tunnel Alternative with trucks excluded; • Freeway Tunnel Alternative with tolls; • Freeway Tunnel Alternative with tolls and trucks excluded; and • Freeway Tunnel Alternative with toll and express bus. 					
Type of Project					
TSM/TDM Alternative: Change to existing regionally significant street					
BRT Alternative: Change to existing regionally significant street					
LRT Alternative: Bus, rail, or inter-modal facility/terminal/transfer point					
Freeway Tunnel Alternatives: New state highway					
County Los Angeles	Narrative Location/Route & Postmiles: 07-LA-710 Caltrans Projects – EA# 187900				
Lead Agency: Caltrans District 7					
Contact Person Andrew Yoon	Phone# 213.897.6117	Fax# 213.897.1634	Email andrew_yoon@dot.ca.gov		
Hot Spot Pollutant of Concern (<i>check one or both</i>) PM2.5 x PM10 x					
Federal Action for which Project-Level PM Conformity is Needed (<i>check appropriate box</i>)					
Categorical Exclusion (NEPA)	x	EA or Draft EIS	FONSI or Final EIS	PS&E or Construction	Other
Scheduled Date of Federal Action: 2016					
NEPA Assignment – Project Type (<i>check appropriate box</i>)					
Exempt		Section 326 –Categorical Exemption		x	Section 327 – Non- Categorical Exemption
Current Programming Dates (<i>as appropriate</i>)					
	PE/Environmental	ENG	ROW	CON	
Start	2011	2016	2018	2018	
End	2016	2018	2018	2025	

Project Purpose and Need (Summary): *(attach additional sheets as necessary)*

Purpose of the Project

Due to the lack of continuous north-south transportation facilities in the study area, there is congestion on freeways, cut-through traffic that affects local streets, and low-frequency transit operations in the study area. Therefore, the following project purpose has been established.

The purpose of the proposed action is to effectively and efficiently accommodate regional and local north-south travel demands in the study area of the western San Gabriel Valley and east/northeast Los Angeles, including the following considerations:

- Improve efficiency of the existing regional freeway and transit networks.
- Reduce congestion on local arterials adversely affected due to accommodating regional traffic volumes.
- Minimize environmental impacts related to mobile sources.

Need for the Project

The study area is centrally located within the extended urbanized area of Southern California. With few exceptions, the area from Santa Clarita in the north to San Clemente in the south (a distance of approximately 90 miles [mi]) is continuously urbanized. Physical features such as the San Gabriel Mountains and Angeles National Forest on the north, and the Puente Hills and Cleveland National Forest on the south, have concentrated urban activity between the Pacific Ocean and these physical constraints. This urbanized area functions as a single social and economic region that is identified by the Census Bureau as the Los Angeles-Long Beach-Santa Ana Metropolitan Statistical Area (MSA).

There are seven major east-west freeway routes:

- State Route 118 (SR 118)
- United States Route 101 (US-101)/State Route 134 (SR 134)/I-210
- I-10
- State Route 60 (SR 60)
- Interstate 105 (I-105)
- State Route 91 (SR 91)
- State Route 22 (SR 22)

There are seven major north-south freeway routes:

- Interstate 405 (I 405)
- US-101/State Route 170 (SR 170)
- I-5
- Interstate 110 (I-110)/State Route 110 (SR 110)
- Interstate 710 (I-710)
- I-605
- State Route 57 (SR 57)

All of these major routes are located in the central portion of the Los Angeles-Long Beach-Santa Ana MSA. Of the seven north-south routes, four are located partially within the study area (I-5, I 110/SR 110, I-710, and I-605), two of which (I-110/SR 110 and I-710) terminate within the study area without connecting to another freeway. As a result, a substantial amount of north-south regional travel demand is concentrated on a few freeways, or diverted to local streets within the study area. This effect is exacerbated by the overall southwest-to-northeast orientation of I-605, which makes it an unappealing route for traffic between the southern part of the region and the urbanized areas to the northwest in the San Fernando Valley, the Santa Clarita Valley, and the Arroyo-Verdugo region.

<p>The lack of continuous north-south transportation facilities in the study area has the following consequences, which have been identified as the elements of need for the project:</p> <ul style="list-style-type: none"> • Degradation of the overall efficiency of the larger regional transportation system • Congestion on freeways in the study area • Congestion on the local streets in the study area • Poor transit operations within the study area
<p>Surrounding Land Use/Traffic Generators <i>(especially effect on diesel traffic)</i> Land uses within the project area include commercial, residential, and industrial developments. The majority of the sensitive receptors within or adjacent to the project area are residential, park, and school uses.</p>
<p>Opening Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility See attached analysis</p>
<p>RTP Horizon Year / Design Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility See attached analysis</p>
<p>Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT See attached analysis</p> <p>RTP Horizon Year / Design Year: If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT See attached analysis</p>
<p>Describe potential traffic redistribution effects of congestion relief <i>(impact on other facilities)</i> See attached analysis</p>
<p>Comments/Explanation/Details <i>(attach additional sheets as necessary)</i> See attached analysis</p>

PM_{2.5}/PM₁₀ Hot-Spot Analysis

The proposed project is located within a nonattainment area for federal PM_{2.5} standards and within an attainment/maintenance area for the federal PM₁₀ standards. Therefore, per 40 CFR Part 93 hot-spot analyses are required for conformity purposes. However, the EPA does not require hot-spot analyses, qualitative or quantitative, for projects that are not listed in section 93.123(b)(1) as an air quality concern.

According to 40 CFR Part 93.123(b)(1), the following are Projects of Air Quality Concern (POAQC) :

- i. New highway projects have a significant number of diesel vehicles, and expanded highway projects that have a significant increase in the number of diesel vehicles;
- ii. Projects affecting intersections that are at a Level of Service D, E, or F with a significant number of diesel vehicles, or those that will change to Level of Service D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project;
- iii. New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location;
- iv. Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location; and
- v. Projects in or affecting locations, areas or categories of sites which are identified in the PM_{2.5} and PM₁₀ applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.

Not all of the project alternatives qualify as a POAQC because of the following reasons:

- i. In addition to the No Build Alternative, the proposed project includes the following build alternatives and their design and operational variations: TSM/TDM, BRT, LRT, Dual Bore No Toll, Dual Bore No Trucks, Dual Bore with Tolls, Single Bore with Tolls, Single Bore with Tolls and No Trucks, and Single Bore with Tolls and Express Buses. Tables 2 through 6 list the opening year average daily traffic (ADT) and truck ADT volumes along the highways within the project area for each of the proposed build alternatives that meet the Clean Air Act requirements and 40 CFR 93.116 without any explicit hot-spot analysis. Tables 7 through 11 list the horizon year ADT and truck ADT volumes along the highways within the project area for each of the proposed build alternatives that also meet the Clean Air Act requirements and 40 CFR 93.116 without any explicit hot-spot analysis. These tables also compare the ADT and Truck ADT volumes associated with the Build Alternatives to the No Build conditions. Tables 12 through 19 list the opening and horizon year ADT and truck ADT volumes along the highways within the project area for each of the proposed build alternatives that do not meet the Clean Air Act requirements or 40 CFR 93.116 and may need an explicit hot-spot analysis. The March 2006 conformity rule indicates that a new transportation facility with 8 percent or more diesel truck traffic, or more than 10,000 average daily truck trips, would warrant a PM_{2.5} hot-spot analysis. As shown in Tables 2 through 11, for the TSM/TDM, BRT, LRT, Dual Bore Tunnel with No Trucks, and Single Bore Tunnel with Tolls and No Trucks alternatives, although some of the truck percentages would exceed 8 percent, the project related increase in truck ADT would not exceed the 10,000 truck trip criterion for a POAQC at any of the highway links within the project area. However, as shown in Tables 12

through 19, the dual bore and single bore tunnel design variations that include truck traffic would result in project related increases in truck ADT that would exceed the 10,000 truck trip criterion for a POAQC.

- ii. The Traffic Technical Report (CH2MHill, April 2014) evaluated the impact of the proposed project alternatives on 156 intersections within the project area. All of the Build Alternatives would result in the level of service (LOS) of at least one intersection degrading to F within the project area. However, based on the traffic data listed in Tables 2 through 11, the TSM/TDM, BRT, LRT, Dual Bore Tunnel with No Trucks, and Single Bore Tunnel with Tolls and No Trucks alternatives would not affect intersections that are at LOS D, E, or F with a significant number of diesel vehicles.
- iii. The proposed project does not include the construction of a new bus or rail terminal that would have a significant number of diesel vehicles congregating at a single location.
- iv. The proposed project does not expand an existing bus or rail terminal that would significantly increase the number of diesel vehicles congregating at a single location.
- v. The proposed project is not in or affecting locations, areas, or categories of sites that are identified in the PM_{2.5} and PM₁₀ applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.

Therefore, as shown in Table 1, the TSM/TDM, BRT, LRT, and the No Truck operational variations of the Freeway Tunnel Alternative (both dual and single bore design variations) meet the Clean Air Act requirements and 40 CFR 93.116 without any explicit hot-spot analysis. If and when any of the three operational variations of the Freeway Tunnel Alternatives (both dual and single bore design variations) that include truck traffic is selected as the preferred alternative a revised form will be submitted for review and concurrence by the TCWG. A detailed hot-spot analysis may be required in this case. These operational variations include the following:

- Freeway Tunnel Alternative without tolls;
- Freeway Tunnel Alternative with tolls; and
- Freeway Tunnel Alternative with toll and express bus,

Table 1: Traffic Volume Summary and Analysis Need

Build Alternatives that Meet the Clean Air Act Requirements and 40 CFR 93.116 Without Any Explicit Hot-Spot Analysis
Opening Year (2020 or 2025)
TSM/TDM
BRT
LRT
Dual Bore No Toll and without Trucks
Single Bore with Tolls and without Trucks
Future Year (2035)
TSM/TDM
BRT
LRT
Dual Bore No Toll and without Trucks
Single Bore with Tolls and without Trucks
Build Alternatives that Do Not Meet the Clean Air Act Requirements or 40 CFR 93.116 Explicit Hot-Spot Analysis May be Required
Opening Year (2020 or 2025)
Dual Bore No Toll
Dual Bore with Tolls
Single Bore with Tolls
Single Bore with Tolls and Express Bus
Future Year (2035)
Dual Bore No Toll
Dual Bore with Tolls
Single Bore with Tolls
Single Bore with Tolls and Express Bus

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 2: 2020 TSM/TDM Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	255,473	24,701	255,006	24,761	9.7	-467	61
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	286,650	29,534	285,398	29,567	10.4	-1,251	33
I-210	Rosemead Boulevard	San Gabriel Boulevard	326,076	30,160	325,117	30,194	9.3	-960	34
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	352,422	30,513	351,828	30,565	8.7	-594	52
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	255,077	17,737	254,625	17,792	7.0	-452	55
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	49,798	813	52,166	963	1.8	2,368	149
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	165,631	15,182	168,087	15,341	9.1	2,456	159
I-210	Lincoln Avenue	SR 2	157,864	15,009	159,427	15,123	9.5	1,563	114
I-210	SR 2	La Crescenta Avenue	156,582	15,606	156,865	15,676	10.0	283	70
SR 2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	94,006	5,007	92,185	4,966	5.4	-1,821	-41
SR 2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	116,761	6,859	114,633	6,838	6.0	-2,128	-21
SR 2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	181,917	10,037	180,056	10,030	5.6	-1,862	-7
SR 2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	68,904	3,454	68,100	3,140	4.6	-803	-314
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	250,473	22,141	251,318	22,224	8.8	845	82
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	284,862	26,363	284,457	26,316	9.3	-405	-47
I-5	I-5 and SR 110 Interchange	I-5 and SR 110 Interchange	246,392	27,014	245,009	26,602	10.9	-1,384	-412

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
	North Termini	South Termini							
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	299,949	28,448	297,845	28,228	9.5	-2,104	-220
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	230,486	18,924	228,622	20,530	9.0	-1,864	1,605
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	285,415	20,949	284,411	22,657	8.0	-1,003	1,707
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	252,041	15,997	251,206	16,052	6.4	-836	55
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	277,694	16,959	276,654	17,008	6.1	-1,041	48
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	278,932	16,903	278,204	16,936	6.1	-728	33
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	226,004	15,089	225,517	15,144	6.7	-487	55
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	49,798	813	52,166	963	1.8	2,368	149
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	58,745	1,796	98,645	3,047	3.1	39,901	1,250
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	74,500	2,778	107,766	3,614	3.4	33,267	836
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	159,340	11,831	169,056	10,212	6.0	9,716	-1,619
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	181,798	6,486	184,929	6,242	3.4	3,131	-244
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	303,326	18,288	306,110	16,721	5.5	2,784	-1,568
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	235,409	10,448	237,243	10,383	4.4	1,834	-64
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	290,737	12,206	289,465	12,170	4.2	-1,272	-36

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	245,586	11,363	247,050	11,362	4.6	1,465	-2
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	242,106	13,155	242,822	13,164	5.4	716	9
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	32,501	1,983	32,163	2,014	6.3	-338	30
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	150,120	14,784	148,959	14,747	9.9	-1,161	-37
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	180,349	16,143	179,327	16,086	9.0	-1,022	-57
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	205,703	20,443	204,585	20,413	10.0	-1,117	-30
SR 110	Glenarm Street	S Avenue 52	97,146	0	96,275	0	0.0	-870	0
SR 110	S Avenue 52	SR 110 and I-5 Interchange North Termini	148,169	0	146,478	0	0.0	-1,690	0
SR 110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	126,566	0	126,830	0	0.0	263	0
Colorado	S. Verdugo Road	N. Figueroa Street	24,640	239	24,750	242	1.0	111	3
Colorado	N. Figueroa Street	N. Lake Avenue	9,564	141	9,731	134	1.4	167	-6
Colorado	N. Lake Avenue	N. Hill Avenue	7,082	0	7,250	0	0.0	167	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	8,973	46	8,900	42	0.5	-73	-5
Colorado	San Gabriel Boulevard	Rosemead Boulevard	7,459	44	7,203	40	0.6	-257	-4
Colorado	Rosemead Boulevard	Huntington Drive	12,039	106	11,697	104	0.9	-342	-2
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	19,845	314	19,652	313	1.6	-193	-1
Huntington	Santa Anita Avenue	Rosemead Boulevard	38,134	650	38,802	660	1.7	668	10
Huntington	Rosemead Boulevard	San Gabriel Boulevard	48,044	1,030	49,885	1,064	2.1	1,841	34
Huntington	San Gabriel Boulevard	Garfield Avenue	52,728	628	56,046	668	1.2	3,318	40
Huntington	Garfield Avenue	Fremont Avenue	47,725	712	45,858	747	1.6	-1,867	35

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Fremont Avenue	Eastern Avenue	56,985	927	57,131	1,007	1.8	146	80
Huntington	Eastern Avenue	N. Mission Road	41,175	600	40,494	606	1.5	-682	6
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	39,595	381	37,972	377	1.0	-1,623	-4
E Live Oak	Commerce Drive (East of I-605)	Peck Road	37,461	978	37,201	966	2.6	-259	-12
E Live Oak	Peck Road	Santa Anita Avenue	23,652	312	23,245	292	1.3	-407	-20
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,510	197	17,938	180	1.0	-572	-16
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,048	211	23,396	199	0.9	-652	-12
Las Tunas Dr	Garfield Avenue	Palm Avenue	20,418	177	20,530	206	1.0	112	29
Las Tunas Dr	Palm Avenue	Huntington Drive	21,939	303	21,913	398	1.8	-26	95
Valley	I-605	Santa Anita Avenue	38,669	584	38,346	578	1.5	-323	-6
Valley	Santa Anita Avenue	Rosemead Boulevard	30,822	329	28,809	320	1.1	-2,012	-9
Valley	Rosemead Boulevard	San Gabriel Boulevard	24,557	185	24,577	183	0.7	20	-1
Valley	San Gabriel Boulevard	Garfield Avenue	18,387	116	18,990	110	0.6	603	-6
Valley	Garfield Avenue	Atlantic Boulevard	10,846	69	10,611	68	0.6	-235	-2
Valley	Atlantic Boulevard	Fremont Avenue	12,053	134	11,339	92	0.8	-713	-42
Valley	Fremont Avenue	SR 710 Ramp	50,566	1,383	49,952	1,390	2.8	-613	7
Valley	SR 710 Ramp	N. Mission Road	14,812	435	7,376	218	3.0	-7,436	-217
Myrtle Ave	Colorado Boulevard	I-210	16,033	265	16,019	283	1.8	-14	18
Myrtle Ave	I-210	Live Oak Avenue	32,231	604	32,040	609	1.9	-191	5
Peck Rd	Live Oak Avenue	Valley Boulevard	27,554	439	27,020	445	1.6	-535	7
Peck Rd	Valley Boulevard	Garvey Avenue	39,490	415	39,156	416	1.1	-334	1
Santa Anita	Colorado Boulevard	Las Tunas Drive	25,460	393	25,336	369	1.5	-124	-23
Santa Anita	Las Tunas Drive	Valley Boulevard	28,601	438	28,245	420	1.5	-355	-18
Santa Anita	Valley Boulevard	Garvey Avenue	40,329	1,192	38,955	1,164	3.0	-1,374	-28

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Rosemead	Orange Grove Boulevard	Huntington Drive	33,324	455	33,387	446	1.3	63	-9
Rosemead	Huntington Drive	Las Tunas Drive	34,999	627	35,597	634	1.8	598	6
Rosemead	Las Tunas Drive	Valley Boulevard	44,609	715	50,779	803	1.6	6,170	88
Rosemead	Valley Boulevard	Garvey Avenue	64,279	1,158	69,241	1,239	1.8	4,962	81
San Gabriel	I-210	Huntington Drive	31,620	783	31,325	790	2.5	-295	7
San Gabriel	Huntington Drive	Las Tunas Drive	44,316	658	43,494	666	1.5	-822	8
San Gabriel	Las Tunas Drive	Valley Boulevard	39,686	571	37,818	558	1.5	-1,868	-13
San Gabriel	Valley Boulevard	Garvey Avenue	34,937	517	33,694	531	1.6	-1,243	14
Fremont	Valley Boulevard	Huntington Drive	49,363	1,291	52,241	1,357	2.6	2,878	66
Fremont	Huntington Drive	Garfield Avenue	25,104	486	29,767	592	2.0	4,663	107
Fremont	Garfield Avenue	Columbia Street	23,441	515	25,170	585	2.3	1,729	71
Garfield	Fremont Avenue	Huntington Drive	12,227	46	13,050	34	0.3	823	-12
Garfield	Huntington Drive	W. Main Street	46,738	387	46,813	392	0.8	75	5
Garfield	W. Main Street	Valley Boulevard	43,279	404	42,552	352	0.8	-726	-52
N Atlantic	Huntington Drive	Main Street	44,610	594	46,368	663	1.4	1,757	69
N Atlantic	Main Street	Valley Boulevard	52,542	846	51,272	784	1.5	-1,271	-62
N Atlantic	Valley	I-10	49,770	795	48,763	749	1.5	-1,007	-46
N Atlantic	I-10	SR 60	38,512	457	37,919	454	1.2	-593	-3
N Atlantic	SR 60	Whittier Boulevard	40,681	644	40,077	674	1.7	-605	30
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	53,082	308	52,701	278	0.5	-381	-30
S Los Robles	Corson Street	Huntington Drive	17,733	205	17,541	193	1.1	-193	-12
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,314	302	26,773	298	1.1	459	-4
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,409	393	23,059	373	1.6	-349	-20
N Figueroa	York Boulevard	I-5	26,210	970	25,717	925	3.6	-492	-45
York	Eagle Rock Boulevard	N. Figueroa Street	18,214	124	18,563	129	0.7	349	4

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
N Mission Rd	Huntington Drive	Marengo Street	20,479	405	19,536	391	2.0	-942	-15
Foothill Blvd	Rosemont Avenue	SR 2	14,693	101	14,681	101	0.7	-11	0
Foothill Blvd	SR 2	Angeles Crest Highway	9,691	57	9,751	57	0.6	60	0
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	6,963	72	7,200	75	1.0	236	4
Angeles Crest	SR 2	Angeles Forest Highway	33,201	1,499	33,243	1,523	4.6	42	24
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,455	10	6,249	10	0.2	-207	0
Chevy Chase	Descano Drive	Highland Drive	1,264	3	1,270	3	0.2	7	0
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,760	10	2,764	10	0.4	4	0

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 3: 2020 BRT Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	255,473	24,701	254,997	24,690	9.7	-477	-11
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	286,650	29,534	285,379	29,692	10.4	-1,271	158
I-210	Rosemead Boulevard	San Gabriel Boulevard	326,076	30,160	324,899	30,311	9.3	-1,177	151
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	352,422	30,513	351,843	30,692	8.7	-578	179
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	255,077	17,737	254,743	17,843	7.0	-334	106
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	49,798	813	52,102	979	1.9	2,304	165
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	165,631	15,182	167,831	15,424	9.2	2,199	242
I-210	Lincoln Avenue	SR 2	157,864	15,009	159,063	15,192	9.6	1,199	183
I-210	SR 2	La Crescenta Avenue	156,582	15,606	156,624	15,751	10.1	42	145
SR 2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	252,041	5,007	92,261	5,015	5.4	-159,780	7
SR 2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	277,694	6,859	114,644	6,901	6.0	-163,050	43
SR 2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	278,932	10,037	180,189	10,081	5.6	-98,743	44
SR 2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	226,004	3,454	68,451	3,293	4.8	-157,553	-160
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	49,798	22,141	251,072	22,067	8.8	201,274	-74
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	38,390	26,363	284,281	26,372	9.3	245,891	9

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	0	27,014	245,004	26,745	10.9	245,004	-268
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	0	28,448	297,780	28,242	9.5	297,780	-206
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	0	18,924	228,742	19,067	8.3	228,742	142
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	0	20,949	285,071	21,027	7.4	285,071	78
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	252,041	15,997	252,020	16,066	6.4	-21	70
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	277,694	16,959	277,614	17,005	6.1	-80	45
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	278,932	16,903	278,599	16,934	6.1	-333	30
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	226,004	15,089	225,891	15,161	6.7	-113	72
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	49,798	813	52,102	979	1.9	2,304	165
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	58,745	1,796	98,603	3,165	3.2	39,859	1,369
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	74,500	2,778	107,575	3,829	3.6	33,075	1,051
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	159,340	11,831	168,063	11,809	7.0	8,723	-22
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	181,798	6,486	184,828	6,416	3.5	3,030	-70
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	303,326	18,288	305,083	18,163	6.0	1,758	-126
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	235,409	10,448	235,713	10,324	4.4	304	-124
I-10	I-10 and SR 710 Interchange	Rosemead Boulevard	290,737	12,206	289,504	12,173	4.2	-1,233	-34

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
	east Termini								
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	245,586	11,363	247,067	11,305	4.6	1,481	-59
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	242,106	13,155	242,676	13,111	5.4	570	-45
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	32,501	1,983	32,298	2,048	6.3	-202	65
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	150,120	14,784	148,980	15,058	10.1	-1,140	274
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	180,349	16,143	179,340	16,410	9.2	-1,010	268
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	205,703	20,443	204,565	20,728	10.1	-1,138	285
SR 110	Glenarm Street	S Avenue 52	97,146	0	96,140	0	0.0	-1,006	0
SR 110	S Avenue 52	SR 110 and I-5 Interchange North Termini	148,169	0	146,218	0	0.0	-1,950	0
SR 110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	126,566	0	126,680	0	0.0	114	0
BRT Alignment	Huntington Drive	Mission Street	43,942	1,894	45,938	2,461	5.4	1,996	567
BRT Alignment	Mission Street	Glenarm Street	38,205	0	40,683	0	0.0	2,478	0
BRT Alignment	Glenarm Street	California Boulevard	31,665	0	32,388	0	0.0	722	0
BRT Alignment	California Boulevard	Del Mar Boulevard	20,190	0	20,928	0	0.0	737	0
BRT Alignment	Fair Oaks Avenue	Los Robles Avenue	26,927	0	26,910	0	0.0	-16	0
BRT Alignment	Los Robles Avenue	Lake Avenue	25,092	0	25,015	0	0.0	-77	0
BRT Alignment	Lake Avenue	Hill Avenue	17,732	0	17,475	0	0.0	-257	0
BRT Alignment	Del Mar Boulevard	Colorado Boulevard	16,754	0	16,990	0	0.0	236	0
BRT Alignment	Colorado Boulevard	Del Mar Boulevard	24,393	0	24,815	0	0.0	422	0
Colorado	S. Verdugo Road	N. Figueroa Street	24,640	239	24,728	241	1.0	88	2

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Colorado	N. Figueroa Street	N. Lake Avenue	9,564	141	9,758	135	1.4	194	-6
Colorado	N. Lake Avenue	N. Hill Avenue	7,082	0	7,618	0	0.0	535	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	8,973	46	8,769	41	0.5	-204	-6
Colorado	San Gabriel Boulevard	Rosemead Boulevard	7,459	44	7,304	39	0.5	-155	-5
Colorado	Rosemead Boulevard	Huntington Drive	12,039	106	11,600	96	0.8	-439	-10
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	19,845	314	19,644	313	1.6	-201	-1
Huntington	Santa Anita Avenue	Rosemead Boulevard	38,134	650	38,634	657	1.7	500	6
Huntington	Rosemead Boulevard	San Gabriel Boulevard	48,044	1,030	49,876	1,067	2.1	1,832	36
Huntington	San Gabriel Boulevard	Garfield Avenue	52,728	628	56,160	676	1.2	3,432	47
Huntington	Garfield Avenue	Fremont Avenue	47,725	712	46,302	777	1.7	-1,423	65
Huntington	Fremont Avenue	Eastern Avenue	56,985	927	57,125	1,040	1.8	140	114
Huntington	Eastern Avenue	N. Mission Road	41,175	600	40,144	620	1.5	-1,031	21
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	39,595	381	37,869	374	1.0	-1,725	-7
E Live Oak	Commerce Drive (East of I-605)	Peck Road	37,461	978	37,169	961	2.6	-292	-18
E Live Oak	Peck Road	Santa Anita Avenue	23,652	312	23,216	290	1.2	-436	-23
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,510	197	17,907	178	1.0	-603	-19
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,048	211	23,341	196	0.8	-707	-15
Las Tunas Dr	Garfield Avenue	Palm Avenue	20,418	177	20,485	203	1.0	68	26
Las Tunas Dr	Palm Avenue	Huntington Drive	21,939	303	22,070	431	2.0	131	128
Valley	I-605	Santa Anita Avenue	38,669	584	38,354	580	1.5	-315	-4
Valley	Santa Anita Avenue	Rosemead Boulevard	30,822	329	28,879	320	1.1	-1,942	-9
Valley	Rosemead Boulevard	San Gabriel Boulevard	24,557	185	24,604	180	0.7	48	-5
Valley	San Gabriel Boulevard	Garfield Avenue	18,387	116	18,931	111	0.6	544	-5
Valley	Garfield Avenue	Atlantic Boulevard	10,846	69	10,568	66	0.6	-279	-3

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Valley	Atlantic Boulevard	Fremont Avenue	12,053	134	11,076	92	0.8	-977	-41
Valley	Fremont Avenue	SR 710 Ramp	50,566	1,383	50,075	1,414	2.8	-491	31
Valley	SR 710 Ramp	N. Mission Road	14,812	435	7,214	211	2.9	-7,598	-224
Myrtle Ave	Colorado Boulevard	I-210	16,033	265	15,977	285	1.8	-57	20
Myrtle Ave	I-210	Live Oak Avenue	32,231	604	32,046	605	1.9	-185	1
Peck Rd	Live Oak Avenue	Valley Boulevard	27,554	439	27,032	446	1.6	-522	7
Peck Rd	Valley Boulevard	Garvey Avenue	39,490	415	39,111	419	1.1	-379	4
Santa Anita	Colorado Boulevard	Las Tunas Drive	25,460	393	25,362	372	1.5	-98	-20
Santa Anita	Las Tunas Drive	Valley Boulevard	28,601	438	28,273	419	1.5	-328	-19
Santa Anita	Valley Boulevard	Garvey Avenue	40,329	1,192	39,006	1,161	3.0	-1,323	-31
Rosemead	Orange Grove Boulevard	Huntington Drive	33,324	455	33,482	450	1.3	158	-6
Rosemead	Huntington Drive	Las Tunas Drive	34,999	627	35,710	641	1.8	711	13
Rosemead	Las Tunas Drive	Valley Boulevard	44,609	715	50,911	809	1.6	6,302	94
Rosemead	Valley Boulevard	Garvey Avenue	64,279	1,158	69,250	1,241	1.8	4,971	83
San Gabriel	I-210	Huntington Drive	31,620	783	31,310	829	2.6	-310	46
San Gabriel	Huntington Drive	Las Tunas Drive	44,316	658	43,486	697	1.6	-829	39
San Gabriel	Las Tunas Drive	Valley Boulevard	39,686	571	37,748	584	1.5	-1,938	13
San Gabriel	Valley Boulevard	Garvey Avenue	34,937	517	33,698	557	1.7	-1,239	40
Fremont	Valley Boulevard	Huntington Drive	49,363	1,291	52,478	1,403	2.7	3,116	111
Fremont	Huntington Drive	Garfield Avenue	25,104	486	29,737	600	2.0	4,633	114
Fremont	Garfield Avenue	Columbia Street	23,441	515	25,276	604	2.4	1,835	89
Garfield	Fremont Avenue	Huntington Drive	12,227	46	12,899	35	0.3	672	-11
Garfield	Huntington Drive	W. Main Street	46,738	387	46,889	411	0.9	151	24
Garfield	W. Main Street	Valley Boulevard	43,279	404	42,604	392	0.9	-674	-12
N Atlantic	Huntington Drive	Main Street	44,610	594	46,563	712	1.5	1,953	117

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
N Atlantic	Main Street	Valley Boulevard	52,542	846	51,563	827	1.6	-979	-20
N Atlantic	Valley	I-10	49,770	795	49,181	790	1.6	-589	-5
N Atlantic	I-10	SR 60	38,512	457	38,214	476	1.2	-298	18
N Atlantic	SR 60	Whittier Boulevard	40,681	644	40,382	689	1.7	-299	45
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	53,082	308	52,708	283	0.5	-374	-25
S Los Robles	Corson Street	Huntington Drive	17,733	205	17,657	199	1.1	-76	-6
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,314	302	26,763	299	1.1	449	-2
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,409	393	23,178	364	1.6	-230	-29
N Figueroa	York Boulevard	I-5	26,210	970	25,760	911	3.5	-449	-59
York	Eagle Rock Boulevard	N. Figueroa Street	18,214	124	18,571	127	0.7	357	2
N Mission Rd	Huntington Drive	Marengo Street	20,479	405	19,483	390	2.0	-996	-15
Foothill Blvd	Rosemont Avenue	SR 2	14,693	101	14,697	101	0.7	4	0
Foothill Blvd	SR 2	Angeles Crest Highway	9,691	57	9,742	57	0.6	51	0
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	6,963	72	7,152	76	1.1	189	4
Angeles Crest	SR 2	Angeles Forest Highway	33,201	1,499	33,187	1,527	4.6	-14	28
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,455	10	6,234	10	0.2	-221	0
Chevy Chase	Descano Drive	Highland Drive	1,264	3	1,273	3	0.2	9	0
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,760	10	2,758	10	0.4	-2	0

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 4: 2025 LRT Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	27,546	257,729	27,553	10.7	-238	7
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	32,662	288,950	32,644	11.3	-1,097	-18
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	33,332	328,760	33,320	10.1	-566	-12
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	33,677	355,254	33,655	9.5	-656	-22
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	19,187	257,889	19,200	7.4	-295	13
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	871	51,749	960	1.9	1,109	90
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	17,272	169,109	17,288	10.2	1,058	16
I-210	Lincoln Avenue	SR 2	160,165	17,119	160,988	17,095	10.6	823	-24
I-210	SR 2	La Crescenta Avenue	159,064	17,973	159,284	17,840	11.2	219	-133
SR 2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	95,158	5,769	94,308	5,589	5.9	-850	-180
SR 2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	117,971	7,849	116,716	7,624	6.5	-1,254	-225
SR 2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	183,102	11,106	182,173	10,876	6.0	-929	-230
SR 2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	68,976	3,642	68,717	3,376	4.9	-258	-266
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	252,428	24,442	252,276	24,555	9.7	-151	112
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	286,330	29,232	285,754	29,334	10.3	-576	102

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	247,260	29,592	248,402	29,911	12.0	1,143	319
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	301,114	31,327	300,565	31,350	10.4	-549	24
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	230,815	22,186	230,192	22,719	9.9	-623	533
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	286,860	24,010	286,535	24,748	8.6	-325	739
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	17,145	254,251	17,161	6.7	-204	16
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	18,101	279,866	18,104	6.5	277	4
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	18,037	281,479	18,038	6.4	-190	1
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	16,141	228,726	16,166	7.1	-259	25
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,640	871	51,749	960	1.9	1,109	90
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	59,217	1,956	68,881	2,242	3.3	9,665	286
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	75,121	2,989	83,589	3,201	3.8	8,468	212
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	161,752	11,732	164,622	11,288	6.9	2,870	-444
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	6,597	182,756	6,578	3.6	162	-19
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	304,228	19,072	305,007	18,123	5.9	779	-949
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	236,993	11,099	236,871	10,798	4.6	-122	-301
I-10	I-10 and SR 710 Interchange	Rosemead Boulevard	291,381	13,095	291,245	12,928	4.4	-136	-167

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
	east Termini								
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	248,008	12,258	248,789	12,066	4.8	781	-192
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	245,398	14,411	245,763	14,236	5.8	365	-175
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	32,840	2,305	32,660	2,302	7.0	-180	-3
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	152,819	17,634	152,210	17,701	11.6	-608	67
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	183,380	19,198	182,842	19,256	10.5	-538	58
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	208,868	23,936	208,156	23,959	11.5	-712	22
SR110	Glenarm Street	S Avenue 52	98,487	0	98,113	0	0.0	-373	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	149,192	0	148,669	0	0.0	-523	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	127,874	0	127,944	0	0.0	71	0
Colorado	S. Verdugo Road	N. Figueroa Street	25,216	258	25,368	254	1.0	152	-4
Colorado	N. Figueroa Street	N. Lake Avenue	9,889	147	10,077	139	1.4	188	-8
Colorado	N. Lake Avenue	N. Hill Avenue	7,654	0	7,868	0	0.0	214	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	9,704	56	9,638	53	0.6	-66	-3
Colorado	San Gabriel Boulevard	Rosemead Boulevard	8,350	52	8,214	45	0.5	-136	-7
Colorado	Rosemead Boulevard	Huntington Drive	13,168	123	12,582	113	0.9	-586	-10
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	20,279	340	20,254	337	1.7	-26	-3
Huntington	Santa Anita Avenue	Rosemead Boulevard	39,064	690	39,535	677	1.7	471	-13
Huntington	Rosemead Boulevard	San Gabriel Boulevard	48,855	1,105	50,371	1,148	2.3	1,516	43
Huntington	San Gabriel Boulevard	Garfield Avenue	53,823	670	56,411	697	1.2	2,588	27

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Garfield Avenue	Fremont Avenue	48,720	757	47,741	837	1.8	-979	80
Huntington	Fremont Avenue	Eastern Avenue	58,199	988	57,604	1,075	1.9	-595	87
Huntington	Eastern Avenue	N. Mission Road	41,967	658	41,788	638	1.5	-179	-20
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	40,236	403	39,511	408	1.0	-725	5
E Live Oak	Commerce Drive (East of I-605)	Peck Road	37,736	1,011	37,491	1,011	2.7	-245	0
E Live Oak	Peck Road	Santa Anita Avenue	23,912	343	23,731	328	1.4	-181	-15
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,641	223	18,362	210	1.1	-279	-13
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,239	227	23,576	222	0.9	-663	-5
Las Tunas Dr	Garfield Avenue	Palm Avenue	21,071	190	20,978	182	0.9	-94	-8
Las Tunas Dr	Palm Avenue	Huntington Drive	23,045	341	22,236	383	1.7	-810	42
Valley	I-605	Santa Anita Avenue	39,207	593	38,932	585	1.5	-275	-8
Valley	Santa Anita Avenue	Rosemead Boulevard	31,365	352	29,358	338	1.1	-2,008	-14
Valley	Rosemead Boulevard	San Gabriel Boulevard	25,042	195	25,108	202	0.8	66	7
Valley	San Gabriel Boulevard	Garfield Avenue	18,794	126	19,066	115	0.6	272	-11
Valley	Garfield Avenue	Atlantic Boulevard	11,451	75	11,211	74	0.7	-241	0
Valley	Atlantic Boulevard	Fremont Avenue	12,935	169	11,963	130	1.1	-972	-39
Valley	Fremont Avenue	SR 710 Ramp	50,948	1,503	57,186	1,718	3.0	6,238	215
Valley	SR 710 Ramp	N. Mission Road	15,190	468	16,794	546	3.3	1,604	78
Myrtle Ave	Colorado Boulevard	I-210	16,004	252	15,915	256	1.6	-90	5
Myrtle Ave	I-210	Live Oak Avenue	32,402	639	32,211	644	2.0	-191	5
Peck Rd	Live Oak Avenue	Valley Boulevard	27,806	447	27,347	451	1.6	-460	3
Peck Rd	Valley Boulevard	Garvey Avenue	40,261	433	39,988	432	1.1	-274	-1
Santa Anita	Colorado Boulevard	Las Tunas Drive	25,794	419	25,786	401	1.6	-8	-18
Santa Anita	Las Tunas Drive	Valley Boulevard	28,856	465	28,573	450	1.6	-283	-16

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Santa Anita	Valley Boulevard	Garvey Avenue	41,017	1,274	39,826	1,265	3.2	-1,190	-9
Rosemead	Orange Grove Boulevard	Huntington Drive	33,400	479	33,516	475	1.4	116	-4
Rosemead	Huntington Drive	Las Tunas Drive	35,427	662	36,074	682	1.9	647	20
Rosemead	Las Tunas Drive	Valley Boulevard	44,948	754	51,534	849	1.6	6,586	95
Rosemead	Valley Boulevard	Garvey Avenue	64,781	1,217	70,321	1,332	1.9	5,540	115
San Gabriel	I-210	Huntington Drive	32,076	830	31,791	842	2.6	-285	13
San Gabriel	Huntington Drive	Las Tunas Drive	44,656	693	44,122	713	1.6	-535	19
San Gabriel	Las Tunas Drive	Valley Boulevard	39,968	593	38,689	598	1.5	-1,279	5
San Gabriel	Valley Boulevard	Garvey Avenue	35,429	545	34,537	562	1.6	-892	16
Fremont	Valley Boulevard	Huntington Drive	49,712	1,357	52,717	1,495	2.8	3,005	137
Fremont	Huntington Drive	Garfield Avenue	25,127	527	29,435	559	1.9	4,308	32
Fremont	Garfield Avenue	Columbia Street	23,740	558	24,896	532	2.1	1,156	-26
Garfield	Fremont Avenue	Huntington Drive	12,203	39	13,140	35	0.3	937	-4
Garfield	Huntington Drive	W. Main Street	46,985	404	47,167	418	0.9	183	14
Garfield	W. Main Street	Valley Boulevard	43,521	404	43,602	423	1.0	81	19
N Atlantic	Huntington Drive	Main Street	44,864	608	45,779	688	1.5	915	80
N Atlantic	Main Street	Valley Boulevard	52,802	881	52,386	905	1.7	-417	23
N Atlantic	Valley	I-10	50,062	812	51,392	869	1.7	1,330	58
N Atlantic	I-10	SR 60	39,055	484	38,839	492	1.3	-216	8
N Atlantic	SR 60	Whittier Boulevard	41,190	709	40,937	715	1.7	-253	5
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	53,566	334	52,952	293	0.6	-615	-41
S Los Robles	Corson Street	Huntington Drive	17,969	213	17,579	207	1.2	-390	-6
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,657	316	27,190	316	1.2	534	-1
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,919	426	23,654	423	1.8	-266	-3
N Figueroa	York Boulevard	I-5	26,610	1,018	26,448	957	3.6	-162	-62

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
York	Eagle Rock Boulevard	N. Figueroa Street	18,337	130	18,760	134	0.7	423	5
N Mission Rd	Huntington Drive	Marengo Street	20,829	436	20,654	416	2.0	-175	-20
Foothill Blvd	Rosemont Avenue	SR 2	15,201	103	15,185	103	0.7	-17	0
Foothill Blvd	SR 2	Angeles Crest Highway	9,880	59	9,865	59	0.6	-15	0
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	7,230	74	7,230	74	1.0	0	1
Angeles Crest	SR 2	Angeles Forest Highway	33,584	1,571	33,540	1,599	4.8	-44	28
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,328	10	6,328	10	0.2	0	0
Chevy Chase	Descano Drive	Highland Drive	1,269	3	1,277	3	0.2	8	0
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,784	11	2,776	11	0.4	-8	0

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 5: 2025 Dual Bore No Toll and without Trucks Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	27,546	255,733	27,367	10.7	-2,235	-180
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	32,662	280,832	31,710	11.3	-9,216	-952
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	33,332	318,887	32,368	10.2	-10,439	-964
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	33,677	348,068	32,684	9.4	-7,841	-992
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	19,187	260,879	18,658	7.2	2,694	-530
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	871	80,160	165	0.2	29,520	-705
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	17,272	205,924	16,338	7.9	37,874	-934
I-210	Lincoln Avenue	SR 2	160,165	17,119	191,642	16,219	8.5	31,477	-900
I-210	SR 2	La Crescenta Avenue	159,064	17,973	180,395	16,657	9.2	21,331	-1,316
SR 2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	95,158	5,769	78,073	4,329	5.5	-17,085	-1,440
SR 2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	117,971	7,849	93,811	5,983	6.4	-24,159	-1,866
SR 2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	183,102	11,106	159,998	9,419	5.9	-23,105	-1,686
SR 2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	68,976	3,642	63,238	2,568	4.1	-5,737	-1,074
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	252,428	24,442	250,757	28,136	11.2	-1,671	3,694
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	286,330	29,232	275,837	32,616	11.8	-10,493	3,384

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	247,260	29,592	235,624	33,004	14.0	-11,636	3,412
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	301,114	31,327	281,113	34,472	12.3	-20,001	3,145
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	230,815	22,186	221,163	30,423	13.8	-9,653	8,237
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	286,860	24,010	281,938	32,876	11.7	-4,922	8,867
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	17,145	250,354	16,771	6.7	-4,101	-374
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	18,101	290,402	17,533	6.0	10,814	-567
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	18,037	290,468	17,644	6.1	8,798	-393
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	16,141	237,994	15,779	6.6	9,010	-362
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,640	871	80,160	165	0.2	29,520	-705
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	0	0	164,523	0	0.0	164,523	0
SR 710	SR 710 North Portal	SR 710 South portal	0	0	179,977	0	0.0	179,977	0
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	0	0	193,994	689	0.4	193,994	689
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	75,121	2,989	158,206	1,607	1.0	83,085	-1,382
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	161,752	11,732	196,707	4,503	2.3	34,955	-7,229
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	6,597	188,270	6,297	3.3	5,676	-300
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	304,228	19,072	298,912	13,419	4.5	-5,316	-5,653

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	236,993	11,099	233,517	10,805	4.6	-3,476	-294
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	291,381	13,095	294,992	12,824	4.3	3,611	-271
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	32,840	2,305	32,965	2,289	6.9	126	-16
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	152,819	17,634	146,604	18,230	12.4	-6,215	595
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	183,380	19,198	177,920	19,869	11.2	-5,460	671
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	208,868	23,936	204,539	23,862	11.7	-4,329	-74
SR110	Glenarm Street	S Avenue 52	98,487	0	89,431	0	0.0	-9,056	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	149,192	0	138,564	0	0.0	-10,627	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	127,874	0	124,901	0	0.0	-2,973	0
Colorado	S. Verdugo Road	N. Figueroa Street	16,991	0	28,055	281	1.0	11,063	281
Colorado	N. Figueroa Street	N. Lake Avenue	24,669	0	11,963	199	1.7	-12,706	199
Colorado	N. Lake Avenue	N. Hill Avenue	25,216	258	5,989	0	0.0	-19,227	-258
Colorado	N. Hill Avenue	San Gabriel Boulevard	9,889	147	7,317	40	0.5	-2,572	-107
Colorado	San Gabriel Boulevard	Rosemead Boulevard	7,654	0	5,633	42	0.7	-2,021	42
Colorado	Rosemead Boulevard	Huntington Drive	9,704	56	10,778	80	0.7	1,073	25
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	8,350	52	19,745	320	1.6	11,395	268
Huntington	Santa Anita Avenue	Rosemead Boulevard	13,168	123	38,934	677	1.7	25,766	553
Huntington	Rosemead Boulevard	San Gabriel Boulevard	20,279	340	50,989	1,242	2.4	30,710	902
Huntington	San Gabriel Boulevard	Garfield Avenue	39,064	690	53,020	837	1.6	13,956	148
Huntington	Garfield Avenue	Fremont Avenue	48,855	1,105	43,647	865	2.0	-5,208	-240

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Fremont Avenue	Eastern Avenue	53,823	670	45,318	1,023	2.3	-8,506	353
Huntington	Eastern Avenue	N. Mission Road	48,720	757	36,550	744	2.0	-12,171	-13
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	58,199	988	37,808	442	1.2	-20,391	-546
E Live Oak	Commerce Drive (East of I-605)	Peck Road	41,967	658	36,962	1,017	2.8	-5,005	359
E Live Oak	Peck Road	Santa Anita Avenue	40,236	403	23,220	315	1.4	-17,015	-88
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	37,736	1,011	18,339	191	1.0	-19,398	-820
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	23,912	343	23,414	217	0.9	-498	-127
Las Tunas Dr	Garfield Avenue	Palm Avenue	18,641	223	17,693	159	0.9	-949	-64
Las Tunas Dr	Palm Avenue	Huntington Drive	24,239	227	16,441	255	1.6	-7,798	28
Valley	I-605	Santa Anita Avenue	21,071	190	38,808	589	1.5	17,737	399
Valley	Santa Anita Avenue	Rosemead Boulevard	23,045	341	28,781	341	1.2	5,736	-1
Valley	Rosemead Boulevard	San Gabriel Boulevard	39,207	593	25,693	201	0.8	-13,514	-392
Valley	San Gabriel Boulevard	Garfield Avenue	31,365	352	20,320	127	0.6	-11,045	-224
Valley	Garfield Avenue	Atlantic Boulevard	25,042	195	14,039	113	0.8	-11,004	-82
Valley	Atlantic Boulevard	Fremont Avenue	18,794	126	14,783	99	0.7	-4,011	-27
Valley	Fremont Avenue	SR 710 Ramp	11,451	75	31,064	1,225	3.9	19,612	1,150
Valley	SR 710 Ramp	N. Mission Road	12,935	169	8,627	111	1.3	-4,307	-58
Myrtle Ave	Colorado Boulevard	I-210	50,948	1,503	15,242	324	2.1	-35,706	-1,179
Myrtle Ave	I-210	Live Oak Avenue	15,190	468	30,473	614	2.0	15,283	146
Peck Rd	Live Oak Avenue	Valley Boulevard	16,004	252	24,921	420	1.7	8,917	168
Peck Rd	Valley Boulevard	Garvey Avenue	32,402	639	39,955	443	1.1	7,554	-196
Santa Anita	Colorado Boulevard	Las Tunas Drive	27,806	447	23,678	346	1.5	-4,129	-101
Santa Anita	Las Tunas Drive	Valley Boulevard	40,261	433	27,244	404	1.5	-13,017	-29
Santa Anita	Valley Boulevard	Garvey Avenue	25,794	419	37,878	1,233	3.3	12,083	814

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Rosemead	Orange Grove Boulevard	Huntington Drive	28,856	465	29,985	602	2.0	1,129	137
Rosemead	Huntington Drive	Las Tunas Drive	41,017	1,274	30,580	797	2.6	-10,437	-477
Rosemead	Las Tunas Drive	Valley Boulevard	33,400	479	45,723	1,019	2.2	12,323	540
Rosemead	Valley Boulevard	Garvey Avenue	35,427	662	65,233	1,566	2.4	29,806	904
San Gabriel	I-210	Huntington Drive	44,948	754	26,705	757	2.8	-18,243	3
San Gabriel	Huntington Drive	Las Tunas Drive	64,781	1,217	39,440	695	1.8	-25,341	-522
San Gabriel	Las Tunas Drive	Valley Boulevard	32,076	830	34,537	518	1.5	2,461	-312
San Gabriel	Valley Boulevard	Garvey Avenue	44,656	693	31,697	533	1.7	-12,960	-160
Fremont	Valley Boulevard	Huntington Drive	39,968	593	36,806	1,585	4.3	-3,162	992
Fremont	Huntington Drive	Garfield Avenue	35,429	545	23,023	656	2.9	-12,406	111
Fremont	Garfield Avenue	Columbia Street	49,712	1,357	17,589	575	3.3	-32,123	-782
Garfield	Fremont Avenue	Huntington Drive	25,127	527	12,199	20	0.2	-12,928	-508
Garfield	Huntington Drive	W. Main Street	23,740	558	42,319	402	1.0	18,579	-156
Garfield	W. Main Street	Valley Boulevard	12,203	39	39,136	451	1.2	26,934	412
N Atlantic	Huntington Drive	Main Street	46,985	404	35,428	701	2.0	-11,557	297
N Atlantic	Main Street	Valley Boulevard	43,521	404	46,952	927	2.0	3,431	523
N Atlantic	Valley	I-10	44,864	608	49,266	894	1.8	4,403	285
N Atlantic	I-10	SR 60	52,802	881	39,111	538	1.4	-13,692	-344
N Atlantic	SR 60	Whittier Boulevard	50,062	812	41,695	782	1.9	-8,367	-30
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	39,055	484	45,632	511	1.1	6,577	28
S Los Robles	Corson Street	Huntington Drive	41,190	709	14,917	212	1.4	-26,273	-497
Eagle Rock	Colorado Boulevard	Cypress Avenue	53,566	334	25,190	291	1.2	-28,376	-43
Cypress	N. Figueroa Street	Eagle Rock Boulevard	17,969	213	19,337	370	1.9	1,368	157
N Figueroa	York Boulevard	I-5	26,657	316	24,621	963	3.9	-2,035	647
York	Eagle Rock Boulevard	N. Figueroa Street	23,919	426	18,563	139	0.8	-5,357	-287

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
N Mission Rd	Huntington Drive	Marengo Street	26,610	1,018	19,342	488	2.5	-7,268	-530
Foothill Blvd	Rosemont Avenue	SR 2	18,337	130	15,974	108	0.7	-2,363	-22
Foothill Blvd	SR 2	Angeles Crest Highway	20,829	436	12,472	63	0.5	-8,358	-373
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	15,201	103	9,906	84	0.9	-5,296	-19
Angeles Crest	SR 2	Angeles Forest Highway	9,880	59	33,888	1,373	4.1	24,008	1,315
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	7,230	74	6,366	13	0.2	-864	-61
Chevy Chase	Descano Drive	Highland Drive	33,584	1,571	1,433	6	0.4	-32,151	-1,566
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	6,328	10	3,758	13	0.4	-2,569	3

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 6: 2025 Single Bore with Tolls and without Trucks Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	27,546	257,193	27,432	10.7	-775	-114
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	32,662	285,766	32,110	11.2	-4,282	-552
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	33,332	324,312	32,755	10.1	-5,014	-577
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	33,677	353,226	33,089	9.4	-2,684	-588
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	19,187	263,722	18,929	7.2	5,538	-259
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	871	67,362	177	0.3	16,722	-694
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	17,272	188,478	16,634	8.8	20,427	-638
I-210	Lincoln Avenue	SR 2	160,165	17,119	178,783	16,508	9.2	18,617	-611
I-210	SR 2	La Crescenta Avenue	159,064	17,973	169,685	17,409	10.3	10,621	-564
SR 2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	95,158	5,769	82,474	5,571	6.8	-12,684	-198
SR 2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	117,971	7,849	101,599	7,576	7.5	-16,372	-273
SR 2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	183,102	11,106	170,246	10,974	6.4	-12,856	-132
SR 2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	68,976	3,642	66,033	2,894	4.4	-2,943	-749
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	252,428	24,442	252,513	25,404	10.1	85	962
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	286,330	29,232	281,139	30,850	11.0	-5,191	1,618

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	247,260	29,592	240,772	31,166	12.9	-6,488	1,575
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	301,114	31,327	291,199	32,840	11.3	-9,915	1,514
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	230,815	22,186	223,523	26,882	12.0	-7,293	4,696
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	286,860	24,010	282,634	28,896	10.2	-4,227	4,886
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	17,145	256,817	16,996	6.6	2,363	-148
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	18,101	281,101	17,836	6.3	1,512	-264
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	18,037	283,871	17,916	6.3	2,202	-121
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	16,141	231,274	16,006	6.9	2,289	-135
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,640	871	67,362	177	0.3	16,722	-694
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	38,402	728	85,070	0	0.0	46,668	-728
SR 710	SR 710 North Portal	SR 710 South portal	0	0	88,519	0	0.0	88,519	0
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	59,217	1,956	105,458	754	0.7	46,241	-1,202
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	75,121	2,989	125,996	2,054	1.6	50,875	-935
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	161,752	11,732	183,104	7,568	4.1	21,352	-4,164
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	6,597	184,437	6,444	3.5	1,843	-152
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	304,228	19,072	302,564	15,911	5.3	-1,664	-3,161

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	236,993	11,099	239,216	11,008	4.6	2,222	-91
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	291,381	13,095	291,126	12,938	4.4	-255	-157
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	32,840	2,305	33,099	2,282	6.9	260	-23
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	152,819	17,634	150,649	18,510	12.3	-2,170	875
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	183,380	19,198	181,517	20,184	11.1	-1,863	986
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	208,868	23,936	205,982	24,177	11.7	-2,886	241
SR110	Glenarm Street	S Avenue 52	98,487	0	96,084	0	0.0	-2,402	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	149,192	0	145,580	0	0.0	-3,612	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	127,874	0	127,738	0	0.0	-136	0
Colorado	S. Verdugo Road	N. Figueroa Street	16,991	0	26,324	275	1.0	9,333	275
Colorado	N. Figueroa Street	N. Lake Avenue	24,669	0	11,558	197	1.7	-13,112	197
Colorado	N. Lake Avenue	N. Hill Avenue	25,216	258	6,615	0	0.0	-18,601	-258
Colorado	N. Hill Avenue	San Gabriel Boulevard	9,889	147	8,175	47	0.6	-1,713	-100
Colorado	San Gabriel Boulevard	Rosemead Boulevard	7,654	0	6,765	41	0.6	-890	41
Colorado	Rosemead Boulevard	Huntington Drive	9,704	56	11,291	99	0.9	1,587	44
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	8,350	52	19,891	332	1.7	11,541	280
Huntington	Santa Anita Avenue	Rosemead Boulevard	13,168	123	40,244	680	1.7	27,076	557
Huntington	Rosemead Boulevard	San Gabriel Boulevard	20,279	340	52,060	1,171	2.2	31,780	831
Huntington	San Gabriel Boulevard	Garfield Avenue	39,064	690	55,916	753	1.3	16,852	63
Huntington	Garfield Avenue	Fremont Avenue	48,855	1,105	46,556	866	1.9	-2,299	-239

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Fremont Avenue	Eastern Avenue	53,823	670	50,566	1,010	2.0	-3,257	341
Huntington	Eastern Avenue	N. Mission Road	48,720	757	39,102	695	1.8	-9,618	-63
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	58,199	988	38,346	425	1.1	-19,853	-562
E Live Oak	Commerce Drive (East of I-605)	Peck Road	41,967	658	37,276	1,000	2.7	-4,691	342
E Live Oak	Peck Road	Santa Anita Avenue	40,236	403	23,437	324	1.4	-16,799	-79
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	37,736	1,011	18,246	197	1.1	-19,491	-813
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	23,912	343	23,509	214	0.9	-403	-130
Las Tunas Dr	Garfield Avenue	Palm Avenue	18,641	223	18,561	165	0.9	-81	-58
Las Tunas Dr	Palm Avenue	Huntington Drive	24,239	227	18,280	308	1.7	-5,959	81
Valley	I-605	Santa Anita Avenue	21,071	190	38,880	586	1.5	17,808	396
Valley	Santa Anita Avenue	Rosemead Boulevard	23,045	341	29,095	335	1.2	6,050	-6
Valley	Rosemead Boulevard	San Gabriel Boulevard	39,207	593	25,059	211	0.8	-14,147	-382
Valley	San Gabriel Boulevard	Garfield Avenue	31,365	352	19,818	120	0.6	-11,548	-232
Valley	Garfield Avenue	Atlantic Boulevard	25,042	195	13,072	88	0.7	-11,970	-107
Valley	Atlantic Boulevard	Fremont Avenue	18,794	126	14,222	102	0.7	-4,571	-23
Valley	Fremont Avenue	SR 710 Ramp	11,451	75	35,213	1,218	3.5	23,762	1,143
Valley	SR 710 Ramp	N. Mission Road	12,935	169	9,261	178	1.9	-3,674	8
Myrtle Ave	Colorado Boulevard	I-210	50,948	1,503	15,850	307	1.9	-35,098	-1,197
Myrtle Ave	I-210	Live Oak Avenue	15,190	468	31,654	636	2.0	16,464	168
Peck Rd	Live Oak Avenue	Valley Boulevard	16,004	252	26,513	439	1.7	10,509	188
Peck Rd	Valley Boulevard	Garvey Avenue	32,402	639	39,997	434	1.1	7,596	-205
Santa Anita	Colorado Boulevard	Las Tunas Drive	27,806	447	25,053	371	1.5	-2,753	-77
Santa Anita	Las Tunas Drive	Valley Boulevard	40,261	433	27,993	426	1.5	-12,268	-7
Santa Anita	Valley Boulevard	Garvey Avenue	25,794	419	38,806	1,258	3.2	13,012	839

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Rosemead	Orange Grove Boulevard	Huntington Drive	28,856	465	32,206	504	1.6	3,350	39
Rosemead	Huntington Drive	Las Tunas Drive	41,017	1,274	33,664	699	2.1	-7,353	-575
Rosemead	Las Tunas Drive	Valley Boulevard	33,400	479	48,689	887	1.8	15,289	409
Rosemead	Valley Boulevard	Garvey Avenue	35,427	662	67,810	1,382	2.0	32,384	720
San Gabriel	I-210	Huntington Drive	44,948	754	29,693	778	2.6	-15,255	24
San Gabriel	Huntington Drive	Las Tunas Drive	64,781	1,217	42,002	691	1.6	-22,779	-526
San Gabriel	Las Tunas Drive	Valley Boulevard	32,076	830	36,709	542	1.5	4,633	-288
San Gabriel	Valley Boulevard	Garvey Avenue	44,656	693	32,945	510	1.5	-11,712	-184
Fremont	Valley Boulevard	Huntington Drive	39,968	593	41,651	1,546	3.7	1,683	953
Fremont	Huntington Drive	Garfield Avenue	35,429	545	25,041	480	1.9	-10,388	-65
Fremont	Garfield Avenue	Columbia Street	49,712	1,357	19,823	440	2.2	-29,889	-917
Garfield	Fremont Avenue	Huntington Drive	25,127	527	12,386	21	0.2	-12,741	-506
Garfield	Huntington Drive	W. Main Street	23,740	558	44,515	383	0.9	20,775	-175
Garfield	W. Main Street	Valley Boulevard	12,203	39	41,469	424	1.0	29,266	385
N Atlantic	Huntington Drive	Main Street	46,985	404	39,814	661	1.7	-7,170	258
N Atlantic	Main Street	Valley Boulevard	43,521	404	49,826	906	1.8	6,305	502
N Atlantic	Valley	I-10	44,864	608	51,040	908	1.8	6,177	300
N Atlantic	I-10	SR 60	52,802	881	38,742	511	1.3	-14,061	-371
N Atlantic	SR 60	Whittier Boulevard	50,062	812	41,421	751	1.8	-8,641	-60
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	39,055	484	49,810	451	0.9	10,754	-33
S Los Robles	Corson Street	Huntington Drive	41,190	709	16,305	184	1.1	-24,885	-525
Eagle Rock	Colorado Boulevard	Cypress Avenue	53,566	334	26,339	296	1.1	-27,228	-38
Cypress	N. Figueroa Street	Eagle Rock Boulevard	17,969	213	21,661	358	1.7	3,692	144
N Figueroa	York Boulevard	I-5	26,657	316	25,697	963	3.7	-960	647
York	Eagle Rock Boulevard	N. Figueroa Street	23,919	426	18,687	139	0.7	-5,233	-288

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
N Mission Rd	Huntington Drive	Marengo Street	26,610	1,018	20,302	469	2.3	-6,308	-550
Foothill Blvd	Rosemont Avenue	SR 2	18,337	130	15,356	105	0.7	-2,981	-25
Foothill Blvd	SR 2	Angeles Crest Highway	20,829	436	11,188	60	0.5	-9,641	-376
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	15,201	103	8,230	79	1.0	-6,971	-24
Angeles Crest	SR 2	Angeles Forest Highway	9,880	59	34,343	1,438	4.2	24,463	1,379
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	7,230	74	6,215	13	0.2	-1,015	-60
Chevy Chase	Descano Drive	Highland Drive	33,584	1,571	1,347	5	0.4	-32,237	-1,566
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	6,328	10	3,141	11	0.3	-3,187	0

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 7: 2035 TSM/TDM Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	31,946	256,617	31,997	12.5	-558	51
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	38,555	294,679	38,502	13.1	-1,136	-54
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	39,350	334,241	39,290	11.8	-781	-60
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	39,629	360,719	39,599	11.0	-638	-30
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	22,591	263,374	22,587	8.6	-568	-4
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	941	52,553	1,102	2.1	2,046	162
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	20,388	172,426	20,531	11.9	1,617	143
I-210	Lincoln Avenue	SR 2	162,521	20,231	163,400	20,299	12.4	879	68
I-210	SR 2	La Crescenta Avenue	162,495	21,655	162,457	21,599	13.3	-37	-56
SR2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	99,364	7,598	97,908	7,433	7.6	-1,455	-165
SR2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	122,388	10,166	120,781	10,018	8.3	-1,607	-147
SR2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	190,492	13,717	189,176	13,589	7.2	-1,316	-128
SR2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	62,885	3,352	62,693	3,290	5.2	-192	-61
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	248,544	25,571	249,198	25,668	10.3	654	97
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	291,456	31,923	290,952	31,746	10.9	-504	-177

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	252,970	32,646	250,822	32,788	13.1	-2,148	142
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	306,629	34,394	306,060	34,444	11.3	-569	50
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	231,671	23,198	229,928	24,998	10.9	-1,743	1,800
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	290,538	27,172	289,925	28,562	9.9	-613	1,390
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	20,136	259,288	20,135	7.8	715	0
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	21,157	286,554	21,174	7.4	608	17
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	21,138	287,968	21,130	7.3	-270	-8
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	19,026	234,962	19,024	8.1	44	-2
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,507	941	52,553	1,102	2.1	2,046	162
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	61,191	2,215	100,798	3,473	3.4	39,607	1,258
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	77,533	3,192	110,566	4,134	3.7	33,033	942
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	166,381	13,775	174,491	12,314	7.1	8,110	-1,461
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	7,669	184,805	7,477	4.0	2,312	-192
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	311,759	22,203	313,585	20,659	6.6	1,826	-1,544
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	240,281	13,376	238,612	13,002	5.4	-1,670	-374
I-10	I-10 and SR 710 Interchange	Rosemead Boulevard	302,894	15,822	300,865	15,874	5.3	-2,029	52

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
	east Termini								
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	14,872	257,092	14,966	5.8	709	94
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	17,239	254,695	17,271	6.8	607	32
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	33,497	2,740	33,764	2,730	8.1	266	-9
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	153,766	24,114	152,799	24,170	15.8	-966	56
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	185,228	26,252	184,323	26,343	14.3	-905	91
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	211,044	30,556	209,929	30,527	14.5	-1,115	-29
SR110	Glenarm Street	S Avenue 52	101,431	0	100,861	0	0.0	-570	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	154,974	0	153,427	0	0.0	-1,547	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	131,612	0	131,534	0	0.0	-78	0
Colorado	S. Verdugo Road	N. Figueroa Street	26,094	269	26,263	270	1.0	169	1
Colorado	N. Figueroa Street	N. Lake Avenue	10,345	156	10,349	151	1.5	4	-5
Colorado	N. Lake Avenue	N. Hill Avenue	8,782	0	8,692	0	0.0	-91	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	10,766	76	10,645	64	0.6	-121	-12
Colorado	San Gabriel Boulevard	Rosemead Boulevard	9,627	64	9,355	65	0.7	-272	1
Colorado	Rosemead Boulevard	Huntington Drive	16,281	183	15,850	177	1.1	-431	-6
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	21,660	391	21,531	387	1.8	-130	-4
Huntington	Santa Anita Avenue	Rosemead Boulevard	40,766	823	41,677	813	2.0	910	-10
Huntington	Rosemead Boulevard	San Gabriel Boulevard	50,394	1,174	52,820	1,214	2.3	2,426	40
Huntington	San Gabriel Boulevard	Garfield Avenue	55,824	740	59,541	766	1.3	3,717	27

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Garfield Avenue	Fremont Avenue	49,744	866	48,400	891	1.8	-1,344	24
Huntington	Fremont Avenue	Eastern Avenue	59,511	1,128	59,929	1,208	2.0	418	80
Huntington	Eastern Avenue	N. Mission Road	42,645	737	41,844	724	1.7	-801	-13
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	40,930	449	39,379	444	1.1	-1,552	-4
E Live Oak	Commerce Drive (East of I-605)	Peck Road	36,971	1,107	36,710	1,061	2.9	-261	-46
E Live Oak	Peck Road	Santa Anita Avenue	24,229	401	23,913	363	1.5	-316	-38
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,918	272	18,502	237	1.3	-416	-35
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,440	271	23,945	243	1.0	-495	-28
Las Tunas Dr	Garfield Avenue	Palm Avenue	21,591	222	21,704	237	1.1	113	15
Las Tunas Dr	Palm Avenue	Huntington Drive	23,941	414	24,269	499	2.1	327	85
Valley	I-605	Santa Anita Avenue	40,306	622	40,156	625	1.6	-150	3
Valley	Santa Anita Avenue	Rosemead Boulevard	32,294	406	30,252	391	1.3	-2,043	-15
Valley	Rosemead Boulevard	San Gabriel Boulevard	27,019	210	27,750	249	0.9	731	39
Valley	San Gabriel Boulevard	Garfield Avenue	20,725	133	20,717	137	0.7	-7	4
Valley	Garfield Avenue	Atlantic Boulevard	11,373	80	11,328	82	0.7	-45	2
Valley	Atlantic Boulevard	Fremont Avenue	13,685	179	12,473	124	1.0	-1,212	-54
Valley	Fremont Avenue	SR 710 Ramp	52,842	1,677	50,788	1,487	2.9	-2,054	-190
Valley	SR 710 Ramp	N. Mission Road	16,497	559	8,317	293	3.5	-8,180	-266
Myrtle Ave	Colorado Boulevard	I-210	15,869	264	15,736	263	1.7	-132	-1
Myrtle Ave	I-210	Live Oak Avenue	32,664	737	32,395	742	2.3	-269	5
Peck Rd	Live Oak Avenue	Valley Boulevard	28,328	505	27,729	504	1.8	-599	-1
Peck Rd	Valley Boulevard	Garvey Avenue	41,349	485	41,080	477	1.2	-269	-8
Santa Anita	Colorado Boulevard	Las Tunas Drive	26,373	461	26,133	450	1.7	-241	-11
Santa Anita	Las Tunas Drive	Valley Boulevard	29,317	506	28,952	491	1.7	-365	-15

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Santa Anita	Valley Boulevard	Garvey Avenue	42,010	1,415	40,795	1,377	3.4	-1,215	-38
Rosemead	Orange Grove Boulevard	Huntington Drive	34,413	514	34,592	519	1.5	179	5
Rosemead	Huntington Drive	Las Tunas Drive	35,803	730	36,344	744	2.0	542	13
Rosemead	Las Tunas Drive	Valley Boulevard	45,415	839	51,536	943	1.8	6,121	105
Rosemead	Valley Boulevard	Garvey Avenue	66,999	1,422	72,378	1,508	2.1	5,379	86
San Gabriel	I-210	Huntington Drive	32,612	876	32,472	863	2.7	-140	-13
San Gabriel	Huntington Drive	Las Tunas Drive	45,013	731	44,245	736	1.7	-768	4
San Gabriel	Las Tunas Drive	Valley Boulevard	41,367	614	39,636	603	1.5	-1,731	-10
San Gabriel	Valley Boulevard	Garvey Avenue	39,943	638	38,451	601	1.6	-1,492	-37
Fremont	Valley Boulevard	Huntington Drive	50,265	1,431	53,047	1,515	2.9	2,782	84
Fremont	Huntington Drive	Garfield Avenue	25,638	555	29,985	650	2.2	4,347	95
Fremont	Garfield Avenue	Columbia Street	24,052	608	25,324	630	2.5	1,272	22
Garfield	Fremont Avenue	Huntington Drive	12,429	37	13,246	34	0.3	817	-2
Garfield	Huntington Drive	W. Main Street	47,543	437	47,716	444	0.9	173	7
Garfield	W. Main Street	Valley Boulevard	43,893	441	43,319	407	0.9	-574	-34
N Atlantic	Huntington Drive	Main Street	45,634	654	47,236	688	1.5	1,602	34
N Atlantic	Main Street	Valley Boulevard	53,439	917	51,976	819	1.6	-1,463	-97
N Atlantic	Valley	I-10	50,915	859	50,169	810	1.6	-747	-49
N Atlantic	I-10	SR 60	40,267	548	39,862	539	1.4	-405	-9
N Atlantic	SR 60	Whittier Boulevard	41,565	809	41,128	818	2.0	-437	9
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	55,371	322	55,050	319	0.6	-321	-3
S Los Robles	Corson Street	Huntington Drive	18,198	206	18,472	211	1.1	274	5
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,795	362	27,283	354	1.3	488	-8
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,407	466	23,431	437	1.9	24	-29
N Figueroa	York Boulevard	I-5	26,010	1,128	25,533	1,029	4.0	-477	-99

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
York	Eagle Rock Boulevard	N. Figueroa Street	18,380	135	18,730	141	0.8	351	6
N Mission Rd	Huntington Drive	Marengo Street	21,292	466	20,073	437	2.2	-1,219	-30
Foothill Blvd	Rosemont Avenue	SR 2	16,381	109	16,392	109	0.7	11	0
Foothill Blvd	SR 2	Angeles Crest Highway	10,394	62	10,395	62	0.6	0	0
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	7,621	79	7,703	83	1.1	83	4
Angeles Crest	SR 2	Angeles Forest Highway	33,790	1,874	33,701	1,920	5.7	-89	45
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,370	12	6,200	11	0.2	-171	-1
Chevy Chase	Descano Drive	Highland Drive	1,238	4	1,294	5	0.4	56	0
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,733	11	2,733	11	0.4	0	0

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 8: 2035 BRT Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	31,946	256,891	31,978	12.4	-284	31
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	38,555	294,664	38,461	13.1	-1,151	-94
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	39,350	334,030	39,252	11.8	-992	-98
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	39,629	360,632	39,568	11.0	-726	-61
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	22,591	263,531	22,552	8.6	-411	-39
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	941	52,695	1,119	2.1	2,187	178
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	20,388	172,266	20,509	11.9	1,457	121
I-210	Lincoln Avenue	SR 2	162,521	20,231	163,295	20,277	12.4	774	46
I-210	SR 2	La Crescenta Avenue	162,495	21,655	162,375	21,624	13.3	-120	-31
SR2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	99,364	7,598	97,909	7,543	7.7	-1,455	-55
SR2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	122,388	10,166	120,795	10,155	8.4	-1,593	-11
SR2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	190,492	13,717	188,962	13,694	7.2	-1,530	-23
SR2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	62,885	3,352	62,494	3,177	5.1	-391	-174
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	248,544	25,571	249,750	25,246	10.1	1,205	-325
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	291,456	31,923	290,892	31,544	10.8	-564	-379

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	252,970	32,646	250,766	32,145	12.8	-2,204	-501
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	306,629	34,394	306,030	34,116	11.1	-599	-278
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	231,671	23,198	231,836	23,621	10.2	165	423
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	290,538	27,172	290,789	27,542	9.5	251	370
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	20,136	258,739	20,100	7.8	166	-36
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	21,157	285,768	21,094	7.4	-178	-63
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	21,138	288,055	21,047	7.3	-182	-91
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	19,026	235,132	18,978	8.1	213	-48
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,507	941	52,695	1,119	2.1	2,187	178
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	61,191	2,215	99,240	3,486	3.5	38,049	1,271
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	77,533	3,192	110,660	4,240	3.8	33,127	1,048
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	166,381	13,775	173,758	13,496	7.8	7,376	-279
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	7,669	185,132	7,660	4.1	2,638	-9
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	311,759	22,203	312,800	21,401	6.8	1,042	-802
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	240,281	13,376	238,114	13,267	5.6	-2,168	-109
I-10	I-10 and SR 710 Interchange	Rosemead Boulevard	302,894	15,822	300,818	15,865	5.3	-2,075	43

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
	east Termini								
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	14,872	257,067	14,926	5.8	685	54
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	17,239	254,311	17,262	6.8	223	23
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	33,497	2,740	33,682	2,720	8.1	185	-19
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	153,766	24,114	153,270	24,221	15.8	-496	107
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	185,228	26,252	184,840	26,395	14.3	-389	143
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	211,044	30,556	210,059	30,598	14.6	-985	42
SR110	Glenarm Street	S Avenue 52	101,431	0	100,711	0	0.0	-720	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	154,974	0	153,539	0	0.0	-1,434	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	131,612	0	130,977	0	0.0	-636	0
BRT Alignment	Huntington Drive	Mission Street	45,442	2,229	47,758	2,756	5.8	2,316	528
BRT Alignment	Mission Street	Glenarm Street	39,088	0	41,971	0	0.0	2,883	0
BRT Alignment	Glenarm Street	California Boulevard	32,176	0	33,226	0	0.0	1,050	0
BRT Alignment	California Boulevard	Del Mar Boulevard	20,230	0	21,989	0	0.0	1,759	0
BRT Alignment	Fair Oaks Avenue	Los Robles Avenue	28,009	0	28,080	0	0.0	72	0
BRT Alignment	Los Robles Avenue	Lake Avenue	26,676	0	26,726	0	0.0	50	0
BRT Alignment	Lake Avenue	Hill Avenue	18,795	0	18,890	0	0.0	95	0
BRT Alignment	Del Mar Boulevard	Colorado Boulevard	17,338	0	17,464	0	0.0	126	0
BRT Alignment	Colorado Boulevard	Del Mar Boulevard	24,845	0	25,111	0	0.0	266	0
Colorado	S. Verdugo Road	N. Figueroa Street	26,094	269	26,246	282	1.1	151	13

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Colorado	N. Figueroa Street	N. Lake Avenue	10,345	156	10,373	148	1.4	28	-8
Colorado	N. Lake Avenue	N. Hill Avenue	8,782	0	9,036	0	0.0	254	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	10,766	76	10,707	66	0.6	-59	-10
Colorado	San Gabriel Boulevard	Rosemead Boulevard	9,627	64	9,364	68	0.7	-263	4
Colorado	Rosemead Boulevard	Huntington Drive	16,281	183	15,764	177	1.1	-517	-6
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	21,660	391	21,544	385	1.8	-116	-6
Huntington	Santa Anita Avenue	Rosemead Boulevard	40,766	823	41,675	813	2.0	909	-10
Huntington	Rosemead Boulevard	San Gabriel Boulevard	50,394	1,174	52,792	1,230	2.3	2,398	55
Huntington	San Gabriel Boulevard	Garfield Avenue	55,824	740	59,661	783	1.3	3,837	43
Huntington	Garfield Avenue	Fremont Avenue	49,744	866	48,603	899	1.9	-1,141	33
Huntington	Fremont Avenue	Eastern Avenue	59,511	1,128	59,954	1,203	2.0	443	76
Huntington	Eastern Avenue	N. Mission Road	42,645	737	42,087	693	1.6	-558	-44
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	40,930	449	39,546	427	1.1	-1,385	-21
E Live Oak	Commerce Drive (East of I-605)	Peck Road	36,971	1,107	36,676	1,100	3.0	-295	-7
E Live Oak	Peck Road	Santa Anita Avenue	24,229	401	23,915	361	1.5	-313	-40
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,918	272	18,512	233	1.3	-406	-39
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,440	271	23,977	241	1.0	-463	-30
Las Tunas Dr	Garfield Avenue	Palm Avenue	21,591	222	21,565	253	1.2	-26	31
Las Tunas Dr	Palm Avenue	Huntington Drive	23,941	414	24,352	499	2.0	410	85
Valley	I-605	Santa Anita Avenue	40,306	622	40,131	617	1.5	-175	-5
Valley	Santa Anita Avenue	Rosemead Boulevard	32,294	406	30,277	390	1.3	-2,017	-16
Valley	Rosemead Boulevard	San Gabriel Boulevard	27,019	210	27,766	250	0.9	747	40
Valley	San Gabriel Boulevard	Garfield Avenue	20,725	133	20,684	139	0.7	-41	6
Valley	Garfield Avenue	Atlantic Boulevard	11,373	80	11,330	81	0.7	-44	2

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Valley	Atlantic Boulevard	Fremont Avenue	13,685	179	12,592	132	1.1	-1,093	-46
Valley	Fremont Avenue	SR 710 Ramp	52,842	1,677	50,958	1,606	3.2	-1,884	-71
Valley	SR 710 Ramp	N. Mission Road	16,497	559	8,503	299	3.5	-7,994	-260
Myrtle Ave	Colorado Boulevard	I-210	15,869	264	15,799	263	1.7	-70	-2
Myrtle Ave	I-210	Live Oak Avenue	32,664	737	32,363	735	2.3	-301	-2
Peck Rd	Live Oak Avenue	Valley Boulevard	28,328	505	27,727	507	1.8	-601	2
Peck Rd	Valley Boulevard	Garvey Avenue	41,349	485	41,062	478	1.2	-287	-7
Santa Anita	Colorado Boulevard	Las Tunas Drive	26,373	461	26,164	436	1.7	-210	-25
Santa Anita	Las Tunas Drive	Valley Boulevard	29,317	506	28,933	480	1.7	-384	-26
Santa Anita	Valley Boulevard	Garvey Avenue	42,010	1,415	40,827	1,381	3.4	-1,183	-33
Rosemead	Orange Grove Boulevard	Huntington Drive	34,413	514	34,601	513	1.5	189	-1
Rosemead	Huntington Drive	Las Tunas Drive	35,803	730	36,382	761	2.1	579	31
Rosemead	Las Tunas Drive	Valley Boulevard	45,415	839	51,603	952	1.8	6,189	113
Rosemead	Valley Boulevard	Garvey Avenue	66,999	1,422	72,449	1,512	2.1	5,451	90
San Gabriel	I-210	Huntington Drive	32,612	876	32,487	894	2.8	-125	18
San Gabriel	Huntington Drive	Las Tunas Drive	45,013	731	44,246	763	1.7	-767	32
San Gabriel	Las Tunas Drive	Valley Boulevard	41,367	614	39,664	635	1.6	-1,703	22
San Gabriel	Valley Boulevard	Garvey Avenue	39,943	638	38,549	633	1.6	-1,394	-4
Fremont	Valley Boulevard	Huntington Drive	50,265	1,431	52,988	1,589	3.0	2,723	159
Fremont	Huntington Drive	Garfield Avenue	25,638	555	29,904	661	2.2	4,265	106
Fremont	Garfield Avenue	Columbia Street	24,052	608	25,271	652	2.6	1,219	44
Garfield	Fremont Avenue	Huntington Drive	12,429	37	13,423	33	0.2	994	-4
Garfield	Huntington Drive	W. Main Street	47,543	437	47,742	473	1.0	198	36
Garfield	W. Main Street	Valley Boulevard	43,893	441	43,234	445	1.0	-659	5
N Atlantic	Huntington Drive	Main Street	45,634	654	47,633	740	1.6	1,999	86

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
N Atlantic	Main Street	Valley Boulevard	53,439	917	52,469	869	1.7	-970	-48
N Atlantic	Valley	I-10	50,915	859	50,549	858	1.7	-367	-1
N Atlantic	I-10	SR 60	40,267	548	38,751	551	1.4	-1,516	4
N Atlantic	SR 60	Whittier Boulevard	41,565	809	41,460	833	2.0	-106	24
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	55,371	322	54,933	306	0.6	-439	-16
S Los Robles	Corson Street	Huntington Drive	18,198	206	18,405	236	1.3	207	29
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,795	362	27,194	382	1.4	399	20
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,407	466	23,440	469	2.0	33	3
N Figueroa	York Boulevard	I-5	26,010	1,128	25,465	1,030	4.0	-545	-98
York	Eagle Rock Boulevard	N. Figueroa Street	18,380	135	18,762	140	0.7	383	5
N Mission Rd	Huntington Drive	Marengo Street	21,292	466	20,151	395	2.0	-1,142	-72
Foothill Blvd	Rosemont Avenue	SR 2	16,381	109	16,286	108	0.7	-95	-1
Foothill Blvd	SR 2	Angeles Crest Highway	10,394	62	10,383	62	0.6	-11	0
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	7,621	79	7,691	83	1.1	70	4
Angeles Crest	SR 2	Angeles Forest Highway	33,790	1,874	33,684	1,915	5.7	-106	41
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,370	12	6,244	11	0.2	-126	-1
Chevy Chase	Descano Drive	Highland Drive	1,238	4	1,291	4	0.3	53	0
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,733	11	2,743	11	0.4	10	0

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 9: 2035 LRT Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	31,946	257,774	32,038	12.4	599	92
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	38,555	296,000	38,299	12.9	186	-257
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	39,350	335,339	39,068	11.7	317	-282
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	39,629	361,593	39,366	10.9	235	-263
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	22,591	264,836	22,408	8.5	894	-183
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	941	51,594	1,024	2.0	1,087	83
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	20,388	171,474	20,377	11.9	666	-12
I-210	Lincoln Avenue	SR 2	162,521	20,231	163,078	20,183	12.4	557	-48
I-210	SR 2	La Crescenta Avenue	162,495	21,655	162,763	21,362	13.1	268	-293
SR2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	99,364	7,598	98,871	7,123	7.2	-493	-475
SR2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	122,388	10,166	121,459	9,564	7.9	-929	-602
SR2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	190,492	13,717	190,027	13,043	6.9	-466	-674
SR2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	62,885	3,352	62,639	3,174	5.1	-246	-178
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	248,544	25,571	247,535	26,507	10.7	-1,010	936
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	291,456	31,923	291,013	32,248	11.1	-444	325

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	252,970	32,646	251,926	32,708	13.0	-1,043	62
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	306,629	34,394	306,452	34,831	11.4	-177	436
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	231,671	23,198	231,584	24,443	10.6	-87	1,245
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	290,538	27,172	290,731	28,165	9.7	192	993
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	20,136	260,689	19,941	7.6	2,116	-195
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	21,157	287,992	20,954	7.3	2,046	-203
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	21,138	289,538	20,911	7.2	1,301	-227
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	19,026	236,135	18,825	8.0	1,216	-201
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,507	941	51,594	1,024	2.0	1,087	83
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	61,191	2,215	64,233	2,366	3.7	3,042	152
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	77,533	3,192	79,914	3,332	4.2	2,382	139
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	166,381	13,775	167,906	12,894	7.7	1,524	-881
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	7,669	182,411	7,649	4.2	-82	-20
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	311,759	22,203	309,157	21,292	6.9	-2,602	-911
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	240,281	13,376	236,459	13,116	5.5	-3,823	-260
I-10	I-10 and SR 710 Interchange	Rosemead Boulevard	302,894	15,822	298,867	15,861	5.3	-4,026	39

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
	east Termini								
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	14,872	250,355	14,855	5.9	-6,028	-17
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	17,239	250,172	17,247	6.9	-3,916	8
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	33,497	2,740	33,531	2,732	8.1	33	-8
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	153,766	24,114	153,824	23,870	15.5	58	-244
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	185,228	26,252	185,460	26,033	14.0	232	-219
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	211,044	30,556	211,590	30,295	14.3	546	-261
SR110	Glenarm Street	S Avenue 52	101,431	0	101,470	0	0.0	39	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	154,974	0	155,187	0	0.0	214	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	131,612	0	132,056	0	0.0	444	0
Colorado	S. Verdugo Road	N. Figueroa Street	26,094	269	26,486	283	1.1	392	14
Colorado	N. Figueroa Street	N. Lake Avenue	10,345	156	10,539	154	1.5	194	-2
Colorado	N. Lake Avenue	N. Hill Avenue	8,782	0	9,012	0	0.0	230	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	10,766	76	10,913	73	0.7	147	-3
Colorado	San Gabriel Boulevard	Rosemead Boulevard	9,627	64	9,686	79	0.8	59	15
Colorado	Rosemead Boulevard	Huntington Drive	16,281	183	16,353	195	1.2	72	12
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	21,660	391	21,864	397	1.8	204	6
Huntington	Santa Anita Avenue	Rosemead Boulevard	40,766	823	41,856	854	2.0	1,090	31
Huntington	Rosemead Boulevard	San Gabriel Boulevard	50,394	1,174	52,557	1,285	2.4	2,163	110
Huntington	San Gabriel Boulevard	Garfield Avenue	55,824	740	58,894	780	1.3	3,070	41

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Garfield Avenue	Fremont Avenue	49,744	866	49,266	910	1.8	-478	44
Huntington	Fremont Avenue	Eastern Avenue	59,511	1,128	58,870	1,197	2.0	-641	70
Huntington	Eastern Avenue	N. Mission Road	42,645	737	42,394	750	1.8	-251	13
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	40,930	449	40,601	467	1.2	-329	19
E Live Oak	Commerce Drive (East of I-605)	Peck Road	36,971	1,107	36,977	1,079	2.9	6	-28
E Live Oak	Peck Road	Santa Anita Avenue	24,229	401	24,388	399	1.6	159	-2
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,918	272	18,855	273	1.4	-63	1
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,440	271	24,081	271	1.1	-359	0
Las Tunas Dr	Garfield Avenue	Palm Avenue	21,591	222	21,656	223	1.0	65	2
Las Tunas Dr	Palm Avenue	Huntington Drive	23,941	414	23,274	443	1.9	-667	29
Valley	I-605	Santa Anita Avenue	40,306	622	40,671	619	1.5	365	-3
Valley	Santa Anita Avenue	Rosemead Boulevard	32,294	406	30,723	396	1.3	-1,571	-10
Valley	Rosemead Boulevard	San Gabriel Boulevard	27,019	210	28,299	255	0.9	1,280	45
Valley	San Gabriel Boulevard	Garfield Avenue	20,725	133	20,595	133	0.6	-129	0
Valley	Garfield Avenue	Atlantic Boulevard	11,373	80	11,796	82	0.7	423	2
Valley	Atlantic Boulevard	Fremont Avenue	13,685	179	13,339	171	1.3	-347	-8
Valley	Fremont Avenue	SR 710 Ramp	52,842	1,677	56,695	1,877	3.3	3,853	200
Valley	SR 710 Ramp	N. Mission Road	16,497	559	16,191	534	3.3	-306	-26
Myrtle Ave	Colorado Boulevard	I-210	15,869	264	15,645	258	1.7	-224	-6
Myrtle Ave	I-210	Live Oak Avenue	32,664	737	32,368	736	2.3	-295	-1
Peck Rd	Live Oak Avenue	Valley Boulevard	28,328	505	27,783	501	1.8	-545	-4
Peck Rd	Valley Boulevard	Garvey Avenue	41,349	485	41,340	489	1.2	-9	4
Santa Anita	Colorado Boulevard	Las Tunas Drive	26,373	461	26,436	443	1.7	63	-19
Santa Anita	Las Tunas Drive	Valley Boulevard	29,317	506	29,108	491	1.7	-210	-15

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Santa Anita	Valley Boulevard	Garvey Avenue	42,010	1,415	40,721	1,370	3.4	-1,290	-45
Rosemead	Orange Grove Boulevard	Huntington Drive	34,413	514	34,698	504	1.5	286	-10
Rosemead	Huntington Drive	Las Tunas Drive	35,803	730	36,592	758	2.1	789	28
Rosemead	Las Tunas Drive	Valley Boulevard	45,415	839	51,907	956	1.8	6,492	117
Rosemead	Valley Boulevard	Garvey Avenue	66,999	1,422	72,728	1,552	2.1	5,729	131
San Gabriel	I-210	Huntington Drive	32,612	876	32,437	879	2.7	-176	3
San Gabriel	Huntington Drive	Las Tunas Drive	45,013	731	44,507	752	1.7	-505	21
San Gabriel	Las Tunas Drive	Valley Boulevard	41,367	614	40,364	638	1.6	-1,003	25
San Gabriel	Valley Boulevard	Garvey Avenue	39,943	638	38,918	623	1.6	-1,025	-15
Fremont	Valley Boulevard	Huntington Drive	50,265	1,431	52,908	1,580	3.0	2,642	149
Fremont	Huntington Drive	Garfield Avenue	25,638	555	29,435	682	2.3	3,797	127
Fremont	Garfield Avenue	Columbia Street	24,052	608	24,947	647	2.6	894	39
Garfield	Fremont Avenue	Huntington Drive	12,429	37	12,212	30	0.2	-217	-7
Garfield	Huntington Drive	W. Main Street	47,543	437	47,824	453	0.9	280	16
Garfield	W. Main Street	Valley Boulevard	43,893	441	44,206	461	1.0	313	21
N Atlantic	Huntington Drive	Main Street	45,634	654	46,475	720	1.5	842	66
N Atlantic	Main Street	Valley Boulevard	53,439	917	53,256	965	1.8	-183	48
N Atlantic	Valley	I-10	50,915	859	52,977	923	1.7	2,062	64
N Atlantic	I-10	SR 60	40,267	548	40,211	556	1.4	-56	8
N Atlantic	SR 60	Whittier Boulevard	41,565	809	41,600	805	1.9	35	-4
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	55,371	322	54,418	317	0.6	-954	-5
S Los Robles	Corson Street	Huntington Drive	18,198	206	18,404	231	1.3	207	25
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,795	362	27,371	411	1.5	576	49
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,407	466	22,995	544	2.4	-412	78
N Figueroa	York Boulevard	I-5	26,010	1,128	25,967	1,057	4.1	-44	-71

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
York	Eagle Rock Boulevard	N. Figueroa Street	18,380	135	18,773	141	0.8	394	6
N Mission Rd	Huntington Drive	Marengo Street	21,292	466	21,088	464	2.2	-204	-3
Foothill Blvd	Rosemont Avenue	SR 2	16,381	109	16,409	109	0.7	28	0
Foothill Blvd	SR 2	Angeles Crest Highway	10,394	62	10,437	62	0.6	42	1
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	7,621	79	7,629	79	1.0	8	0
Angeles Crest	SR 2	Angeles Forest Highway	33,790	1,874	33,677	1,913	5.7	-113	39
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,370	12	6,356	12	0.2	-14	0
Chevy Chase	Descano Drive	Highland Drive	1,238	4	1,251	4	0.4	13	0
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,733	11	2,742	11	0.4	9	0

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 10: 2035 Dual Bore No Toll and without Trucks Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	31,946	254,728	32,204	12.6	-2,447	258
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	38,555	287,258	37,497	13.1	-8,556	-1,058
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	39,350	324,864	38,258	11.8	-10,158	-1,092
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	39,629	354,590	38,570	10.9	-6,768	-1,059
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	22,591	267,743	22,047	8.2	3,801	-544
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	941	106,571	245	0.2	56,064	-696
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	20,388	209,190	19,286	9.2	38,381	-1,102
I-210	Lincoln Avenue	SR 2	162,521	20,231	193,550	19,166	9.9	31,029	-1,065
I-210	SR 2	La Crescenta Avenue	162,495	21,655	183,238	20,239	11.0	20,743	-1,416
SR2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	99,364	7,598	82,149	6,254	7.6	-17,214	-1,345
SR2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	122,388	10,166	98,274	8,456	8.6	-24,113	-1,710
SR2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	190,492	13,717	166,647	12,226	7.3	-23,845	-1,490
SR2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	62,885	3,352	58,642	2,633	4.5	-4,243	-719
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	248,544	25,571	249,087	30,227	12.1	543	4,656
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	291,456	31,923	281,073	35,996	12.8	-10,383	4,073

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	252,970	32,646	240,191	36,421	15.2	-12,778	3,775
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	306,629	34,394	287,961	38,639	13.4	-18,668	4,244
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	231,671	23,198	222,000	32,772	14.8	-9,671	9,574
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	290,538	27,172	285,168	36,415	12.8	-5,371	9,242
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	20,136	255,711	19,757	7.7	-2,861	-379
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	21,157	295,877	20,555	6.9	9,930	-601
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	21,138	296,699	20,669	7.0	8,462	-469
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	19,026	244,220	18,565	7.6	9,302	-460
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,507	941	106,571	245	0.2	56,064	-696
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	0	0	106,725	0	0.0	106,725	0
SR 710	SR 710 North Portal	SR 710 South portal	0	0	183,125	0	0.0	183,125	0
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	0	0	208,010	1,311	0.6	208,010	1,311
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	77,533	3,192	160,407	1,828	1.1	82,874	-1,365
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	166,381	13,775	199,085	5,924	3.0	32,704	-7,851
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	7,669	188,061	7,066	3.8	5,568	-603
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	311,759	22,203	304,610	16,967	5.6	-7,149	-5,236

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	240,281	13,376	234,356	12,799	5.5	-5,925	-578
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	302,894	15,822	306,827	15,330	5.0	3,933	-492
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	14,872	261,714	14,526	5.6	5,332	-345
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	17,239	257,496	16,924	6.6	3,408	-314
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	33,497	2,740	34,440	2,709	7.9	943	-30
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	153,766	24,114	148,063	23,611	15.9	-5,703	-503
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	185,228	26,252	179,806	25,806	14.4	-5,422	-446
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	211,044	30,556	207,169	29,925	14.4	-3,874	-631
SR110	Glenarm Street	S Avenue 52	101,431	0	93,688	0	0.0	-7,744	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	154,974	0	145,893	0	0.0	-9,081	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	131,612	0	129,490	0	0.0	-2,122	0
Colorado	S. Verdugo Road	N. Figueroa Street	26,094	269	29,237	348	1.2	3,143	80
Colorado	N. Figueroa Street	N. Lake Avenue	10,345	156	12,458	213	1.7	2,113	57
Colorado	N. Lake Avenue	N. Hill Avenue	8,782	0	6,631	0	0.0	-2,152	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	10,766	76	7,931	50	0.6	-2,835	-27
Colorado	San Gabriel Boulevard	Rosemead Boulevard	9,627	64	6,403	47	0.7	-3,224	-18
Colorado	Rosemead Boulevard	Huntington Drive	16,281	183	12,971	105	0.8	-3,310	-78
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	21,660	391	20,727	373	1.8	-934	-18
Huntington	Santa Anita Avenue	Rosemead Boulevard	40,766	823	41,104	767	1.9	338	-56

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Rosemead Boulevard	San Gabriel Boulevard	50,394	1,174	53,354	1,331	2.5	2,960	157
Huntington	San Gabriel Boulevard	Garfield Avenue	55,824	740	55,605	905	1.6	-219	166
Huntington	Garfield Avenue	Fremont Avenue	49,744	866	45,660	967	2.1	-4,084	101
Huntington	Fremont Avenue	Eastern Avenue	59,511	1,128	46,804	1,143	2.4	-12,707	15
Huntington	Eastern Avenue	N. Mission Road	42,645	737	37,450	785	2.1	-5,195	48
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	40,930	449	38,579	462	1.2	-2,352	14
E Live Oak	Commerce Drive (East of I-605)	Peck Road	36,971	1,107	36,234	1,084	3.0	-737	-23
E Live Oak	Peck Road	Santa Anita Avenue	24,229	401	23,525	359	1.5	-703	-42
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,918	272	18,612	226	1.2	-306	-46
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,440	271	23,617	240	1.0	-824	-31
Las Tunas Dr	Garfield Avenue	Palm Avenue	21,591	222	18,122	175	1.0	-3,469	-46
Las Tunas Dr	Palm Avenue	Huntington Drive	23,941	414	17,289	315	1.8	-6,653	-99
Valley	I-605	Santa Anita Avenue	40,306	622	39,928	613	1.5	-379	-9
Valley	Santa Anita Avenue	Rosemead Boulevard	32,294	406	29,760	388	1.3	-2,534	-18
Valley	Rosemead Boulevard	San Gabriel Boulevard	27,019	210	27,967	281	1.0	948	71
Valley	San Gabriel Boulevard	Garfield Avenue	20,725	133	21,485	144	0.7	760	11
Valley	Garfield Avenue	Atlantic Boulevard	11,373	80	13,683	107	0.8	2,310	27
Valley	Atlantic Boulevard	Fremont Avenue	13,685	179	15,609	114	0.7	1,923	-65
Valley	Fremont Avenue	SR 710 Ramp	52,842	1,677	32,031	1,330	4.2	-20,812	-347
Valley	SR 710 Ramp	N. Mission Road	16,497	559	9,074	116	1.3	-7,423	-443
Myrtle Ave	Colorado Boulevard	I-210	15,869	264	15,227	312	2.0	-642	47
Myrtle Ave	I-210	Live Oak Avenue	32,664	737	30,749	718	2.3	-1,915	-19
Peck Rd	Live Oak Avenue	Valley Boulevard	28,328	505	25,518	467	1.8	-2,811	-38
Peck Rd	Valley Boulevard	Garvey Avenue	41,349	485	41,137	503	1.2	-212	18

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Santa Anita	Colorado Boulevard	Las Tunas Drive	26,373	461	24,105	369	1.5	-2,269	-92
Santa Anita	Las Tunas Drive	Valley Boulevard	29,317	506	27,792	432	1.6	-1,526	-74
Santa Anita	Valley Boulevard	Garvey Avenue	42,010	1,415	38,885	1,382	3.6	-3,125	-33
Rosemead	Orange Grove Boulevard	Huntington Drive	34,413	514	31,086	601	1.9	-3,326	88
Rosemead	Huntington Drive	Las Tunas Drive	35,803	730	31,001	840	2.7	-4,802	110
Rosemead	Las Tunas Drive	Valley Boulevard	45,415	839	46,163	1,073	2.3	749	234
Rosemead	Valley Boulevard	Garvey Avenue	66,999	1,422	67,705	1,703	2.5	706	281
San Gabriel	I-210	Huntington Drive	32,612	876	27,397	801	2.9	-5,216	-75
San Gabriel	Huntington Drive	Las Tunas Drive	45,013	731	39,815	729	1.8	-5,197	-3
San Gabriel	Las Tunas Drive	Valley Boulevard	41,367	614	36,097	563	1.6	-5,270	-51
San Gabriel	Valley Boulevard	Garvey Avenue	39,943	638	36,007	610	1.7	-3,936	-27
Fremont	Valley Boulevard	Huntington Drive	50,265	1,431	37,505	1,702	4.5	-12,760	271
Fremont	Huntington Drive	Garfield Avenue	25,638	555	23,201	559	2.4	-2,438	4
Fremont	Garfield Avenue	Columbia Street	24,052	608	17,798	498	2.8	-6,254	-110
Garfield	Fremont Avenue	Huntington Drive	12,429	37	12,487	19	0.2	58	-18
Garfield	Huntington Drive	W. Main Street	47,543	437	42,610	435	1.0	-4,933	-1
Garfield	W. Main Street	Valley Boulevard	43,893	441	39,413	488	1.2	-4,480	47
N Atlantic	Huntington Drive	Main Street	45,634	654	36,173	735	2.0	-9,461	81
N Atlantic	Main Street	Valley Boulevard	53,439	917	47,462	987	2.1	-5,977	70
N Atlantic	Valley	I-10	50,915	859	50,411	990	2.0	-505	132
N Atlantic	I-10	SR 60	40,267	548	40,283	643	1.6	17	95
N Atlantic	SR 60	Whittier Boulevard	41,565	809	42,154	898	2.1	588	89
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	55,371	322	47,090	545	1.2	-8,281	223
S Los Robles	Corson Street	Huntington Drive	18,198	206	15,570	220	1.4	-2,627	14
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,795	362	25,200	320	1.3	-1,595	-42

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,407	466	19,079	398	2.1	-4,328	-68
N Figueroa	York Boulevard	I-5	26,010	1,128	23,918	1,021	4.3	-2,092	-107
York	Eagle Rock Boulevard	N. Figueroa Street	18,380	135	18,752	147	0.8	373	12
N Mission Rd	Huntington Drive	Marengo Street	21,292	466	19,551	483	2.5	-1,742	17
Foothill Blvd	Rosemont Avenue	SR 2	16,381	109	17,356	115	0.7	975	6
Foothill Blvd	SR 2	Angeles Crest Highway	10,394	62	13,383	68	0.5	2,988	6
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	7,621	79	10,696	93	0.9	3,075	14
Angeles Crest	SR 2	Angeles Forest Highway	33,790	1,874	34,033	1,642	4.8	243	-232
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,370	12	6,360	14	0.2	-10	2
Chevy Chase	Descano Drive	Highland Drive	1,238	4	1,404	13	0.9	166	8
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,733	11	3,940	27	0.7	1,207	16

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 11: 2035 Single Bore with Tolls and without Trucks Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	31,946	255,314	32,015	12.5	-1,861	69
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	38,555	292,083	38,033	13.0	-3,731	-523
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	39,350	330,198	38,807	11.8	-4,824	-543
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	39,629	359,217	39,122	10.9	-2,141	-506
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	22,591	270,097	22,440	8.3	6,154	-151
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	941	66,508	275	0.4	16,001	-666
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	20,388	190,380	19,695	10.3	19,571	-693
I-210	Lincoln Avenue	SR 2	162,521	20,231	180,563	19,570	10.8	18,042	-661
I-210	SR 2	La Crescenta Avenue	162,495	21,655	172,677	21,055	12.2	10,182	-600
SR2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	99,364	7,598	86,175	7,420	8.6	-13,189	-178
SR2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	122,388	10,166	105,763	9,951	9.4	-16,625	-215
SR2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	190,492	13,717	177,489	13,666	7.7	-13,003	-51
SR2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	62,885	3,352	60,317	2,780	4.6	-2,568	-571
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	248,544	25,571	250,125	27,247	10.9	1,581	1,676
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	291,456	31,923	285,989	33,911	11.9	-5,468	1,989
I-5	I-5 and SR 110 Interchange	I-5 and SR 110 Interchange	252,970	32,646	244,128	34,325	14.1	-8,842	1,678

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
	North Termini	South Termini							
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	306,629	34,394	298,324	36,703	12.3	-8,306	2,308
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	231,671	23,198	225,633	28,382	12.6	-6,038	5,184
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	290,538	27,172	287,238	32,140	11.2	-3,301	4,968
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	20,136	262,816	20,093	7.6	4,243	-43
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	21,157	287,006	20,982	7.3	1,059	-175
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	21,138	290,746	21,115	7.3	2,509	-23
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	19,026	237,694	18,958	8.0	2,775	-68
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,507	941	66,508	275	0.4	16,001	-666
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	39,143	798	64,506	0	0.0	25,364	-798
SR 710	SR 710 North Portal	SR 710 South portal	0	0	93,328	0	0.0	93,328	0
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	61,191	2,215	122,466	1,447	1.2	61,275	-768
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	77,533	3,192	130,303	2,310	1.8	52,770	-882
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	166,381	13,775	186,693	9,750	5.2	20,311	-4,025
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	7,669	183,788	7,279	4.0	1,295	-390
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	311,759	22,203	307,995	19,740	6.4	-3,763	-2,463

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	240,281	13,376	239,019	13,263	5.5	-1,263	-113
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	302,894	15,822	301,352	15,680	5.2	-1,542	-142
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	14,872	257,273	14,716	5.7	890	-156
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	17,239	254,959	17,124	6.7	871	-115
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	33,497	2,740	33,888	2,694	8.0	391	-45
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	153,766	24,114	151,864	23,882	15.7	-1,901	-231
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	185,228	26,252	183,520	26,066	14.2	-1,708	-186
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	211,044	30,556	208,634	30,270	14.5	-2,410	-286
SR110	Glenarm Street	S Avenue 52	101,431	0	98,845	0	0.0	-2,586	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	154,974	0	151,477	0	0.0	-3,497	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	131,612	0	131,338	0	0.0	-274	0
Colorado	S. Verdugo Road	N. Figueroa Street	26,094	269	27,420	285	1.0	1,325	16
Colorado	N. Figueroa Street	N. Lake Avenue	10,345	156	12,017	200	1.7	1,672	44
Colorado	N. Lake Avenue	N. Hill Avenue	8,782	0	6,951	0	0.0	-1,831	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	10,766	76	9,253	53	0.6	-1,514	-23
Colorado	San Gabriel Boulevard	Rosemead Boulevard	9,627	64	7,778	57	0.7	-1,849	-7
Colorado	Rosemead Boulevard	Huntington Drive	16,281	183	14,342	127	0.9	-1,939	-55
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	21,660	391	21,333	384	1.8	-327	-8
Huntington	Santa Anita Avenue	Rosemead Boulevard	40,766	823	42,729	754	1.8	1,963	-69

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Rosemead Boulevard	San Gabriel Boulevard	50,394	1,174	54,453	1,221	2.2	4,060	46
Huntington	San Gabriel Boulevard	Garfield Avenue	55,824	740	58,665	811	1.4	2,841	72
Huntington	Garfield Avenue	Fremont Avenue	49,744	866	48,155	935	1.9	-1,589	68
Huntington	Fremont Avenue	Eastern Avenue	59,511	1,128	51,508	1,134	2.2	-8,003	6
Huntington	Eastern Avenue	N. Mission Road	42,645	737	39,790	776	1.9	-2,855	39
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	40,930	449	38,978	460	1.2	-1,952	11
E Live Oak	Commerce Drive (East of I-605)	Peck Road	36,971	1,107	36,543	1,065	2.9	-428	-42
E Live Oak	Peck Road	Santa Anita Avenue	24,229	401	23,824	366	1.5	-405	-35
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,918	272	18,543	235	1.3	-375	-37
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,440	271	23,626	243	1.0	-814	-28
Las Tunas Dr	Garfield Avenue	Palm Avenue	21,591	222	19,023	179	0.9	-2,568	-43
Las Tunas Dr	Palm Avenue	Huntington Drive	23,941	414	19,053	361	1.9	-4,888	-53
Valley	I-605	Santa Anita Avenue	40,306	622	39,684	626	1.6	-622	4
Valley	Santa Anita Avenue	Rosemead Boulevard	32,294	406	29,864	381	1.3	-2,431	-25
Valley	Rosemead Boulevard	San Gabriel Boulevard	27,019	210	27,623	242	0.9	604	32
Valley	San Gabriel Boulevard	Garfield Avenue	20,725	133	21,046	136	0.6	322	3
Valley	Garfield Avenue	Atlantic Boulevard	11,373	80	12,840	93	0.7	1,467	13
Valley	Atlantic Boulevard	Fremont Avenue	13,685	179	14,838	113	0.8	1,153	-66
Valley	Fremont Avenue	SR 710 Ramp	52,842	1,677	35,384	1,324	3.7	-17,458	-353
Valley	SR 710 Ramp	N. Mission Road	16,497	559	9,760	212	2.2	-6,737	-347
Myrtle Ave	Colorado Boulevard	I-210	15,869	264	15,626	265	1.7	-242	0
Myrtle Ave	I-210	Live Oak Avenue	32,664	737	31,908	718	2.3	-755	-18
Peck Rd	Live Oak Avenue	Valley Boulevard	28,328	505	27,084	489	1.8	-1,244	-16
Peck Rd	Valley Boulevard	Garvey Avenue	41,349	485	41,474	505	1.2	125	20

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Santa Anita	Colorado Boulevard	Las Tunas Drive	26,373	461	25,509	417	1.6	-865	-44
Santa Anita	Las Tunas Drive	Valley Boulevard	29,317	506	28,443	465	1.6	-874	-41
Santa Anita	Valley Boulevard	Garvey Avenue	42,010	1,415	39,948	1,378	3.4	-2,062	-37
Rosemead	Orange Grove Boulevard	Huntington Drive	34,413	514	32,874	542	1.6	-1,539	28
Rosemead	Huntington Drive	Las Tunas Drive	35,803	730	33,863	768	2.3	-1,939	37
Rosemead	Las Tunas Drive	Valley Boulevard	45,415	839	48,879	991	2.0	3,465	152
Rosemead	Valley Boulevard	Garvey Avenue	66,999	1,422	70,289	1,580	2.2	3,290	159
San Gabriel	I-210	Huntington Drive	32,612	876	30,314	811	2.7	-2,298	-65
San Gabriel	Huntington Drive	Las Tunas Drive	45,013	731	42,253	719	1.7	-2,760	-12
San Gabriel	Las Tunas Drive	Valley Boulevard	41,367	614	38,326	568	1.5	-3,042	-46
San Gabriel	Valley Boulevard	Garvey Avenue	39,943	638	37,348	576	1.5	-2,595	-62
Fremont	Valley Boulevard	Huntington Drive	50,265	1,431	41,041	1,719	4.2	-9,224	288
Fremont	Huntington Drive	Garfield Avenue	25,638	555	25,001	481	1.9	-637	-74
Fremont	Garfield Avenue	Columbia Street	24,052	608	19,583	516	2.6	-4,469	-92
Garfield	Fremont Avenue	Huntington Drive	12,429	37	12,630	20	0.2	201	-17
Garfield	Huntington Drive	W. Main Street	47,543	437	44,618	425	1.0	-2,925	-12
Garfield	W. Main Street	Valley Boulevard	43,893	441	41,596	461	1.1	-2,297	21
N Atlantic	Huntington Drive	Main Street	45,634	654	39,988	657	1.6	-5,646	3
N Atlantic	Main Street	Valley Boulevard	53,439	917	49,433	924	1.9	-4,006	7
N Atlantic	Valley	I-10	50,915	859	51,351	952	1.9	435	93
N Atlantic	I-10	SR 60	40,267	548	39,392	557	1.4	-874	10
N Atlantic	SR 60	Whittier Boulevard	41,565	809	41,002	824	2.0	-564	15
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	55,371	322	50,414	494	1.0	-4,958	172
S Los Robles	Corson Street	Huntington Drive	18,198	206	16,826	206	1.2	-1,371	0
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,795	362	26,526	333	1.3	-269	-29

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,407	466	21,364	421	2.0	-2,043	-44
N Figueroa	York Boulevard	I-5	26,010	1,128	24,721	987	4.0	-1,289	-140
York	Eagle Rock Boulevard	N. Figueroa Street	18,380	135	18,754	145	0.8	374	10
N Mission Rd	Huntington Drive	Marengo Street	21,292	466	20,290	430	2.1	-1,002	-37
Foothill Blvd	Rosemont Avenue	SR 2	16,381	109	16,767	110	0.7	386	1
Foothill Blvd	SR 2	Angeles Crest Highway	10,394	62	12,072	64	0.5	1,677	3
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	7,621	79	8,898	85	1.0	1,278	6
Angeles Crest	SR 2	Angeles Forest Highway	33,790	1,874	34,031	1,722	5.1	241	-153
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,370	12	6,168	13	0.2	-202	2
Chevy Chase	Descano Drive	Highland Drive	1,238	4	1,331	12	0.9	93	8
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,733	11	3,087	20	0.6	353	9

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 12: 2025 Dual Bore No Toll Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	27,546	255,667	27,161	10.6	-2,301	-385
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	32,662	280,496	29,836	10.6	-9,551	-2,825
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	33,332	318,656	30,431	9.5	-10,670	-2,901
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	33,677	348,044	30,920	8.9	-7,865	-2,756
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	19,187	262,000	18,424	7.0	3,815	-764
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	871	80,437	10,212	12.7	29,797	9,342
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	17,272	202,933	26,663	13.1	34,883	9,391
I-210	Lincoln Avenue	SR 2	160,165	17,119	187,743	26,072	13.9	27,578	8,953
I-210	SR 2	La Crescenta Avenue	159,064	17,973	177,420	24,839	14.0	18,356	6,867
SR 2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	95,158	5,769	76,518	1,992	2.6	-18,640	-3,777
SR 2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	117,971	7,849	92,524	2,736	3.0	-25,447	-5,113
SR 2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	183,102	11,106	159,737	4,956	3.1	-23,366	-6,150
SR 2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	68,976	3,642	63,206	1,988	3.1	-5,770	-1,654
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	252,428	24,442	253,769	20,456	8.1	1,342	-3,986
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	286,330	29,232	278,536	22,018	7.9	-7,794	-7,215
I-5	I-5 and SR 110 Interchange	I-5 and SR 110 Interchange	247,260	29,592	239,639	22,324	9.3	-7,621	-7,267

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
	North Termini	South Termini							
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	301,114	31,327	284,720	23,026	8.1	-16,394	-8,300
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	230,815	22,186	223,742	20,035	9.0	-7,074	-2,151
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	286,860	24,010	285,301	23,327	8.2	-1,559	-682
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	17,145	251,184	16,098	6.4	-3,270	-1,047
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	18,101	288,608	18,521	6.4	9,020	420
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	18,037	289,022	18,513	6.4	7,352	476
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	16,141	237,464	17,298	7.3	8,480	1,157
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,640	871	80,437	10,212	12.7	29,797	9,342
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	0	0	164,384	17,232	10.5	164,384	17,232
SR 710	SR 710 North Portal	SR 710 South portal	0	0	180,182	17,965	10.0	180,182	17,965
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	0	0	193,294	18,316	9.5	193,294	18,316
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	75,121	2,989	157,557	14,039	8.9	82,436	11,050
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	161,752	11,732	193,671	17,077	8.8	31,919	5,345
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	6,597	188,854	6,722	3.6	6,260	125
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	304,228	19,072	300,214	13,038	4.3	-4,015	-6,034

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	236,993	11,099	235,024	10,613	4.5	-1,970	-486
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	291,381	13,095	294,786	13,278	4.5	3,404	183
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	32,840	2,305	33,001	2,219	6.7	161	-86
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	152,819	17,634	146,191	16,468	11.3	-6,628	-1,166
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	183,380	19,198	177,521	18,157	10.2	-5,859	-1,041
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	208,868	23,936	203,850	22,142	10.9	-5,017	-1,794
SR110	Glenarm Street	S Avenue 52	98,487	0	89,912	0	0.0	-8,574	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	149,192	0	139,494	0	0.0	-9,698	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	127,874	0	125,078	0	0.0	-2,795	0
Colorado	S. Verdugo Road	N. Figueroa Street	16,991	0	27,978	316	1.1	10,987	316
Colorado	N. Figueroa Street	N. Lake Avenue	24,669	0	11,963	130	1.1	-12,706	130
Colorado	N. Lake Avenue	N. Hill Avenue	25,216	258	5,966	0	0.0	-19,250	-258
Colorado	N. Hill Avenue	San Gabriel Boulevard	9,889	147	7,246	33	0.5	-2,643	-114
Colorado	San Gabriel Boulevard	Rosemead Boulevard	7,654	0	5,384	39	0.7	-2,270	39
Colorado	Rosemead Boulevard	Huntington Drive	9,704	56	10,596	88	0.8	892	32
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	8,350	52	19,736	330	1.7	11,386	278
Huntington	Santa Anita Avenue	Rosemead Boulevard	13,168	123	38,854	574	1.5	25,686	451
Huntington	Rosemead Boulevard	San Gabriel Boulevard	20,279	340	51,036	891	1.7	30,757	551
Huntington	San Gabriel Boulevard	Garfield Avenue	39,064	690	52,992	496	0.9	13,928	-193
Huntington	Garfield Avenue	Fremont Avenue	48,855	1,105	43,662	570	1.3	-5,193	-535

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Fremont Avenue	Eastern Avenue	53,823	670	45,085	578	1.3	-8,738	-92
Huntington	Eastern Avenue	N. Mission Road	48,720	757	36,525	465	1.3	-12,195	-293
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	58,199	988	38,039	382	1.0	-20,160	-606
E Live Oak	Commerce Drive (East of I-605)	Peck Road	41,967	658	36,932	1,024	2.8	-5,036	366
E Live Oak	Peck Road	Santa Anita Avenue	40,236	403	23,202	315	1.4	-17,033	-88
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	37,736	1,011	18,365	189	1.0	-19,371	-822
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	23,912	343	23,436	200	0.9	-475	-143
Las Tunas Dr	Garfield Avenue	Palm Avenue	18,641	223	17,525	154	0.9	-1,117	-69
Las Tunas Dr	Palm Avenue	Huntington Drive	24,239	227	16,204	177	1.1	-8,034	-50
Valley	I-605	Santa Anita Avenue	21,071	190	38,743	584	1.5	17,672	393
Valley	Santa Anita Avenue	Rosemead Boulevard	23,045	341	28,692	331	1.2	5,647	-10
Valley	Rosemead Boulevard	San Gabriel Boulevard	39,207	593	25,542	201	0.8	-13,665	-391
Valley	San Gabriel Boulevard	Garfield Avenue	31,365	352	20,278	121	0.6	-11,087	-231
Valley	Garfield Avenue	Atlantic Boulevard	25,042	195	14,084	110	0.8	-10,958	-85
Valley	Atlantic Boulevard	Fremont Avenue	18,794	126	15,147	100	0.7	-3,647	-26
Valley	Fremont Avenue	SR 710 Ramp	11,451	75	29,773	688	2.3	18,322	614
Valley	SR 710 Ramp	N. Mission Road	12,935	169	8,680	96	1.1	-4,255	-74
Myrtle Ave	Colorado Boulevard	I-210	50,948	1,503	15,213	290	1.9	-35,735	-1,213
Myrtle Ave	I-210	Live Oak Avenue	15,190	468	30,482	574	1.9	15,292	106
Peck Rd	Live Oak Avenue	Valley Boulevard	16,004	252	24,900	368	1.5	8,895	116
Peck Rd	Valley Boulevard	Garvey Avenue	32,402	639	39,914	436	1.1	7,512	-203
Santa Anita	Colorado Boulevard	Las Tunas Drive	27,806	447	23,602	301	1.3	-4,204	-146
Santa Anita	Las Tunas Drive	Valley Boulevard	40,261	433	27,220	380	1.4	-13,042	-53
Santa Anita	Valley Boulevard	Garvey Avenue	25,794	419	37,675	1,186	3.1	11,881	766

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Rosemead	Orange Grove Boulevard	Huntington Drive	28,856	465	30,036	342	1.1	1,180	-123
Rosemead	Huntington Drive	Las Tunas Drive	41,017	1,274	30,632	421	1.4	-10,385	-853
Rosemead	Las Tunas Drive	Valley Boulevard	33,400	479	45,798	637	1.4	12,398	158
Rosemead	Valley Boulevard	Garvey Avenue	35,427	662	65,412	1,280	2.0	29,985	618
San Gabriel	I-210	Huntington Drive	44,948	754	26,628	491	1.8	-18,320	-263
San Gabriel	Huntington Drive	Las Tunas Drive	64,781	1,217	39,410	464	1.2	-25,371	-754
San Gabriel	Las Tunas Drive	Valley Boulevard	32,076	830	34,468	406	1.2	2,392	-424
San Gabriel	Valley Boulevard	Garvey Avenue	44,656	693	31,679	456	1.4	-12,977	-237
Fremont	Valley Boulevard	Huntington Drive	39,968	593	36,482	804	2.2	-3,486	211
Fremont	Huntington Drive	Garfield Avenue	35,429	545	22,875	386	1.7	-12,554	-159
Fremont	Garfield Avenue	Columbia Street	49,712	1,357	17,504	282	1.6	-32,207	-1,075
Garfield	Fremont Avenue	Huntington Drive	25,127	527	12,094	19	0.2	-13,033	-508
Garfield	Huntington Drive	W. Main Street	23,740	558	42,212	309	0.7	18,472	-249
Garfield	W. Main Street	Valley Boulevard	12,203	39	39,109	353	0.9	26,906	314
N Atlantic	Huntington Drive	Main Street	46,985	404	35,266	372	1.1	-11,718	-32
N Atlantic	Main Street	Valley Boulevard	43,521	404	46,868	650	1.4	3,347	247
N Atlantic	Valley	I-10	44,864	608	49,488	732	1.5	4,625	123
N Atlantic	I-10	SR 60	52,802	881	39,159	517	1.3	-13,643	-364
N Atlantic	SR 60	Whittier Boulevard	50,062	812	41,725	758	1.8	-8,337	-53
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	39,055	484	45,568	424	0.9	6,513	-60
S Los Robles	Corson Street	Huntington Drive	41,190	709	14,896	118	0.8	-26,294	-592
Eagle Rock	Colorado Boulevard	Cypress Avenue	53,566	334	25,059	257	1.0	-28,508	-77
Cypress	N. Figueroa Street	Eagle Rock Boulevard	17,969	213	19,123	325	1.7	1,155	111
N Figueroa	York Boulevard	I-5	26,657	316	24,159	527	2.2	-2,497	210
York	Eagle Rock Boulevard	N. Figueroa Street	23,919	426	18,571	138	0.7	-5,349	-288

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
N Mission Rd	Huntington Drive	Marengo Street	26,610	1,018	19,114	373	1.9	-7,496	-646
Foothill Blvd	Rosemont Avenue	SR 2	18,337	130	16,054	102	0.6	-2,282	-27
Foothill Blvd	SR 2	Angeles Crest Highway	20,829	436	12,510	76	0.6	-8,320	-359
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	15,201	103	10,549	110	1.0	-4,653	7
AngelesCrest	SR 2	Angeles Forest Highway	9,880	59	33,696	2,204	6.5	23,815	2,145
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	7,230	74	6,441	10	0.2	-789	-64
Chevy Chase	Descano Drive	Highland Drive	33,584	1,571	1,411	6	0.4	-32,173	-1,566
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	6,328	10	3,724	22	0.6	-2,603	11

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 13: 2025 Dual Bore with Tolls Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	27,546	256,077	27,269	10.6	-1,890	-277
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	32,662	281,675	30,573	10.9	-8,372	-2,089
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	33,332	319,471	31,198	9.8	-9,856	-2,134
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	33,677	349,241	31,600	9.0	-6,668	-2,077
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	19,187	262,282	18,509	7.1	4,097	-678
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	871	77,111	5,639	7.3	26,471	4,768
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	17,272	203,049	21,841	10.8	34,998	4,569
I-210	Lincoln Avenue	SR 2	160,165	17,119	188,314	21,521	11.4	28,148	4,402
I-210	SR 2	La Crescenta Avenue	159,064	17,973	177,187	21,215	12.0	18,123	3,242
SR 2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	95,158	5,769	77,943	3,318	4.3	-17,215	-2,451
SR 2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	117,971	7,849	94,535	4,546	4.8	-23,435	-3,303
SR 2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	183,102	11,106	161,711	7,321	4.5	-21,391	-3,785
SR 2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	68,976	3,642	63,834	2,550	4.0	-5,142	-1,092
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	252,428	24,442	253,540	22,778	9.0	1,112	-1,664
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	286,330	29,232	279,070	25,910	9.3	-7,260	-3,323
I-5	I-5 and SR 110 Interchange	I-5 and SR 110 Interchange	247,260	29,592	240,402	26,377	11.0	-6,858	-3,215

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
	North Termini	South Termini							
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	301,114	31,327	285,909	27,290	9.5	-15,206	-4,036
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	230,815	22,186	223,985	24,145	10.8	-6,830	1,958
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	286,860	24,010	284,827	27,056	9.5	-2,033	3,046
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	17,145	252,216	16,390	6.5	-2,238	-754
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	18,101	287,265	19,217	6.7	7,676	1,116
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	18,037	287,773	19,278	6.7	6,104	1,242
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	16,141	236,234	17,681	7.5	7,249	1,540
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,640	871	77,111	5,639	7.3	26,471	4,768
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	0	0	153,574	10,231	6.7	153,574	10,231
SR 710	SR 710 North Portal	SR 710 South portal	0	0	167,830	10,785	6.4	167,830	10,785
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	0	0	181,783	11,359	6.2	181,783	11,359
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	75,121	2,989	154,821	9,363	6.0	79,700	6,374
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	161,752	11,732	194,156	12,053	6.2	32,404	321
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	6,597	188,133	6,463	3.4	5,539	-133
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	304,228	19,072	300,224	12,807	4.3	-4,005	-6,265

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	236,993	11,099	234,619	10,620	4.5	-2,374	-479
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	291,381	13,095	293,532	13,179	4.5	2,151	84
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	32,840	2,305	33,101	2,205	6.7	262	-100
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	152,819	17,634	147,653	16,953	11.5	-5,166	-681
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	183,380	19,198	178,805	18,587	10.4	-4,575	-611
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	208,868	23,936	204,682	22,774	11.1	-4,186	-1,163
SR110	Glenarm Street	S Avenue 52	98,487	0	91,068	0	0.0	-7,419	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	149,192	0	140,754	0	0.0	-8,438	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	127,874	0	125,909	0	0.0	-1,965	0
Colorado	S. Verdugo Road	N. Figueroa Street	16,991	0	27,850	291	1.0	10,858	291
Colorado	N. Figueroa Street	N. Lake Avenue	24,669	0	11,967	166	1.4	-12,702	166
Colorado	N. Lake Avenue	N. Hill Avenue	25,216	258	6,041	0	0.0	-19,175	-258
Colorado	N. Hill Avenue	San Gabriel Boulevard	9,889	147	7,367	37	0.5	-2,522	-110
Colorado	San Gabriel Boulevard	Rosemead Boulevard	7,654	0	5,645	40	0.7	-2,010	40
Colorado	Rosemead Boulevard	Huntington Drive	9,704	56	10,721	83	0.8	1,016	27
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	8,350	52	19,761	325	1.6	11,411	273
Huntington	Santa Anita Avenue	Rosemead Boulevard	13,168	123	39,226	613	1.6	26,058	490
Huntington	Rosemead Boulevard	San Gabriel Boulevard	20,279	340	51,488	1,035	2.0	31,208	695
Huntington	San Gabriel Boulevard	Garfield Avenue	39,064	690	53,637	640	1.2	14,573	-50
Huntington	Garfield Avenue	Fremont Avenue	48,855	1,105	44,363	700	1.6	-4,492	-405

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Fremont Avenue	Eastern Avenue	53,823	670	45,480	794	1.7	-8,344	124
Huntington	Eastern Avenue	N. Mission Road	48,720	757	36,719	592	1.6	-12,001	-166
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	58,199	988	37,664	407	1.1	-20,535	-580
E Live Oak	Commerce Drive (East of I-605)	Peck Road	41,967	658	37,034	1,006	2.7	-4,933	348
E Live Oak	Peck Road	Santa Anita Avenue	40,236	403	23,244	315	1.4	-16,991	-88
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	37,736	1,011	18,381	189	1.0	-19,355	-821
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	23,912	343	23,452	204	0.9	-459	-140
Las Tunas Dr	Garfield Avenue	Palm Avenue	18,641	223	17,655	157	0.9	-986	-66
Las Tunas Dr	Palm Avenue	Huntington Drive	24,239	227	16,284	240	1.5	-7,954	13
Valley	I-605	Santa Anita Avenue	21,071	190	38,801	589	1.5	17,730	399
Valley	Santa Anita Avenue	Rosemead Boulevard	23,045	341	28,805	330	1.1	5,760	-11
Valley	Rosemead Boulevard	San Gabriel Boulevard	39,207	593	25,505	202	0.8	-13,702	-391
Valley	San Gabriel Boulevard	Garfield Avenue	31,365	352	20,167	125	0.6	-11,199	-226
Valley	Garfield Avenue	Atlantic Boulevard	25,042	195	13,974	103	0.7	-11,068	-92
Valley	Atlantic Boulevard	Fremont Avenue	18,794	126	14,933	100	0.7	-3,861	-25
Valley	Fremont Avenue	SR 710 Ramp	11,451	75	30,891	980	3.2	19,440	905
Valley	SR 710 Ramp	N. Mission Road	12,935	169	8,526	108	1.3	-4,408	-62
Myrtle Ave	Colorado Boulevard	I-210	50,948	1,503	15,327	311	2.0	-35,621	-1,192
Myrtle Ave	I-210	Live Oak Avenue	15,190	468	30,715	606	2.0	15,525	138
Peck Rd	Live Oak Avenue	Valley Boulevard	16,004	252	25,203	393	1.6	9,199	141
Peck Rd	Valley Boulevard	Garvey Avenue	32,402	639	40,004	438	1.1	7,603	-201
Santa Anita	Colorado Boulevard	Las Tunas Drive	27,806	447	23,931	328	1.4	-3,875	-119
Santa Anita	Las Tunas Drive	Valley Boulevard	40,261	433	27,419	396	1.4	-12,843	-37
Santa Anita	Valley Boulevard	Garvey Avenue	25,794	419	37,878	1,221	3.2	12,084	801

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Rosemead	Orange Grove Boulevard	Huntington Drive	28,856	465	30,603	456	1.5	1,747	-9
Rosemead	Huntington Drive	Las Tunas Drive	41,017	1,274	31,314	594	1.9	-9,702	-680
Rosemead	Las Tunas Drive	Valley Boulevard	33,400	479	46,419	812	1.7	13,019	334
Rosemead	Valley Boulevard	Garvey Avenue	35,427	662	65,880	1,410	2.1	30,453	748
San Gabriel	I-210	Huntington Drive	44,948	754	27,180	612	2.3	-17,768	-142
San Gabriel	Huntington Drive	Las Tunas Drive	64,781	1,217	39,866	571	1.4	-24,914	-646
San Gabriel	Las Tunas Drive	Valley Boulevard	32,076	830	34,991	479	1.4	2,915	-350
San Gabriel	Valley Boulevard	Garvey Avenue	44,656	693	31,926	493	1.5	-12,731	-201
Fremont	Valley Boulevard	Huntington Drive	39,968	593	37,502	1,191	3.2	-2,467	598
Fremont	Huntington Drive	Garfield Avenue	35,429	545	23,372	511	2.2	-12,057	-34
Fremont	Garfield Avenue	Columbia Street	49,712	1,357	17,910	421	2.3	-31,802	-936
Garfield	Fremont Avenue	Huntington Drive	25,127	527	12,182	19	0.2	-12,945	-508
Garfield	Huntington Drive	W. Main Street	23,740	558	42,669	346	0.8	18,929	-212
Garfield	W. Main Street	Valley Boulevard	12,203	39	39,533	394	1.0	27,330	355
N Atlantic	Huntington Drive	Main Street	46,985	404	36,135	501	1.4	-10,850	97
N Atlantic	Main Street	Valley Boulevard	43,521	404	47,437	769	1.6	3,916	365
N Atlantic	Valley	I-10	44,864	608	49,785	817	1.6	4,921	209
N Atlantic	I-10	SR 60	52,802	881	39,133	521	1.3	-13,670	-361
N Atlantic	SR 60	Whittier Boulevard	50,062	812	41,675	767	1.8	-8,387	-44
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	39,055	484	46,357	472	1.0	7,302	-12
S Los Robles	Corson Street	Huntington Drive	41,190	709	15,100	161	1.1	-26,090	-549
Eagle Rock	Colorado Boulevard	Cypress Avenue	53,566	334	25,314	276	1.1	-28,253	-58
Cypress	N. Figueroa Street	Eagle Rock Boulevard	17,969	213	19,971	367	1.8	2,002	154
N Figueroa	York Boulevard	I-5	26,657	316	24,470	745	3.0	-2,187	428
York	Eagle Rock Boulevard	N. Figueroa Street	23,919	426	18,668	138	0.7	-5,251	-288

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
N Mission Rd	Huntington Drive	Marengo Street	26,610	1,018	19,326	431	2.2	-7,284	-587
Foothill Blvd	Rosemont Avenue	SR 2	18,337	130	15,997	105	0.7	-2,340	-25
Foothill Blvd	SR 2	Angeles Crest Highway	20,829	436	12,417	69	0.6	-8,412	-367
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	15,201	103	9,960	95	0.9	-5,241	-9
Angeles Crest	SR 2	Angeles Forest Highway	9,880	59	33,855	1,747	5.2	23,975	1,689
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	7,230	74	6,339	11	0.2	-891	-62
Chevy Chase	Descano Drive	Highland Drive	33,584	1,571	1,411	6	0.4	-32,173	-1,566
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	6,328	10	3,820	16	0.4	-2,508	6

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 14: 2025 Single Bore with Tolls Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	27,546	256,951	27,256	10.6	-1,017	-290
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	32,662	285,314	30,831	10.8	-4,733	-1,831
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	33,332	324,179	31,447	9.7	-5,147	-1,885
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	33,677	353,125	31,867	9.0	-2,785	-1,810
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	19,187	263,566	18,637	7.1	5,381	-550
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	871	67,641	7,394	10.9	17,001	6,523
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	17,272	187,378	22,086	11.8	19,327	4,813
I-210	Lincoln Avenue	SR 2	160,165	17,119	177,642	21,732	12.2	17,476	4,613
I-210	SR 2	La Crescenta Avenue	159,064	17,973	168,909	21,507	12.7	9,845	3,534
SR 2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	95,158	5,769	81,759	3,697	4.5	-13,399	-2,072
SR 2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	117,971	7,849	101,057	5,034	5.0	-16,914	-2,816
SR 2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	183,102	11,106	170,683	7,810	4.6	-12,419	-3,296
SR 2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	68,976	3,642	66,114	2,700	4.1	-2,861	-942
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	252,428	24,442	253,864	21,789	8.6	1,436	-2,653
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	286,330	29,232	282,545	24,825	8.8	-3,785	-4,407
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	247,260	29,592	243,918	25,347	10.4	-3,342	-4,244

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I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	301,114	31,327	293,615	26,355	9.0	-7,499	-4,972
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	230,815	22,186	226,119	21,702	9.6	-4,696	-484
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	286,860	24,010	284,448	24,218	8.5	-2,412	209
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	17,145	256,557	16,527	6.4	2,103	-618
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	18,101	280,773	19,378	6.9	1,184	1,278
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	18,037	283,621	19,402	6.8	1,951	1,365
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	16,141	231,078	17,754	7.7	2,094	1,613
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,640	871	67,641	7,394	10.9	17,001	6,523
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	38,402	728	85,346	9,940	11.6	46,944	9,212
SR 710	SR 710 North Portal	SR 710 South portal	0	0	88,846	10,318	11.6	88,846	10,318
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	59,217	1,956	105,548	10,890	10.3	46,331	8,934
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	75,121	2,989	125,801	11,320	9.0	50,680	8,331
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	161,752	11,732	181,479	14,503	8.0	19,727	2,771
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	6,597	184,452	6,459	3.5	1,858	-138
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	304,228	19,072	301,626	14,534	4.8	-2,603	-4,538
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	236,993	11,099	237,100	10,769	4.5	106	-330
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	291,381	13,095	290,594	13,077	4.5	-788	-18
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	32,840	2,305	33,120	2,224	6.7	280	-81

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I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	152,819	17,634	150,296	17,320	11.5	-2,523	-315
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	183,380	19,198	181,174	18,972	10.5	-2,206	-226
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	208,868	23,936	205,793	23,018	11.2	-3,075	-918
SR110	Glenarm Street	S Avenue 52	98,487	0	96,245	0	0.0	-2,241	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	149,192	0	146,024	0	0.0	-3,168	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	127,874	0	127,638	0	0.0	-235	0
Colorado	S. Verdugo Road	N. Figueroa Street	16,991	0	26,388	278	1.1	9,397	278
Colorado	N. Figueroa Street	N. Lake Avenue	24,669	0	11,526	168	1.5	-13,143	168
Colorado	N. Lake Avenue	N. Hill Avenue	25,216	258	6,519	0	0.0	-18,697	-258
Colorado	N. Hill Avenue	San Gabriel Boulevard	9,889	147	8,110	41	0.5	-1,779	-106
Colorado	San Gabriel Boulevard	Rosemead Boulevard	7,654	0	6,564	43	0.7	-1,090	43
Colorado	Rosemead Boulevard	Huntington Drive	9,704	56	11,171	96	0.9	1,466	40
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	8,350	52	19,878	333	1.7	11,528	281
Huntington	Santa Anita Avenue	Rosemead Boulevard	13,168	123	40,054	654	1.6	26,886	531
Huntington	Rosemead Boulevard	San Gabriel Boulevard	20,279	340	52,049	1,053	2.0	31,769	713
Huntington	San Gabriel Boulevard	Garfield Avenue	39,064	690	55,938	631	1.1	16,874	-59
Huntington	Garfield Avenue	Fremont Avenue	48,855	1,105	46,539	733	1.6	-2,316	-372
Huntington	Fremont Avenue	Eastern Avenue	53,823	670	50,493	828	1.6	-3,330	158
Huntington	Eastern Avenue	N. Mission Road	48,720	757	39,102	560	1.4	-9,618	-197
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	58,199	988	38,449	404	1.1	-19,750	-584
E Live Oak	Commerce Drive (East of I-605)	Peck Road	41,967	658	37,297	1,001	2.7	-4,670	343
E Live Oak	Peck Road	Santa Anita Avenue	40,236	403	23,402	322	1.4	-16,833	-81
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	37,736	1,011	18,229	199	1.1	-19,508	-812
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	23,912	343	23,484	205	0.9	-428	-138

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Las Tunas Dr	Garfield Avenue	Palm Avenue	18,641	223	18,523	161	0.9	-118	-62
Las Tunas Dr	Palm Avenue	Huntington Drive	24,239	227	18,142	262	1.4	-6,096	35
Valley	I-605	Santa Anita Avenue	21,071	190	38,717	587	1.5	17,646	397
Valley	Santa Anita Avenue	Rosemead Boulevard	23,045	341	29,078	329	1.1	6,033	-12
Valley	Rosemead Boulevard	San Gabriel Boulevard	39,207	593	25,130	202	0.8	-14,077	-391
Valley	San Gabriel Boulevard	Garfield Avenue	31,365	352	19,783	119	0.6	-11,583	-233
Valley	Garfield Avenue	Atlantic Boulevard	25,042	195	13,153	92	0.7	-11,890	-103
Valley	Atlantic Boulevard	Fremont Avenue	18,794	126	14,325	99	0.7	-4,469	-26
Valley	Fremont Avenue	SR 710 Ramp	11,451	75	34,895	959	2.7	23,443	885
Valley	SR 710 Ramp	N. Mission Road	12,935	169	9,176	171	1.9	-3,759	1
Myrtle Ave	Colorado Boulevard	I-210	50,948	1,503	15,833	298	1.9	-35,114	-1,205
Myrtle Ave	I-210	Live Oak Avenue	15,190	468	31,609	616	1.9	16,419	148
Peck Rd	Live Oak Avenue	Valley Boulevard	16,004	252	26,486	425	1.6	10,481	173
Peck Rd	Valley Boulevard	Garvey Avenue	32,402	639	39,986	437	1.1	7,585	-202
Santa Anita	Colorado Boulevard	Las Tunas Drive	27,806	447	25,035	357	1.4	-2,771	-91
Santa Anita	Las Tunas Drive	Valley Boulevard	40,261	433	27,968	421	1.5	-12,294	-12
Santa Anita	Valley Boulevard	Garvey Avenue	25,794	419	38,843	1,235	3.2	13,049	816
Rosemead	Orange Grove Boulevard	Huntington Drive	28,856	465	32,277	412	1.3	3,421	-54
Rosemead	Huntington Drive	Las Tunas Drive	41,017	1,274	33,745	577	1.7	-7,272	-697
Rosemead	Las Tunas Drive	Valley Boulevard	33,400	479	48,845	770	1.6	15,445	291
Rosemead	Valley Boulevard	Garvey Avenue	35,427	662	67,926	1,303	1.9	32,500	641
San Gabriel	I-210	Huntington Drive	44,948	754	29,722	627	2.1	-15,226	-127
San Gabriel	Huntington Drive	Las Tunas Drive	64,781	1,217	42,020	571	1.4	-22,761	-646
San Gabriel	Las Tunas Drive	Valley Boulevard	32,076	830	36,715	484	1.3	4,639	-346
San Gabriel	Valley Boulevard	Garvey Avenue	44,656	693	32,982	472	1.4	-11,674	-221
Fremont	Valley Boulevard	Huntington Drive	39,968	593	41,611	1,153	2.8	1,643	560
Fremont	Huntington Drive	Garfield Avenue	35,429	545	24,878	388	1.6	-10,551	-157
Fremont	Garfield Avenue	Columbia Street	49,712	1,357	19,610	377	1.9	-30,101	-981
Garfield	Fremont Avenue	Huntington Drive	25,127	527	12,430	20	0.2	-12,697	-507

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Garfield	Huntington Drive	W. Main Street	23,740	558	44,573	340	0.8	20,833	-219
Garfield	W. Main Street	Valley Boulevard	12,203	39	41,435	369	0.9	29,233	329
N Atlantic	Huntington Drive	Main Street	46,985	404	39,826	522	1.3	-7,159	118
N Atlantic	Main Street	Valley Boulevard	43,521	404	49,807	778	1.6	6,286	374
N Atlantic	Valley	I-10	44,864	608	51,132	825	1.6	6,269	217
N Atlantic	I-10	SR 60	52,802	881	38,773	498	1.3	-14,029	-383
N Atlantic	SR 60	Whittier Boulevard	50,062	812	41,387	756	1.8	-8,675	-56
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	39,055	484	49,730	412	0.8	10,674	-72
S Los Robles	Corson Street	Huntington Drive	41,190	709	16,416	156	1.0	-24,774	-553
Eagle Rock	Colorado Boulevard	Cypress Avenue	53,566	334	26,411	285	1.1	-27,155	-49
Cypress	N. Figueroa Street	Eagle Rock Boulevard	17,969	213	21,985	378	1.7	4,017	164
N Figueroa	York Boulevard	I-5	26,657	316	25,702	793	3.1	-955	476
York	Eagle Rock Boulevard	N. Figueroa Street	23,919	426	18,701	139	0.7	-5,219	-288
N Mission Rd	Huntington Drive	Marengo Street	26,610	1,018	20,278	418	2.1	-6,332	-600
Foothill Blvd	Rosemont Avenue	SR 2	18,337	130	15,424	103	0.7	-2,913	-27
Foothill Blvd	SR 2	Angeles Crest Highway	20,829	436	11,155	68	0.6	-9,674	-368
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	15,201	103	8,423	89	1.1	-6,779	-14
Angeles Crest	SR 2	Angeles Forest Highway	9,880	59	34,003	1,828	5.4	24,122	1,769
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	7,230	74	6,304	11	0.2	-926	-62
Chevy Chase	Descano Drive	Highland Drive	33,584	1,571	1,350	5	0.4	-32,234	-1,566
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	6,328	10	3,091	14	0.4	-3,237	3

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 15: 2025 Single Bore with Tolls and Express Bus Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	27,546	257,150	27,270	10.6	-818	-276
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	32,662	285,597	30,912	10.8	-4,451	-1,750
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	33,332	323,989	31,549	9.7	-5,337	-1,783
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	33,677	352,904	31,973	9.1	-3,006	-1,703
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	19,187	263,183	18,690	7.1	4,998	-497
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	871	65,844	7,314	11.1	15,205	6,443
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	17,272	186,703	22,105	11.8	18,652	4,833
I-210	Lincoln Avenue	SR 2	160,165	17,119	177,118	21,774	12.3	16,952	4,655
I-210	SR 2	La Crescenta Avenue	159,064	17,973	168,346	21,649	12.9	9,282	3,676
SR 2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	95,158	5,769	82,210	3,810	4.6	-12,948	-1,959
SR 2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	117,971	7,849	101,667	5,180	5.1	-16,304	-2,669
SR 2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	183,102	11,106	171,144	7,974	4.7	-11,959	-3,132
SR 2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	68,976	3,642	65,934	2,611	4.0	-3,042	-1,031
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	252,428	24,442	254,886	21,450	8.4	2,459	-2,992
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	286,330	29,232	284,540	24,753	8.7	-1,790	-4,479

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	247,260	29,592	245,053	25,112	10.2	-2,207	-4,480
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	301,114	31,327	295,802	26,100	8.8	-5,313	-5,226
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	230,815	22,186	227,697	21,645	9.5	-3,119	-541
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	286,860	24,010	285,671	24,080	8.4	-1,189	70
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	17,145	255,709	16,582	6.5	1,254	-562
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	18,101	279,550	19,704	7.0	-38	1,603
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	18,037	282,703	19,738	7.0	1,034	1,701
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	16,141	230,517	18,072	7.8	1,532	1,931
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,640	871	65,844	7,314	11.1	15,205	6,443
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	38,402	728	82,718	10,093	12.2	44,316	9,365
SR 710	SR 710 North Portal	SR 710 South portal	0	0	86,244	10,514	12.2	86,244	10,514
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	59,217	1,956	100,009	10,698	10.7	40,792	8,742
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	75,121	2,989	124,534	11,519	9.2	49,413	8,529
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	161,752	11,732	180,868	14,627	8.1	19,115	2,895
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	6,597	184,996	6,374	3.4	2,402	-223
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	304,228	19,072	302,343	14,401	4.8	-1,885	-4,671

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	236,993	11,099	239,211	10,937	4.6	2,217	-162
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	291,381	13,095	291,337	13,076	4.5	-45	-19
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	32,840	2,305	33,134	2,219	6.7	295	-86
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	152,819	17,634	150,259	17,344	11.5	-2,560	-290
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	183,380	19,198	181,231	19,013	10.5	-2,149	-185
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	208,868	23,936	205,980	23,103	11.2	-2,888	-834
SR110	Glenarm Street	S Avenue 52	98,487	0	96,379	0	0.0	-2,108	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	149,192	0	146,616	0	0.0	-2,575	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	127,874	0	127,896	0	0.0	23	0
Colorado	S. Verdugo Road	N. Figueroa Street	16,991	0	26,472	271	1.0	9,481	271
Colorado	N. Figueroa Street	N. Lake Avenue	24,669	0	11,431	167	1.5	-13,239	167
Colorado	N. Lake Avenue	N. Hill Avenue	25,216	258	6,489	0	0.0	-18,727	-258
Colorado	N. Hill Avenue	San Gabriel Boulevard	9,889	147	8,131	42	0.5	-1,758	-105
Colorado	San Gabriel Boulevard	Rosemead Boulevard	7,654	0	6,365	39	0.6	-1,290	39
Colorado	Rosemead Boulevard	Huntington Drive	9,704	56	11,379	100	0.9	1,674	44
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	8,350	52	19,833	333	1.7	11,483	281
Huntington	Santa Anita Avenue	Rosemead Boulevard	13,168	123	40,031	655	1.6	26,863	532
Huntington	Rosemead Boulevard	San Gabriel Boulevard	20,279	340	51,864	1,059	2.0	31,585	719
Huntington	San Gabriel Boulevard	Garfield Avenue	39,064	690	55,778	629	1.1	16,714	-60
Huntington	Garfield Avenue	Fremont Avenue	48,855	1,105	46,517	727	1.6	-2,338	-377

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Fremont Avenue	Eastern Avenue	53,823	670	50,618	841	1.7	-3,205	171
Huntington	Eastern Avenue	N. Mission Road	48,720	757	39,106	561	1.4	-9,614	-197
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	58,199	988	38,480	405	1.1	-19,719	-583
E Live Oak	Commerce Drive (East of I-605)	Peck Road	41,967	658	37,204	1,006	2.7	-4,763	348
E Live Oak	Peck Road	Santa Anita Avenue	40,236	403	23,430	323	1.4	-16,806	-80
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	37,736	1,011	18,213	200	1.1	-19,523	-811
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	23,912	343	23,440	207	0.9	-472	-136
Las Tunas Dr	Garfield Avenue	Palm Avenue	18,641	223	18,561	162	0.9	-80	-61
Las Tunas Dr	Palm Avenue	Huntington Drive	24,239	227	18,218	263	1.4	-6,020	36
Valley	I-605	Santa Anita Avenue	21,071	190	38,851	585	1.5	17,780	395
Valley	Santa Anita Avenue	Rosemead Boulevard	23,045	341	29,086	331	1.1	6,041	-10
Valley	Rosemead Boulevard	San Gabriel Boulevard	39,207	593	25,076	200	0.8	-14,131	-393
Valley	San Gabriel Boulevard	Garfield Avenue	31,365	352	19,828	140	0.7	-11,537	-211
Valley	Garfield Avenue	Atlantic Boulevard	25,042	195	13,117	88	0.7	-11,925	-107
Valley	Atlantic Boulevard	Fremont Avenue	18,794	126	14,110	96	0.7	-4,684	-29
Valley	Fremont Avenue	SR 710 Ramp	11,451	75	34,868	904	2.6	23,417	829
Valley	SR 710 Ramp	N. Mission Road	12,935	169	9,106	172	1.9	-3,829	2
Myrtle Ave	Colorado Boulevard	I-210	50,948	1,503	15,892	296	1.9	-35,056	-1,207
Myrtle Ave	I-210	Live Oak Avenue	15,190	468	31,704	624	2.0	16,514	157
Peck Rd	Live Oak Avenue	Valley Boulevard	16,004	252	26,570	427	1.6	10,565	176
Peck Rd	Valley Boulevard	Garvey Avenue	32,402	639	40,050	435	1.1	7,648	-204
Santa Anita	Colorado Boulevard	Las Tunas Drive	27,806	447	25,038	355	1.4	-2,768	-92
Santa Anita	Las Tunas Drive	Valley Boulevard	40,261	433	27,985	419	1.5	-12,277	-14
Santa Anita	Valley Boulevard	Garvey Avenue	25,794	419	38,816	1,230	3.2	13,022	810

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Rosemead	Orange Grove Boulevard	Huntington Drive	28,856	465	32,059	417	1.3	3,203	-48
Rosemead	Huntington Drive	Las Tunas Drive	41,017	1,274	33,825	594	1.8	-7,191	-680
Rosemead	Las Tunas Drive	Valley Boulevard	33,400	479	49,075	783	1.6	15,675	304
Rosemead	Valley Boulevard	Garvey Avenue	35,427	662	68,307	1,298	1.9	32,881	636
San Gabriel	I-210	Huntington Drive	44,948	754	29,782	629	2.1	-15,165	-125
San Gabriel	Huntington Drive	Las Tunas Drive	64,781	1,217	42,086	573	1.4	-22,695	-644
San Gabriel	Las Tunas Drive	Valley Boulevard	32,076	830	36,941	481	1.3	4,865	-349
San Gabriel	Valley Boulevard	Garvey Avenue	44,656	693	33,219	475	1.4	-11,437	-219
Fremont	Valley Boulevard	Huntington Drive	39,968	593	41,801	1,148	2.7	1,833	555
Fremont	Huntington Drive	Garfield Avenue	35,429	545	25,012	417	1.7	-10,417	-129
Fremont	Garfield Avenue	Columbia Street	49,712	1,357	19,688	405	2.1	-30,024	-953
Garfield	Fremont Avenue	Huntington Drive	25,127	527	12,373	25	0.2	-12,754	-503
Garfield	Huntington Drive	W. Main Street	23,740	558	44,834	340	0.8	21,094	-218
Garfield	W. Main Street	Valley Boulevard	12,203	39	41,763	380	0.9	29,560	341
N Atlantic	Huntington Drive	Main Street	46,985	404	40,110	519	1.3	-6,874	115
N Atlantic	Main Street	Valley Boulevard	43,521	404	49,924	780	1.6	6,403	376
N Atlantic	Valley	I-10	44,864	608	51,172	829	1.6	6,308	221
N Atlantic	I-10	SR 60	52,802	881	38,894	501	1.3	-13,909	-381
N Atlantic	SR 60	Whittier Boulevard	50,062	812	41,434	763	1.8	-8,628	-48
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	39,055	484	50,081	408	0.8	11,026	-76
S Los Robles	Corson Street	Huntington Drive	41,190	709	16,477	157	1.0	-24,713	-552
Eagle Rock	Colorado Boulevard	Cypress Avenue	53,566	334	26,458	280	1.1	-27,108	-54
Cypress	N. Figueroa Street	Eagle Rock Boulevard	17,969	213	21,649	362	1.7	3,681	148
N Figueroa	York Boulevard	I-5	26,657	316	25,482	793	3.1	-1,175	477
York	Eagle Rock Boulevard	N. Figueroa Street	23,919	426	18,663	138	0.7	-5,256	-288

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
N Mission Rd	Huntington Drive	Marengo Street	26,610	1,018	20,132	420	2.1	-6,478	-599
Foothill Blvd	Rosemont Avenue	SR 2	18,337	130	15,424	102	0.7	-2,913	-27
Foothill Blvd	SR 2	Angeles Crest Highway	20,829	436	11,162	67	0.6	-9,667	-369
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	15,201	103	8,333	88	1.1	-6,868	-15
Angeles Crest	SR 2	Angeles Forest Highway	9,880	59	34,062	1,757	5.2	24,182	1,698
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	7,230	74	6,196	11	0.2	-1,034	-62
Chevy Chase	Descano Drive	Highland Drive	33,584	1,571	1,327	5	0.4	-32,258	-1,566
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	6,328	10	3,049	14	0.5	-3,278	3

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 16: 2035 Dual Bore No Toll Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	31,946	254,734	31,678	12.4	-2,441	-268
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	38,555	287,035	35,457	12.4	-8,779	-3,098
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	39,350	324,819	36,097	11.1	-10,203	-3,253
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	39,629	354,544	36,608	10.3	-6,813	-3,021
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	22,591	268,722	21,763	8.1	4,780	-828
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	941	106,831	16,178	15.1	56,324	15,237
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	20,388	205,952	31,913	15.5	35,144	11,525
I-210	Lincoln Avenue	SR 2	162,521	20,231	188,728	31,231	16.5	26,207	11,000
I-210	SR 2	La Crescenta Avenue	162,495	21,655	179,941	30,334	16.9	17,446	8,680
SR2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	99,364	7,598	79,440	2,759	3.5	-19,923	-4,839
SR2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	122,388	10,166	95,836	3,620	3.8	-26,552	-6,546
SR2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	190,492	13,717	166,627	6,142	3.7	-23,865	-7,575
SR2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	62,885	3,352	58,245	2,004	3.4	-4,640	-1,348
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	248,544	25,571	252,996	21,908	8.7	4,452	-3,663
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	291,456	31,923	284,610	23,466	8.2	-6,847	-8,457

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	252,970	32,646	243,733	23,799	9.8	-9,236	-8,847
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	306,629	34,394	292,431	24,941	8.5	-14,198	-9,453
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	231,671	23,198	225,619	21,107	9.4	-6,052	-2,091
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	290,538	27,172	289,185	25,911	9.0	-1,353	-1,261
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	20,136	256,577	19,027	7.4	-1,996	-1,108
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	21,157	293,592	21,704	7.4	7,646	547
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	21,138	295,014	21,717	7.4	6,776	579
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	19,026	242,967	20,266	8.3	8,048	1,240
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,507	941	106,831	16,178	15.1	56,324	15,237
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	0	0	106,690	17,574	16.5	106,690	17,574
SR 710	SR 710 North Portal	SR 710 South portal	0	0	182,247	20,871	11.5	182,247	20,871
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	0	0	205,020	21,579	10.5	205,020	21,579
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	77,533	3,192	158,948	16,285	10.2	81,415	13,092
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	166,381	13,775	195,251	20,039	10.3	28,870	6,264
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	7,669	188,623	7,506	4.0	6,130	-164
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	311,759	22,203	306,285	15,498	5.1	-5,473	-6,705

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	240,281	13,376	234,594	12,752	5.4	-5,688	-624
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	302,894	15,822	306,739	15,952	5.2	3,845	130
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	14,872	261,883	14,840	5.7	5,501	-32
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	17,239	257,512	17,075	6.6	3,424	-164
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	33,497	2,740	34,432	2,612	7.6	935	-128
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	153,766	24,114	147,698	21,887	14.8	-6,068	-2,227
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	185,228	26,252	179,527	24,114	13.4	-5,702	-2,138
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	211,044	30,556	206,628	28,191	13.6	-4,416	-2,365
SR110	Glenarm Street	S Avenue 52	101,431	0	93,833	0	0.0	-7,598	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	154,974	0	145,865	0	0.0	-9,109	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	131,612	0	129,235	0	0.0	-2,377	0
Colorado	S. Verdugo Road	N. Figueroa Street	26,094	269	29,101	335	1.2	3,007	67
Colorado	N. Figueroa Street	N. Lake Avenue	10,345	156	12,476	144	1.2	2,131	-12
Colorado	N. Lake Avenue	N. Hill Avenue	8,782	0	6,619	0	0.0	-2,163	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	10,766	76	7,897	40	0.5	-2,869	-36
Colorado	San Gabriel Boulevard	Rosemead Boulevard	9,627	64	6,174	46	0.7	-3,453	-18
Colorado	Rosemead Boulevard	Huntington Drive	16,281	183	12,621	113	0.9	-3,660	-70
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	21,660	391	20,636	374	1.8	-1,024	-17
Huntington	Santa Anita Avenue	Rosemead Boulevard	40,766	823	40,896	673	1.6	130	-150

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Rosemead Boulevard	San Gabriel Boulevard	50,394	1,174	53,359	992	1.9	2,965	-183
Huntington	San Gabriel Boulevard	Garfield Avenue	55,824	740	55,490	553	1.0	-333	-186
Huntington	Garfield Avenue	Fremont Avenue	49,744	866	45,591	631	1.4	-4,153	-235
Huntington	Fremont Avenue	Eastern Avenue	59,511	1,128	46,540	651	1.4	-12,971	-477
Huntington	Eastern Avenue	N. Mission Road	42,645	737	37,473	485	1.3	-5,172	-252
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	40,930	449	38,816	421	1.1	-2,115	-27
E Live Oak	Commerce Drive (East of I-605)	Peck Road	36,971	1,107	36,198	1,078	3.0	-772	-29
E Live Oak	Peck Road	Santa Anita Avenue	24,229	401	23,522	359	1.5	-707	-42
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,918	272	18,590	224	1.2	-328	-48
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,440	271	23,502	234	1.0	-939	-37
Las Tunas Dr	Garfield Avenue	Palm Avenue	21,591	222	17,999	168	0.9	-3,592	-54
Las Tunas Dr	Palm Avenue	Huntington Drive	23,941	414	16,952	210	1.2	-6,990	-204
Valley	I-605	Santa Anita Avenue	40,306	622	39,964	619	1.5	-343	-3
Valley	Santa Anita Avenue	Rosemead Boulevard	32,294	406	29,775	370	1.2	-2,519	-36
Valley	Rosemead Boulevard	San Gabriel Boulevard	27,019	210	27,915	283	1.0	896	74
Valley	San Gabriel Boulevard	Garfield Avenue	20,725	133	21,400	140	0.7	676	7
Valley	Garfield Avenue	Atlantic Boulevard	11,373	80	13,678	113	0.8	2,305	34
Valley	Atlantic Boulevard	Fremont Avenue	13,685	179	16,084	126	0.8	2,399	-53
Valley	Fremont Avenue	SR 710 Ramp	52,842	1,677	30,411	741	2.4	-22,431	-936
Valley	SR 710 Ramp	N. Mission Road	16,497	559	9,160	105	1.1	-7,337	-454
Myrtle Ave	Colorado Boulevard	I-210	15,869	264	15,161	289	1.9	-707	24
Myrtle Ave	I-210	Live Oak Avenue	32,664	737	30,670	673	2.2	-1,994	-64
Peck Rd	Live Oak Avenue	Valley Boulevard	28,328	505	25,437	427	1.7	-2,891	-79
Peck Rd	Valley Boulevard	Garvey Avenue	41,349	485	41,033	500	1.2	-316	15

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Santa Anita	Colorado Boulevard	Las Tunas Drive	26,373	461	24,139	331	1.4	-2,235	-130
Santa Anita	Las Tunas Drive	Valley Boulevard	29,317	506	27,776	414	1.5	-1,541	-92
Santa Anita	Valley Boulevard	Garvey Avenue	42,010	1,415	38,883	1,333	3.4	-3,127	-82
Rosemead	Orange Grove Boulevard	Huntington Drive	34,413	514	31,093	338	1.1	-3,320	-176
Rosemead	Huntington Drive	Las Tunas Drive	35,803	730	31,057	456	1.5	-4,745	-275
Rosemead	Las Tunas Drive	Valley Boulevard	45,415	839	46,231	685	1.5	816	-154
Rosemead	Valley Boulevard	Garvey Avenue	66,999	1,422	67,685	1,381	2.0	686	-41
San Gabriel	I-210	Huntington Drive	32,612	876	27,344	531	1.9	-5,268	-345
San Gabriel	Huntington Drive	Las Tunas Drive	45,013	731	39,769	504	1.3	-5,244	-227
San Gabriel	Las Tunas Drive	Valley Boulevard	41,367	614	36,125	405	1.1	-5,242	-209
San Gabriel	Valley Boulevard	Garvey Avenue	39,943	638	36,270	535	1.5	-3,673	-103
Fremont	Valley Boulevard	Huntington Drive	50,265	1,431	36,989	861	2.3	-13,276	-570
Fremont	Huntington Drive	Garfield Avenue	25,638	555	23,185	354	1.5	-2,454	-201
Fremont	Garfield Avenue	Columbia Street	24,052	608	17,689	314	1.8	-6,364	-294
Garfield	Fremont Avenue	Huntington Drive	12,429	37	12,376	18	0.1	-53	-18
Garfield	Huntington Drive	W. Main Street	47,543	437	42,621	332	0.8	-4,923	-104
Garfield	W. Main Street	Valley Boulevard	43,893	441	39,392	376	1.0	-4,502	-64
N Atlantic	Huntington Drive	Main Street	45,634	654	36,089	389	1.1	-9,544	-264
N Atlantic	Main Street	Valley Boulevard	53,439	917	47,397	686	1.4	-6,042	-231
N Atlantic	Valley	I-10	50,915	859	50,583	800	1.6	-333	-58
N Atlantic	I-10	SR 60	40,267	548	40,468	595	1.5	201	47
N Atlantic	SR 60	Whittier Boulevard	41,565	809	42,189	834	2.0	624	25
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	55,371	322	46,926	458	1.0	-8,445	137
S Los Robles	Corson Street	Huntington Drive	18,198	206	15,544	133	0.9	-2,653	-73
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,795	362	25,086	280	1.1	-1,709	-82

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,407	466	18,587	345	1.9	-4,821	-121
N Figueroa	York Boulevard	I-5	26,010	1,128	23,618	566	2.4	-2,392	-561
York	Eagle Rock Boulevard	N. Figueroa Street	18,380	135	18,696	147	0.8	317	11
N Mission Rd	Huntington Drive	Marengo Street	21,292	466	19,563	370	1.9	-1,730	-97
Foothill Blvd	Rosemont Avenue	SR 2	16,381	109	17,276	111	0.6	894	3
Foothill Blvd	SR 2	Angeles Crest Highway	10,394	62	13,287	88	0.7	2,892	27
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	7,621	79	11,502	154	1.3	3,882	75
Angeles Crest	SR 2	Angeles Forest Highway	33,790	1,874	33,627	2,338	7.0	-163	464
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,370	12	6,471	10	0.2	101	-2
Chevy Chase	Descano Drive	Highland Drive	1,238	4	1,397	13	0.9	159	8
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,733	11	3,678	33	0.9	945	23

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 17: 2035 Dual Bore with Tolls Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	31,946	255,392	31,790	12.4	-1,782	-157
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	38,555	288,219	36,100	12.5	-7,595	-2,455
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	39,350	325,990	36,807	11.3	-9,032	-2,543
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	39,629	355,734	37,220	10.5	-5,623	-2,409
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	22,591	268,834	21,791	8.1	4,892	-800
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	941	101,808	9,233	9.1	51,301	8,293
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	20,388	205,905	26,318	12.8	35,097	5,930
I-210	Lincoln Avenue	SR 2	162,521	20,231	189,675	25,939	13.7	27,154	5,708
I-210	SR 2	La Crescenta Avenue	162,495	21,655	180,065	25,971	14.4	17,570	4,316
SR2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	99,364	7,598	81,144	4,373	5.4	-18,220	-3,225
SR2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	122,388	10,166	98,135	5,882	6.0	-24,253	-4,284
SR2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	190,492	13,717	168,397	8,932	5.3	-22,095	-4,785
SR2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	62,885	3,352	58,575	2,251	3.8	-4,310	-1,101
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	248,544	25,571	252,595	23,879	9.5	4,051	-1,692
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	291,456	31,923	285,228	27,509	9.6	-6,228	-4,414

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	252,970	32,646	243,815	28,062	11.5	-9,154	-4,584
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	306,629	34,394	293,340	29,549	10.1	-13,289	-4,845
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	231,671	23,198	225,793	25,376	11.2	-5,878	2,178
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	290,538	27,172	289,392	29,604	10.2	-1,146	2,432
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	20,136	256,995	19,260	7.5	-1,577	-876
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	21,157	291,750	22,672	7.8	5,803	1,515
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	21,138	293,331	22,765	7.8	5,094	1,627
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	19,026	241,407	20,939	8.7	6,489	1,914
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,507	941	101,808	9,233	9.1	51,301	8,293
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	0	0	98,844	10,397	10.5	98,844	10,397
SR 710	SR 710 North Portal	SR 710 South portal	0	0	169,501	13,206	7.8	169,501	13,206
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	0	0	194,140	14,249	7.3	194,140	14,249
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	77,533	3,192	155,884	11,273	7.2	78,351	8,081
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	166,381	13,775	195,251	14,768	7.6	28,869	993
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	7,669	187,508	7,344	3.9	5,015	-325
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	311,759	22,203	306,747	15,518	5.1	-5,011	-6,686

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	240,281	13,376	235,516	12,690	5.4	-4,766	-686
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	302,894	15,822	305,459	15,903	5.2	2,565	81
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	14,872	260,709	14,903	5.7	4,327	31
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	17,239	257,034	17,081	6.6	2,946	-158
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	33,497	2,740	34,203	2,649	7.7	706	-90
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	153,766	24,114	148,675	22,552	15.2	-5,091	-1,562
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	185,228	26,252	180,360	24,757	13.7	-4,869	-1,495
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	211,044	30,556	206,970	28,942	14.0	-4,074	-1,614
SR110	Glenarm Street	S Avenue 52	101,431	0	94,806	0	0.0	-6,626	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	154,974	0	147,050	0	0.0	-7,923	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	131,612	0	130,182	0	0.0	-1,430	0
Colorado	S. Verdugo Road	N. Figueroa Street	26,094	269	28,955	335	1.2	2,861	66
Colorado	N. Figueroa Street	N. Lake Avenue	10,345	156	12,395	186	1.5	2,050	30
Colorado	N. Lake Avenue	N. Hill Avenue	8,782	0	6,683	0	0.0	-2,099	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	10,766	76	8,060	46	0.6	-2,706	-30
Colorado	San Gabriel Boulevard	Rosemead Boulevard	9,627	64	6,330	46	0.7	-3,297	-18
Colorado	Rosemead Boulevard	Huntington Drive	16,281	183	12,863	112	0.9	-3,418	-71
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	21,660	391	20,749	379	1.8	-911	-12
Huntington	Santa Anita Avenue	Rosemead Boulevard	40,766	823	41,316	705	1.7	550	-118

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Rosemead Boulevard	San Gabriel Boulevard	50,394	1,174	53,818	1,128	2.1	3,424	-47
Huntington	San Gabriel Boulevard	Garfield Avenue	55,824	740	56,224	691	1.2	400	-49
Huntington	Garfield Avenue	Fremont Avenue	49,744	866	46,139	793	1.7	-3,605	-74
Huntington	Fremont Avenue	Eastern Avenue	59,511	1,128	47,418	885	1.9	-12,093	-243
Huntington	Eastern Avenue	N. Mission Road	42,645	737	37,850	638	1.7	-4,795	-99
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	40,930	449	38,684	425	1.1	-2,247	-24
E Live Oak	Commerce Drive (East of I-605)	Peck Road	36,971	1,107	36,216	1,078	3.0	-755	-29
E Live Oak	Peck Road	Santa Anita Avenue	24,229	401	23,556	360	1.5	-673	-41
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,918	272	18,611	226	1.2	-307	-46
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,440	271	23,628	239	1.0	-813	-32
Las Tunas Dr	Garfield Avenue	Palm Avenue	21,591	222	18,126	171	0.9	-3,465	-51
Las Tunas Dr	Palm Avenue	Huntington Drive	23,941	414	17,285	267	1.5	-6,656	-148
Valley	I-605	Santa Anita Avenue	40,306	622	39,976	617	1.5	-331	-5
Valley	Santa Anita Avenue	Rosemead Boulevard	32,294	406	29,830	379	1.3	-2,464	-26
Valley	Rosemead Boulevard	San Gabriel Boulevard	27,019	210	27,903	280	1.0	884	70
Valley	San Gabriel Boulevard	Garfield Avenue	20,725	133	21,418	136	0.6	694	3
Valley	Garfield Avenue	Atlantic Boulevard	11,373	80	13,559	109	0.8	2,186	29
Valley	Atlantic Boulevard	Fremont Avenue	13,685	179	15,935	115	0.7	2,250	-63
Valley	Fremont Avenue	SR 710 Ramp	52,842	1,677	31,931	988	3.1	-20,911	-689
Valley	SR 710 Ramp	N. Mission Road	16,497	559	9,097	114	1.3	-7,400	-445
Myrtle Ave	Colorado Boulevard	I-210	15,869	264	15,358	286	1.9	-511	21
Myrtle Ave	I-210	Live Oak Avenue	32,664	737	30,888	689	2.2	-1,776	-48
Peck Rd	Live Oak Avenue	Valley Boulevard	28,328	505	25,737	436	1.7	-2,592	-69
Peck Rd	Valley Boulevard	Garvey Avenue	41,349	485	41,166	495	1.2	-183	10

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Santa Anita	Colorado Boulevard	Las Tunas Drive	26,373	461	24,362	350	1.4	-2,011	-111
Santa Anita	Las Tunas Drive	Valley Boulevard	29,317	506	27,889	423	1.5	-1,428	-83
Santa Anita	Valley Boulevard	Garvey Avenue	42,010	1,415	39,030	1,360	3.5	-2,980	-55
Rosemead	Orange Grove Boulevard	Huntington Drive	34,413	514	31,506	454	1.4	-2,907	-59
Rosemead	Huntington Drive	Las Tunas Drive	35,803	730	31,568	616	2.0	-4,234	-115
Rosemead	Las Tunas Drive	Valley Boulevard	45,415	839	46,681	848	1.8	1,266	10
Rosemead	Valley Boulevard	Garvey Avenue	66,999	1,422	68,135	1,513	2.2	1,137	91
San Gabriel	I-210	Huntington Drive	32,612	876	27,824	650	2.3	-4,789	-226
San Gabriel	Huntington Drive	Las Tunas Drive	45,013	731	40,186	602	1.5	-4,827	-129
San Gabriel	Las Tunas Drive	Valley Boulevard	41,367	614	36,422	475	1.3	-4,945	-139
San Gabriel	Valley Boulevard	Garvey Avenue	39,943	638	36,383	557	1.5	-3,559	-80
Fremont	Valley Boulevard	Huntington Drive	50,265	1,431	37,958	1,251	3.3	-12,308	-180
Fremont	Huntington Drive	Garfield Avenue	25,638	555	23,619	403	1.7	-2,019	-152
Fremont	Garfield Avenue	Columbia Street	24,052	608	18,161	343	1.9	-5,891	-266
Garfield	Fremont Avenue	Huntington Drive	12,429	37	12,491	18	0.1	61	-19
Garfield	Huntington Drive	W. Main Street	47,543	437	42,950	372	0.9	-4,594	-65
Garfield	W. Main Street	Valley Boulevard	43,893	441	39,830	408	1.0	-4,064	-32
N Atlantic	Huntington Drive	Main Street	45,634	654	36,948	522	1.4	-8,686	-132
N Atlantic	Main Street	Valley Boulevard	53,439	917	47,918	812	1.7	-5,521	-105
N Atlantic	Valley	I-10	50,915	859	50,726	895	1.8	-190	37
N Atlantic	I-10	SR 60	40,267	548	40,368	633	1.6	102	85
N Atlantic	SR 60	Whittier Boulevard	41,565	809	42,124	869	2.1	558	60
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	55,371	322	47,466	483	1.0	-7,905	161
S Los Robles	Corson Street	Huntington Drive	18,198	206	15,771	167	1.1	-2,427	-39
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,795	362	25,369	302	1.2	-1,426	-60

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,407	466	19,451	405	2.1	-3,956	-61
N Figueroa	York Boulevard	I-5	26,010	1,128	23,956	801	3.3	-2,054	-327
York	Eagle Rock Boulevard	N. Figueroa Street	18,380	135	18,767	147	0.8	388	12
N Mission Rd	Huntington Drive	Marengo Street	21,292	466	19,709	433	2.2	-1,583	-33
Foothill Blvd	Rosemont Avenue	SR 2	16,381	109	17,268	112	0.7	887	3
Foothill Blvd	SR 2	Angeles Crest Highway	10,394	62	13,251	76	0.6	2,857	14
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	7,621	79	11,015	106	1.0	3,394	28
Angeles Crest	SR 2	Angeles Forest Highway	33,790	1,874	33,945	1,972	5.8	155	97
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,370	12	6,418	12	0.2	48	0
Chevy Chase	Descano Drive	Highland Drive	1,238	4	1,383	13	0.9	145	8
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,733	11	3,639	33	0.9	906	22

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 18: 2035 Single Bore with Tolls Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	31,946	255,530	31,803	12.4	-1,645	-143
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	38,555	291,527	36,581	12.5	-4,287	-1,974
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	39,350	329,854	37,336	11.3	-5,168	-2,014
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	39,629	359,198	37,757	10.5	-2,160	-1,872
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	22,591	270,264	22,097	8.2	6,322	-494
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	941	70,026	9,016	12.9	19,519	8,076
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	20,388	188,914	26,463	14.0	18,106	6,074
I-210	Lincoln Avenue	SR 2	162,521	20,231	178,302	26,129	14.7	15,781	5,898
I-210	SR 2	La Crescenta Avenue	162,495	21,655	171,276	26,455	15.4	8,781	4,800
SR2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	99,364	7,598	85,356	5,132	6.0	-14,008	-2,466
SR2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	122,388	10,166	105,309	6,858	6.5	-17,079	-3,308
SR2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	190,492	13,717	177,773	9,905	5.6	-12,720	-3,812
SR2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	62,885	3,352	61,170	2,602	4.3	-1,715	-750
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	248,544	25,571	252,508	22,475	8.9	3,964	-3,096
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	291,456	31,923	288,811	26,530	9.2	-2,646	-5,393

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	252,970	32,646	249,628	27,401	11.0	-3,342	-5,245
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	306,629	34,394	300,998	28,546	9.5	-5,631	-5,848
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	231,671	23,198	228,218	22,845	10.0	-3,453	-353
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	290,538	27,172	288,673	26,795	9.3	-1,865	-377
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	20,136	261,631	19,594	7.5	3,058	-542
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	21,157	286,457	23,100	8.1	510	1,943
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	21,138	290,344	23,168	8.0	2,107	2,030
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	19,026	237,877	21,241	8.9	2,958	2,215
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,507	941	70,026	9,016	12.9	19,519	8,076
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	39,143	798	71,511	10,252	14.3	32,369	9,454
SR 710	SR 710 North Portal	SR 710 South portal	0	0	89,949	12,587	14.0	89,949	12,587
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	61,191	2,215	119,875	13,630	11.4	58,684	11,416
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	77,533	3,192	128,063	13,629	10.6	50,530	10,437
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	166,381	13,775	183,371	17,584	9.6	16,990	3,809
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	7,669	185,651	7,202	3.9	3,157	-467
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	311,759	22,203	308,296	17,296	5.6	-3,462	-4,907

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	240,281	13,376	238,325	12,546	5.3	-1,956	-831
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	302,894	15,822	302,261	15,796	5.2	-633	-26
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	14,872	257,666	14,761	5.7	1,284	-110
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	17,239	254,976	17,101	6.7	888	-138
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	33,497	2,740	33,933	2,641	7.8	435	-99
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	153,766	24,114	151,382	22,673	15.0	-2,384	-1,441
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	185,228	26,252	183,008	24,877	13.6	-2,220	-1,375
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	211,044	30,556	208,201	29,056	14.0	-2,843	-1,500
SR110	Glenarm Street	S Avenue 52	101,431	0	99,445	0	0.0	-1,987	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	154,974	0	151,851	0	0.0	-3,122	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	131,612	0	131,036	0	0.0	-577	0
Colorado	S. Verdugo Road	N. Figueroa Street	26,094	269	27,738	305	1.1	1,644	36
Colorado	N. Figueroa Street	N. Lake Avenue	10,345	156	12,058	184	1.5	1,713	28
Colorado	N. Lake Avenue	N. Hill Avenue	8,782	0	7,009	0	0.0	-1,773	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	10,766	76	8,916	49	0.5	-1,850	-27
Colorado	San Gabriel Boulevard	Rosemead Boulevard	9,627	64	7,531	47	0.6	-2,096	-17
Colorado	Rosemead Boulevard	Huntington Drive	16,281	183	14,167	123	0.9	-2,114	-60
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	21,660	391	21,168	386	1.8	-492	-5
Huntington	Santa Anita Avenue	Rosemead Boulevard	40,766	823	42,425	736	1.7	1,659	-87

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Rosemead Boulevard	San Gabriel Boulevard	50,394	1,174	54,317	1,115	2.1	3,923	-60
Huntington	San Gabriel Boulevard	Garfield Avenue	55,824	740	58,647	689	1.2	2,823	-50
Huntington	Garfield Avenue	Fremont Avenue	49,744	866	48,545	821	1.7	-1,199	-45
Huntington	Fremont Avenue	Eastern Avenue	59,511	1,128	52,306	932	1.8	-7,205	-196
Huntington	Eastern Avenue	N. Mission Road	42,645	737	40,095	631	1.6	-2,550	-106
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	40,930	449	39,345	422	1.1	-1,585	-26
E Live Oak	Commerce Drive (East of I-605)	Peck Road	36,971	1,107	36,512	1,066	2.9	-459	-41
E Live Oak	Peck Road	Santa Anita Avenue	24,229	401	23,738	369	1.6	-490	-33
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,918	272	18,515	243	1.3	-402	-29
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,440	271	23,643	244	1.0	-797	-27
Las Tunas Dr	Garfield Avenue	Palm Avenue	21,591	222	19,189	179	0.9	-2,402	-43
Las Tunas Dr	Palm Avenue	Huntington Drive	23,941	414	19,182	297	1.5	-4,760	-117
Valley	I-605	Santa Anita Avenue	40,306	622	40,034	620	1.5	-272	-2
Valley	Santa Anita Avenue	Rosemead Boulevard	32,294	406	30,145	375	1.2	-2,149	-31
Valley	Rosemead Boulevard	San Gabriel Boulevard	27,019	210	27,772	250	0.9	753	40
Valley	San Gabriel Boulevard	Garfield Avenue	20,725	133	21,099	139	0.7	374	6
Valley	Garfield Avenue	Atlantic Boulevard	11,373	80	13,008	94	0.7	1,634	14
Valley	Atlantic Boulevard	Fremont Avenue	13,685	179	14,832	107	0.7	1,147	-72
Valley	Fremont Avenue	SR 710 Ramp	52,842	1,677	35,917	957	2.7	-16,925	-720
Valley	SR 710 Ramp	N. Mission Road	16,497	559	9,508	189	2.0	-6,989	-370
Myrtle Ave	Colorado Boulevard	I-210	15,869	264	15,621	254	1.6	-248	-11
Myrtle Ave	I-210	Live Oak Avenue	32,664	737	31,886	700	2.2	-778	-37
Peck Rd	Live Oak Avenue	Valley Boulevard	28,328	505	26,948	473	1.8	-1,380	-33
Peck Rd	Valley Boulevard	Garvey Avenue	41,349	485	41,215	499	1.2	-134	14

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Santa Anita	Colorado Boulevard	Las Tunas Drive	26,373	461	25,430	396	1.6	-943	-65
Santa Anita	Las Tunas Drive	Valley Boulevard	29,317	506	28,526	457	1.6	-791	-49
Santa Anita	Valley Boulevard	Garvey Avenue	42,010	1,415	40,056	1,364	3.4	-1,954	-51
Rosemead	Orange Grove Boulevard	Huntington Drive	34,413	514	32,890	460	1.4	-1,523	-54
Rosemead	Huntington Drive	Las Tunas Drive	35,803	730	33,918	652	1.9	-1,884	-78
Rosemead	Las Tunas Drive	Valley Boulevard	45,415	839	49,040	872	1.8	3,626	33
Rosemead	Valley Boulevard	Garvey Avenue	66,999	1,422	70,313	1,481	2.1	3,315	59
San Gabriel	I-210	Huntington Drive	32,612	876	30,341	664	2.2	-2,272	-211
San Gabriel	Huntington Drive	Las Tunas Drive	45,013	731	42,315	603	1.4	-2,697	-128
San Gabriel	Las Tunas Drive	Valley Boulevard	41,367	614	38,342	492	1.3	-3,025	-122
San Gabriel	Valley Boulevard	Garvey Avenue	39,943	638	37,473	527	1.4	-2,469	-111
Fremont	Valley Boulevard	Huntington Drive	50,265	1,431	42,051	1,230	2.9	-8,214	-201
Fremont	Huntington Drive	Garfield Avenue	25,638	555	24,976	388	1.6	-663	-167
Fremont	Garfield Avenue	Columbia Street	24,052	608	19,789	322	1.6	-4,264	-286
Garfield	Fremont Avenue	Huntington Drive	12,429	37	12,515	20	0.2	86	-17
Garfield	Huntington Drive	W. Main Street	47,543	437	44,961	375	0.8	-2,582	-61
Garfield	W. Main Street	Valley Boulevard	43,893	441	41,823	409	1.0	-2,070	-31
N Atlantic	Huntington Drive	Main Street	45,634	654	40,804	522	1.3	-4,829	-131
N Atlantic	Main Street	Valley Boulevard	53,439	917	50,307	800	1.6	-3,131	-117
N Atlantic	Valley	I-10	50,915	859	52,287	874	1.7	1,371	15
N Atlantic	I-10	SR 60	40,267	548	40,124	567	1.4	-143	20
N Atlantic	SR 60	Whittier Boulevard	41,565	809	41,739	846	2.0	173	37
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	55,371	322	50,964	434	0.9	-4,408	112
S Los Robles	Corson Street	Huntington Drive	18,198	206	17,013	164	1.0	-1,185	-42
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,795	362	26,578	309	1.2	-217	-53

PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,407	466	21,167	377	1.8	-2,240	-88
N Figueroa	York Boulevard	I-5	26,010	1,128	25,128	855	3.4	-882	-272
York	Eagle Rock Boulevard	N. Figueroa Street	18,380	135	18,734	145	0.8	354	10
N Mission Rd	Huntington Drive	Marengo Street	21,292	466	20,478	432	2.1	-814	-34
Foothill Blvd	Rosemont Avenue	SR 2	16,381	109	16,650	108	0.6	269	-1
Foothill Blvd	SR 2	Angeles Crest Highway	10,394	62	11,908	72	0.6	1,514	10
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	7,621	79	8,984	97	1.1	1,364	18
Angeles Crest	SR 2	Angeles Forest Highway	33,790	1,874	33,755	1,982	5.9	-35	108
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,370	12	6,307	12	0.2	-63	0
Chevy Chase	Descano Drive	Highland Drive	1,238	4	1,335	12	0.9	97	8
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,733	11	3,146	24	0.8	413	14

Source: LSA Associates, Inc. and CH2MHill (June 2014).

Table 19: 2035 Single Bore with Tolls and Express Bus Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	31,946	256,228	31,972	12.5	-946	26
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	38,555	291,281	36,626	12.6	-4,533	-1,930
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	39,350	329,906	37,362	11.3	-5,116	-1,988
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	39,629	358,873	37,786	10.5	-2,485	-1,843
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	22,591	270,086	22,138	8.2	6,144	-453
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	941	70,176	9,001	12.8	19,669	8,060
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	20,388	189,208	26,439	14.0	18,400	6,051
I-210	Lincoln Avenue	SR 2	162,521	20,231	178,601	26,093	14.6	16,080	5,862
I-210	SR 2	La Crescenta Avenue	162,495	21,655	171,506	26,361	15.4	9,012	4,706
SR2	210 and SR 2	SR 2 and SR 134 Interchange North Termini	99,364	7,598	85,208	5,071	6.0	-14,156	-2,527
SR2	SR 2 and SR 134 Interchange North Termini	SR 2 and SR 134 Interchange South Termini	122,388	10,166	105,129	6,774	6.4	-17,259	-3,391
SR2	SR 2 and SR 134 Interchange South Termini	SR 2 and I-5 Interchange North Termini	190,492	13,717	177,448	9,826	5.5	-13,044	-3,891
SR2	SR 2 and I-5 Interchange North Termini	SR 2 and I-5 Interchange South Termini	62,885	3,352	60,350	2,591	4.3	-2,535	-761
I-5	I-5 and SR 2 Interchange North Termini	I-5 and SR 2 Interchange South Termini	248,544	25,571	251,972	22,643	9.0	3,428	-2,928
I-5	I-5 and SR 2 Interchange South Termini	I-5 and SR 110 Interchange North Termini	291,456	31,923	288,839	26,652	9.2	-2,618	-5,271

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-5	I-5 and SR 110 Interchange North Termini	I-5 and SR 110 Interchange South Termini	252,970	32,646	249,224	27,354	11.0	-3,746	-5,292
I-5	I-5 and SR 110 Interchange South Termini	I-5 and I-10 Interchange North Termini	306,629	34,394	300,994	28,643	9.5	-5,635	-5,751
I-5	I-5 and I-10 Interchange North Termini	I-5 and I-10 Interchange South Termini	231,671	23,198	227,722	23,238	10.2	-3,949	40
I-5	I-5 and I-10 Interchange South Termini	East Cesar Chavez Avenue Ramps	290,538	27,172	288,524	27,270	9.5	-2,015	98
SR 134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	20,136	261,625	19,642	7.5	3,052	-494
SR 134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	21,157	286,380	23,065	8.1	433	1,908
SR 134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	21,138	289,904	23,147	8.0	1,666	2,009
SR 134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	19,026	237,449	21,205	8.9	2,530	2,179
SR 710	SR 710 and I-210 Interchange Mid Point	SR 710 and I-210 Interchange South Termini	50,507	941	70,176	9,001	12.8	19,669	8,060
SR 710	SR 710 and I-210 Interchange South Termini	SR 710 North Portal	39,143	798	71,816	10,195	14.2	32,673	9,397
SR 710	SR 710 North Portal	SR 710 South portal	0	0	90,213	12,490	13.8	90,213	12,490
SR 710	SR 710 South portal	SR 710 and I-10 Interchange North Termini	61,191	2,215	120,054	13,564	11.3	58,863	11,349
SR 710	SR 710 and I-10 Interchange North Termini	SR 710 and I-10 Interchange South Termini	77,533	3,192	128,285	13,503	10.5	50,752	10,311
SR 710	SR 710 and I-10 Interchange South Termini	SR 710 and I-60 Interchange	166,381	13,775	183,988	17,171	9.3	17,606	3,396
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	7,669	185,102	7,245	3.9	2,609	-424
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR 710 Interchange west Termini	311,759	22,203	308,804	16,907	5.5	-2,954	-5,297

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-10	I-10 and SR 710 Interchange west Termini	I-10 and SR 710 Interchange east Termini	240,281	13,376	239,344	12,748	5.3	-938	-629
I-10	I-10 and SR 710 Interchange east Termini	Rosemead Boulevard	302,894	15,822	302,204	15,786	5.2	-689	-35
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	14,872	257,614	14,754	5.7	1,232	-117
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	17,239	255,102	17,143	6.7	1,014	-95
I-605	I-605 and I-210 Interchange North Termini	I-605 and I-210 Interchange South Termini	33,497	2,740	34,153	2,630	7.7	656	-109
I-605	I-605 and I-210 Interchange South Termini	Los Angeles Street	153,766	24,114	151,392	22,295	14.7	-2,374	-1,819
I-605	Los Angeles Street	I-605 and I-10 Interchange North Termini	185,228	26,252	182,906	24,472	13.4	-2,323	-1,779
I-605	I-605 and I-10 Interchange North Termini	I-605 and I-10 Interchange South Termini	211,044	30,556	208,190	28,862	13.9	-2,854	-1,694
SR110	Glenarm Street	S Avenue 52	101,431	0	99,435	0	0.0	-1,996	0
SR110	S Avenue 52	SR 110 and I-5 Interchange North Termini	154,974	0	152,043	0	0.0	-2,930	0
SR110	SR 110 and I-5 Interchange North Termini	SR 110 and I-5 Interchange South Termini	131,612	0	131,170	0	0.0	-442	0
Colorado	S. Verdugo Road	N. Figueroa Street	26,094	269	27,793	296	1.1	1,699	28
Colorado	N. Figueroa Street	N. Lake Avenue	10,345	156	12,044	180	1.5	1,699	24
Colorado	N. Lake Avenue	N. Hill Avenue	8,782	0	7,004	0	0.0	-1,778	0
Colorado	N. Hill Avenue	San Gabriel Boulevard	10,766	76	8,970	49	0.5	-1,796	-27
Colorado	San Gabriel Boulevard	Rosemead Boulevard	9,627	64	7,674	53	0.7	-1,953	-11
Colorado	Rosemead Boulevard	Huntington Drive	16,281	183	14,059	127	0.9	-2,222	-55
Huntington	Crestfield Drive (East of I-605)	Santa Anita Avenue	21,660	391	21,208	382	1.8	-452	-9
Huntington	Santa Anita Avenue	Rosemead Boulevard	40,766	823	42,368	727	1.7	1,602	-97

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Huntington	Rosemead Boulevard	San Gabriel Boulevard	50,394	1,174	54,357	1,116	2.1	3,964	-58
Huntington	San Gabriel Boulevard	Garfield Avenue	55,824	740	58,628	690	1.2	2,805	-49
Huntington	Garfield Avenue	Fremont Avenue	49,744	866	48,522	819	1.7	-1,222	-48
Huntington	Fremont Avenue	Eastern Avenue	59,511	1,128	52,392	923	1.8	-7,119	-205
Huntington	Eastern Avenue	N. Mission Road	42,645	737	40,097	616	1.5	-2,548	-121
N. Broadway	Huntington Drive/N. Mission Road	Avenue 20/San Fernando Road	40,930	449	39,537	434	1.1	-1,393	-15
E Live Oak	Commerce Drive (East of I-605)	Peck Road	36,971	1,107	36,468	1,059	2.9	-503	-48
E Live Oak	Peck Road	Santa Anita Avenue	24,229	401	23,749	368	1.6	-480	-33
Las Tunas Dr	Santa Anita Avenue	Rosemead Boulevard	18,918	272	18,506	239	1.3	-412	-33
Las Tunas Dr	Rosemead Boulevard	Garfield Avenue	24,440	271	23,711	243	1.0	-730	-28
Las Tunas Dr	Garfield Avenue	Palm Avenue	21,591	222	19,264	178	0.9	-2,327	-43
Las Tunas Dr	Palm Avenue	Huntington Drive	23,941	414	19,364	292	1.5	-4,577	-123
Valley	I-605	Santa Anita Avenue	40,306	622	39,959	622	1.6	-347	0
Valley	Santa Anita Avenue	Rosemead Boulevard	32,294	406	30,095	376	1.2	-2,199	-30
Valley	Rosemead Boulevard	San Gabriel Boulevard	27,019	210	27,661	249	0.9	642	39
Valley	San Gabriel Boulevard	Garfield Avenue	20,725	133	21,069	137	0.6	345	4
Valley	Garfield Avenue	Atlantic Boulevard	11,373	80	13,011	93	0.7	1,637	13
Valley	Atlantic Boulevard	Fremont Avenue	13,685	179	14,796	107	0.7	1,111	-72
Valley	Fremont Avenue	SR 710 Ramp	52,842	1,677	35,826	964	2.7	-17,016	-713
Valley	SR 710 Ramp	N. Mission Road	16,497	559	9,558	193	2.0	-6,938	-366
Myrtle Ave	Colorado Boulevard	I-210	15,869	264	15,639	256	1.6	-230	-8
Myrtle Ave	I-210	Live Oak Avenue	32,664	737	31,858	705	2.2	-806	-32
Peck Rd	Live Oak Avenue	Valley Boulevard	28,328	505	26,967	475	1.8	-1,361	-31
Peck Rd	Valley Boulevard	Garvey Avenue	41,349	485	41,276	498	1.2	-73	12

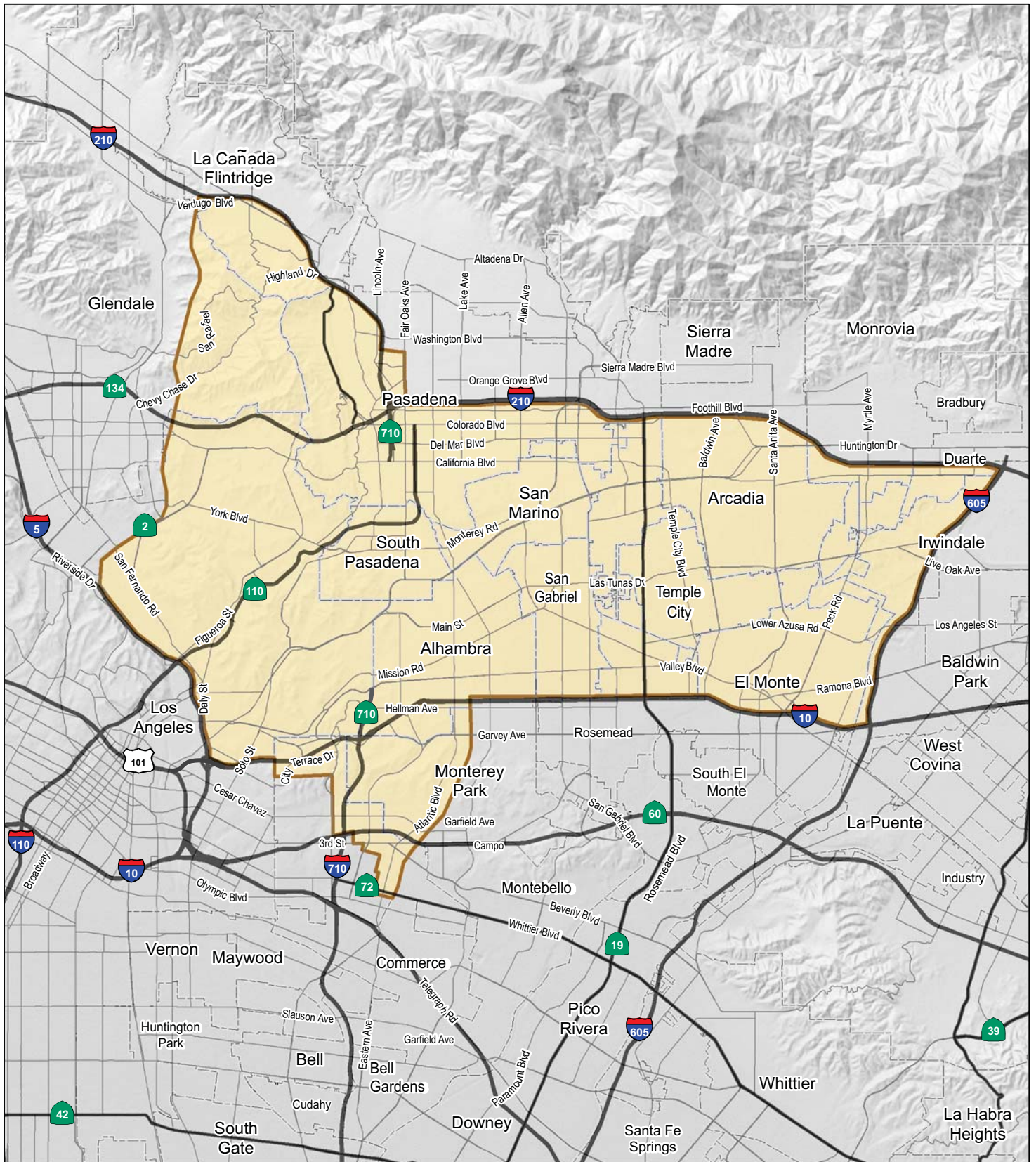
PM Conformity Hot Spot Analysis – Project Summary for Interagency Consultation

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Santa Anita	Colorado Boulevard	Las Tunas Drive	26,373	461	25,362	394	1.6	-1,012	-67
Santa Anita	Las Tunas Drive	Valley Boulevard	29,317	506	28,505	453	1.6	-813	-53
Santa Anita	Valley Boulevard	Garvey Avenue	42,010	1,415	40,078	1,364	3.4	-1,932	-50
Rosemead	Orange Grove Boulevard	Huntington Drive	34,413	514	32,973	462	1.4	-1,440	-52
Rosemead	Huntington Drive	Las Tunas Drive	35,803	730	34,033	646	1.9	-1,770	-84
Rosemead	Las Tunas Drive	Valley Boulevard	45,415	839	49,092	867	1.8	3,677	28
Rosemead	Valley Boulevard	Garvey Avenue	66,999	1,422	70,375	1,475	2.1	3,377	53
San Gabriel	I-210	Huntington Drive	32,612	876	30,293	664	2.2	-2,319	-211
San Gabriel	Huntington Drive	Las Tunas Drive	45,013	731	42,300	599	1.4	-2,713	-132
San Gabriel	Las Tunas Drive	Valley Boulevard	41,367	614	38,314	493	1.3	-3,054	-121
San Gabriel	Valley Boulevard	Garvey Avenue	39,943	638	37,476	522	1.4	-2,467	-115
Fremont	Valley Boulevard	Huntington Drive	50,265	1,431	41,998	1,235	2.9	-8,267	-196
Fremont	Huntington Drive	Garfield Avenue	25,638	555	25,119	387	1.5	-519	-168
Fremont	Garfield Avenue	Columbia Street	24,052	608	19,757	360	1.8	-4,295	-249
Garfield	Fremont Avenue	Huntington Drive	12,429	37	12,645	21	0.2	216	-16
Garfield	Huntington Drive	W. Main Street	47,543	437	45,099	374	0.8	-2,445	-63
Garfield	W. Main Street	Valley Boulevard	43,893	441	41,806	401	1.0	-2,087	-40
N Atlantic	Huntington Drive	Main Street	45,634	654	40,717	528	1.3	-4,917	-125
N Atlantic	Main Street	Valley Boulevard	53,439	917	50,340	808	1.6	-3,099	-109
N Atlantic	Valley	I-10	50,915	859	52,210	879	1.7	1,295	21
N Atlantic	I-10	SR 60	40,267	548	40,117	567	1.4	-150	19
N Atlantic	SR 60	Whittier Boulevard	41,565	809	41,812	846	2.0	246	37
S Arroyo Pkwy	Colorado Boulevard	Glenarm Street	55,371	322	50,798	427	0.8	-4,573	105
S Los Robles	Corson Street	Huntington Drive	18,198	206	16,992	168	1.0	-1,206	-38
Eagle Rock	Colorado Boulevard	Cypress Avenue	26,795	362	26,567	306	1.2	-228	-55

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Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
Cypress	N. Figueroa Street	Eagle Rock Boulevard	23,407	466	21,300	373	1.8	-2,107	-92
N Figueroa	York Boulevard	I-5	26,010	1,128	25,002	836	3.3	-1,009	-291
York	Eagle Rock Boulevard	N. Figueroa Street	18,380	135	18,740	145	0.8	360	10
N Mission Rd	Huntington Drive	Marengo Street	21,292	466	20,543	441	2.1	-749	-26
Foothill Blvd	Rosemont Avenue	SR 2	16,381	109	16,639	108	0.6	257	-1
Foothill Blvd	SR 2	Angeles Crest Highway	10,394	62	11,859	71	0.6	1,465	9
Foothill Blvd	Angeles Crest Highway	Oak Grove Drive	7,621	79	8,983	96	1.1	1,362	17
Angeles Crest	SR 2	Angeles Forest Highway	33,790	1,874	33,763	2,028	6.0	-27	153
Descano Dr	Verdugo Boulevard	Chevy Chase Drive	6,370	12	6,311	12	0.2	-59	0
Chevy Chase	Descano Drive	Highland Drive	1,238	4	1,340	12	0.9	102	8
Highland Dr	Chevy Chase Drive	Linda Vista Avenue/I-210 Freeway Overpass	2,733	11	3,140	26	0.8	407	16

Source: LSA Associates, Inc. and CH2MHill (June 2014).




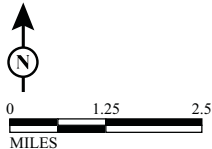
LEGEND
 SR 710 North Study Area

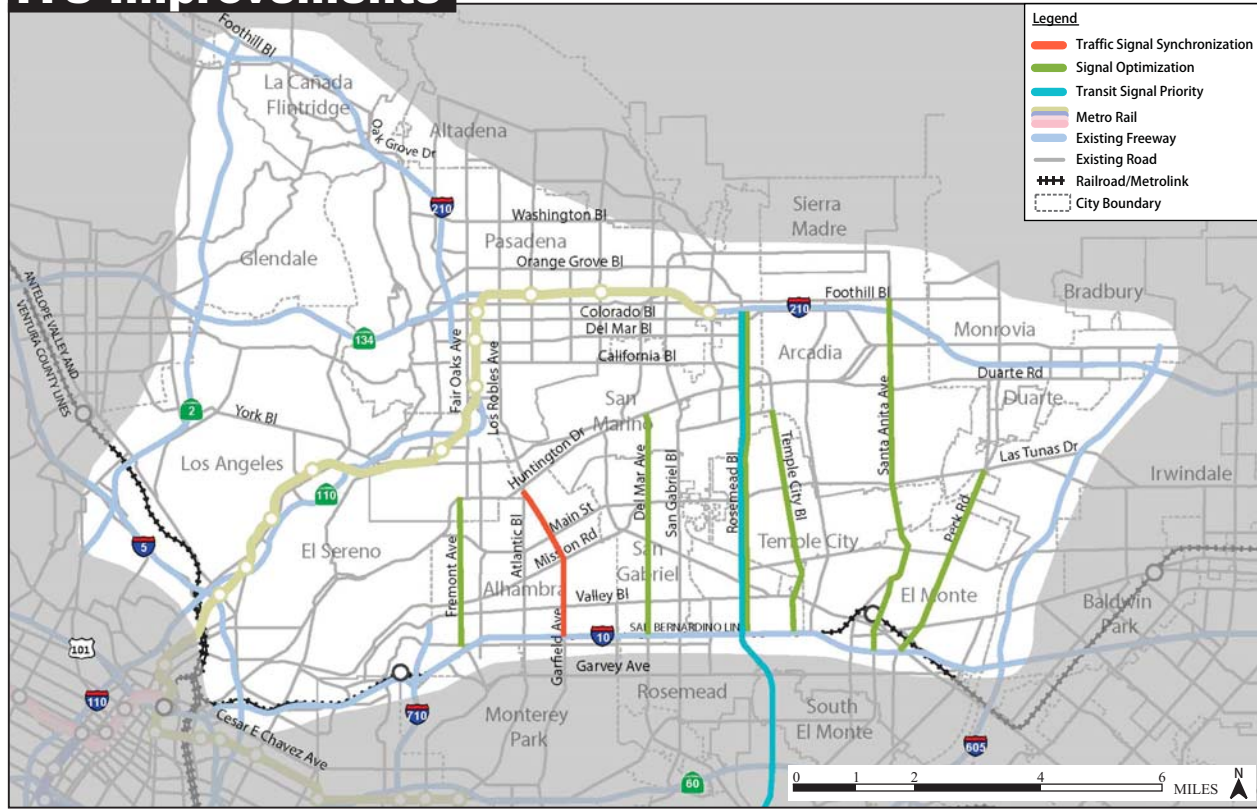
FIGURE 1-1



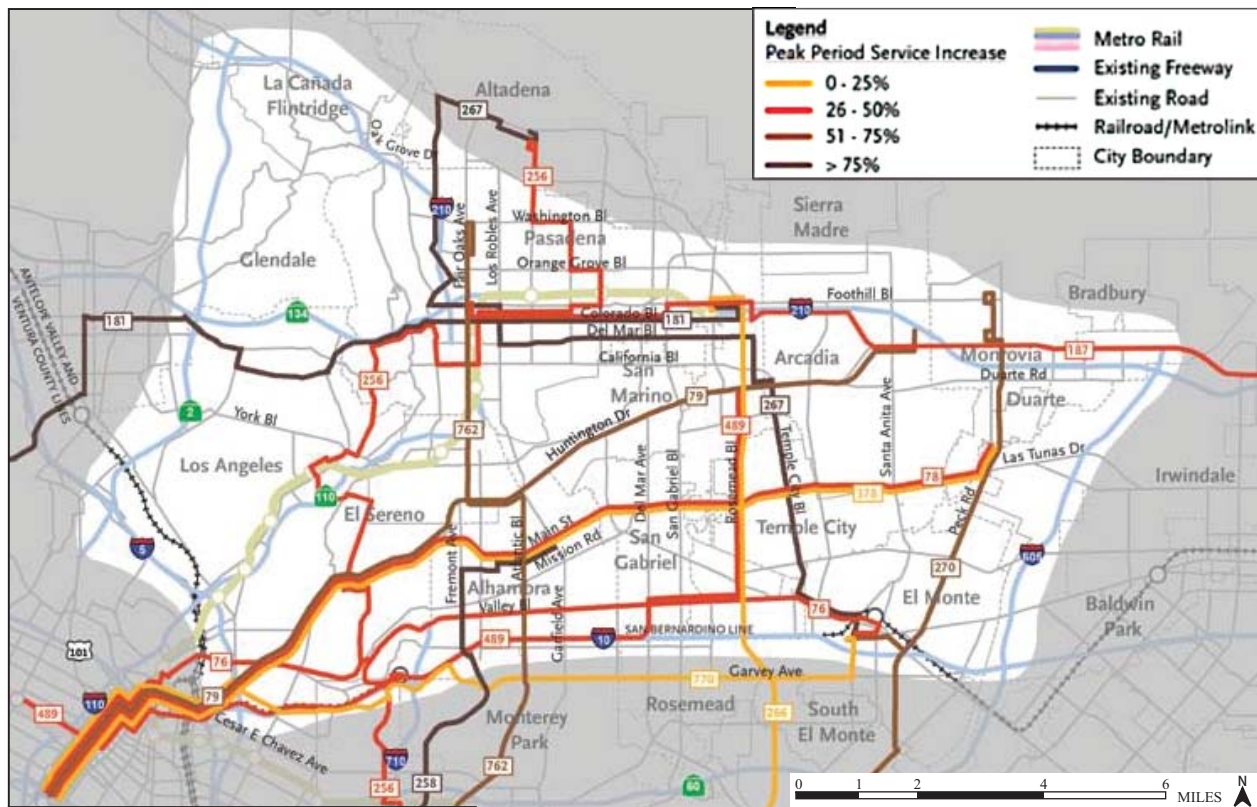
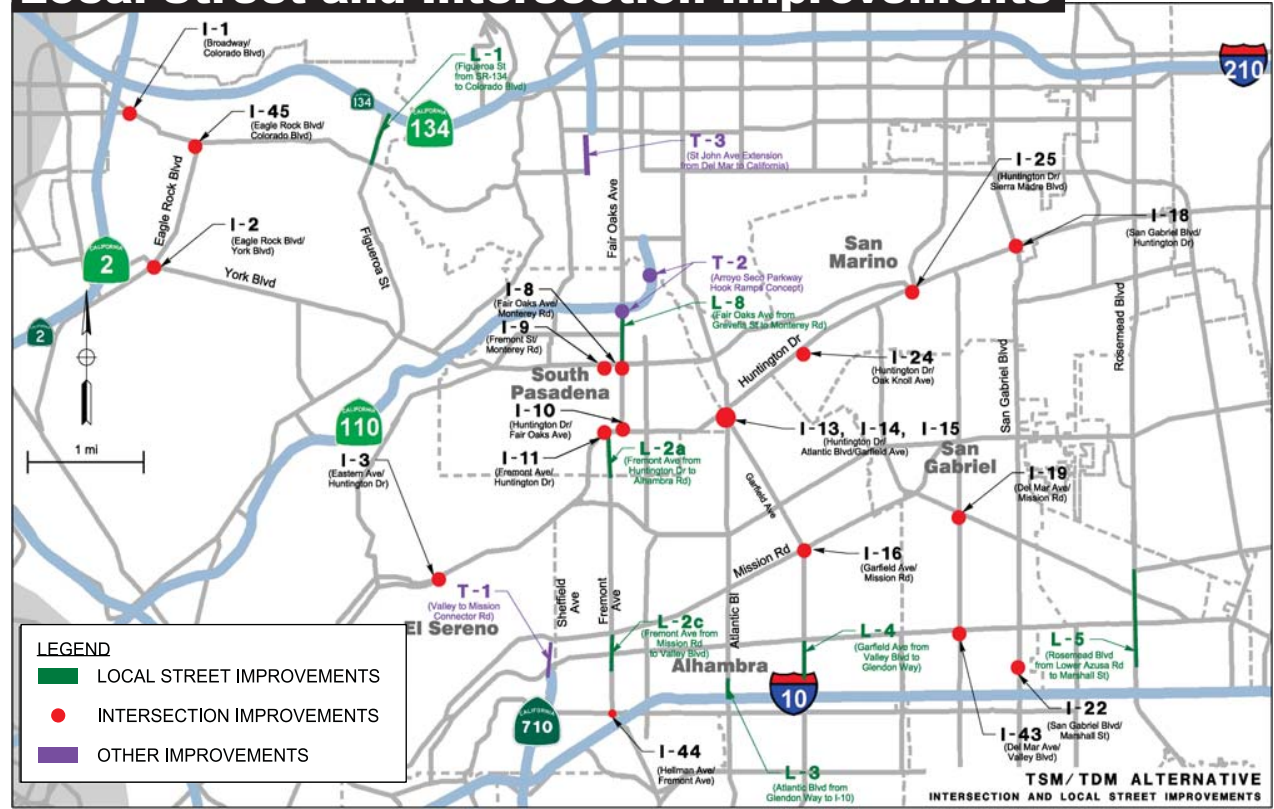
SOURCE: ESRI (2008); LSA (2013)
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SR 710 North Study
 Project Location
 07-LA-710 (SR 710)
 EA 187900
 EFIS 0700000191

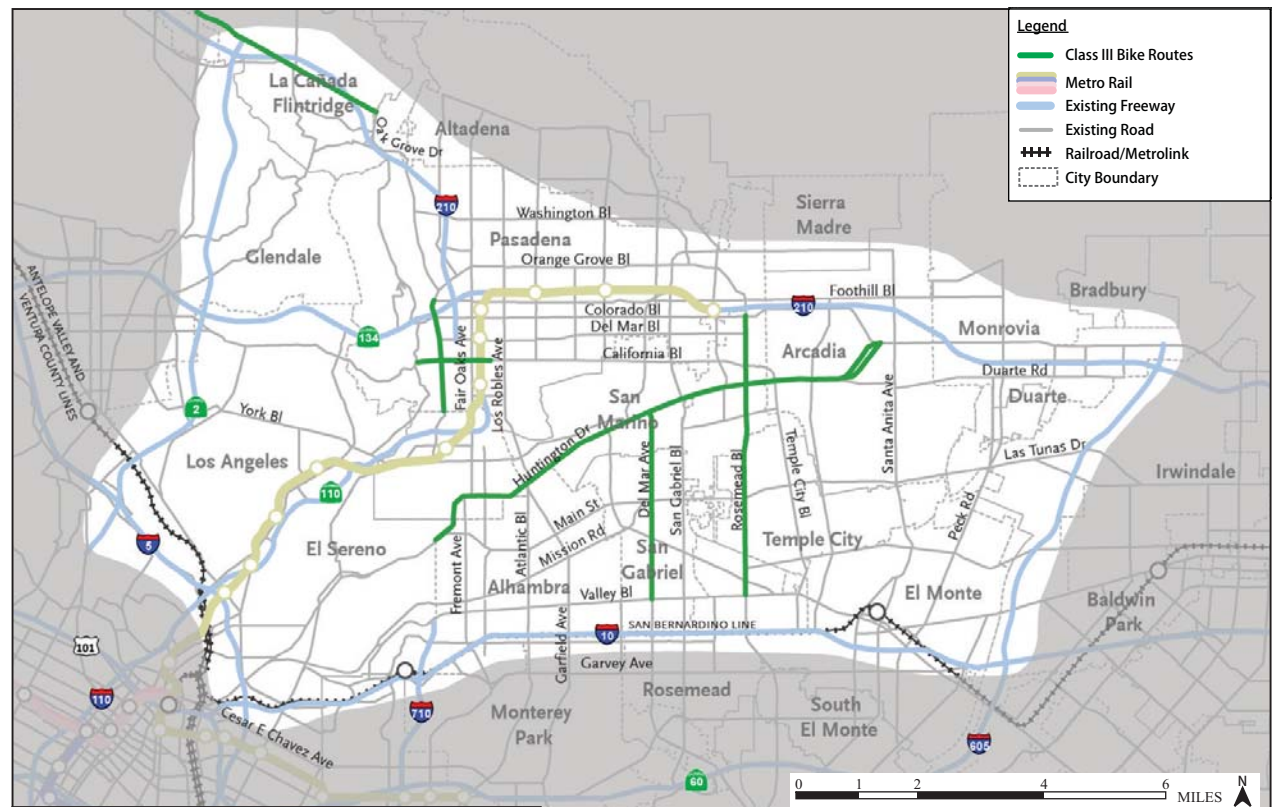
ITS Improvements



Local Street and Intersection Improvements



Transit Refinement



Active Transportation

FIGURE 2-2

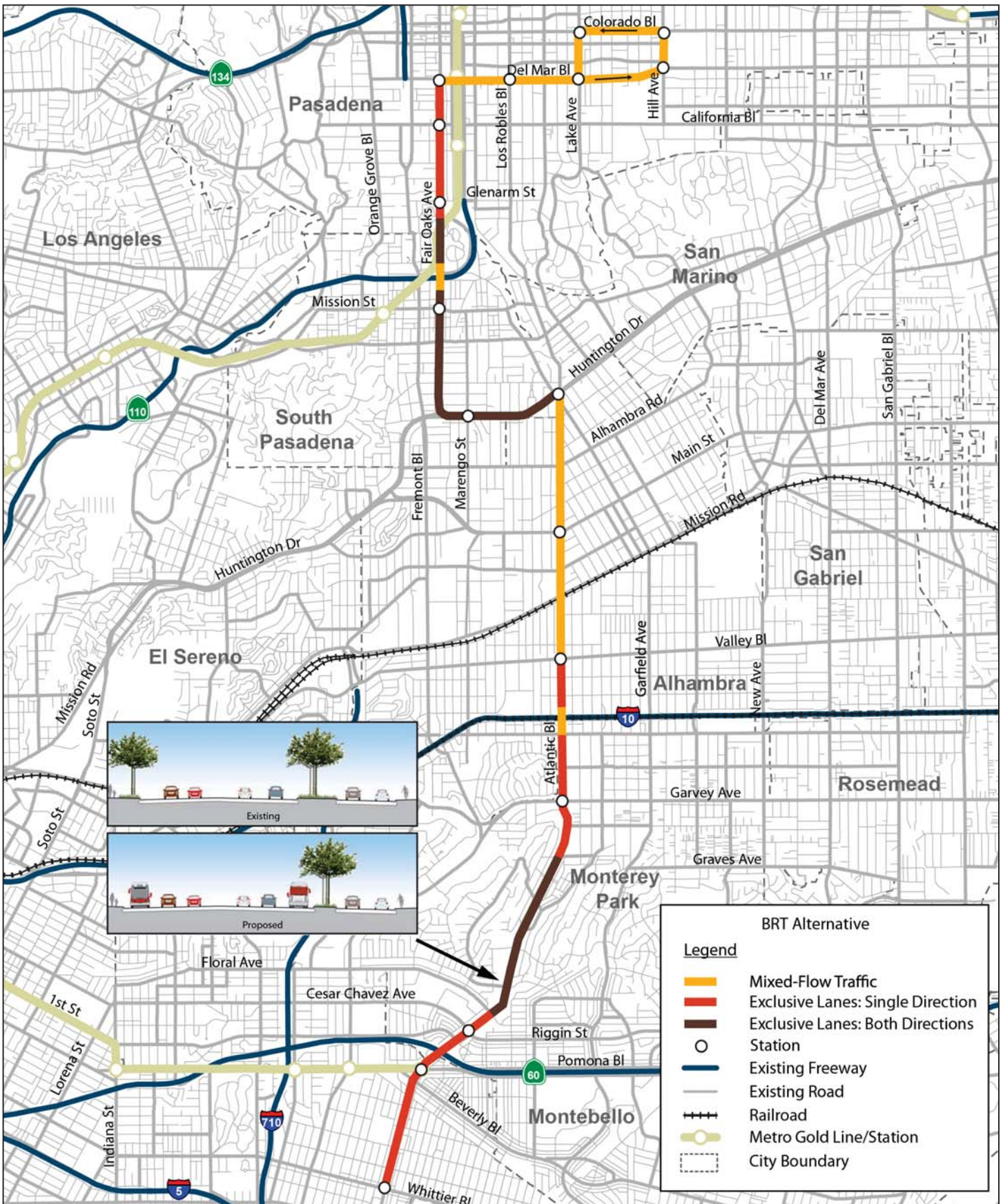


FIGURE 2-3



SR 710 North Study

BRT Alternative

07-LA-710 (SR 710)

EA 187900

EFIS 070000191

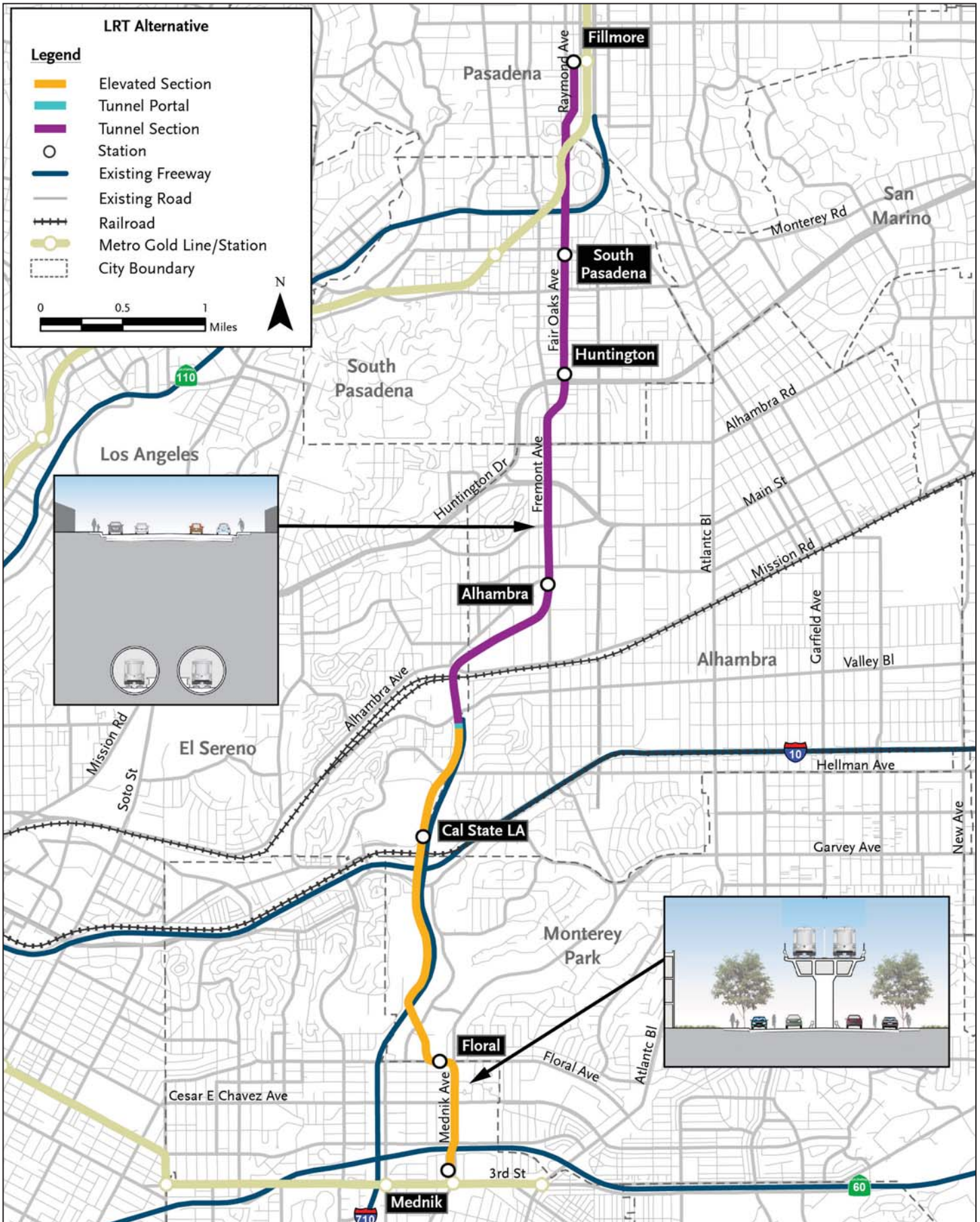
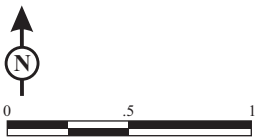


FIGURE 2-4



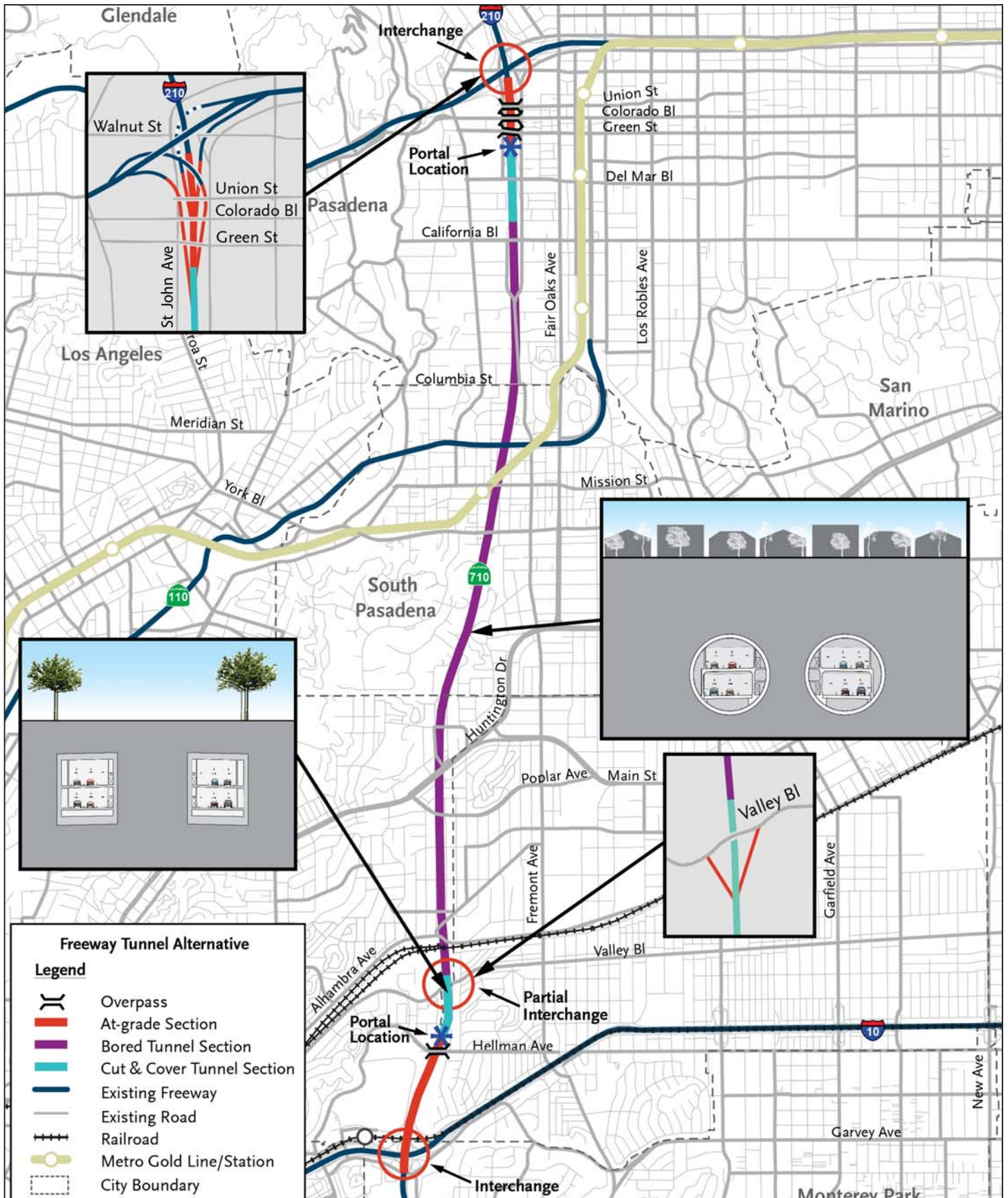


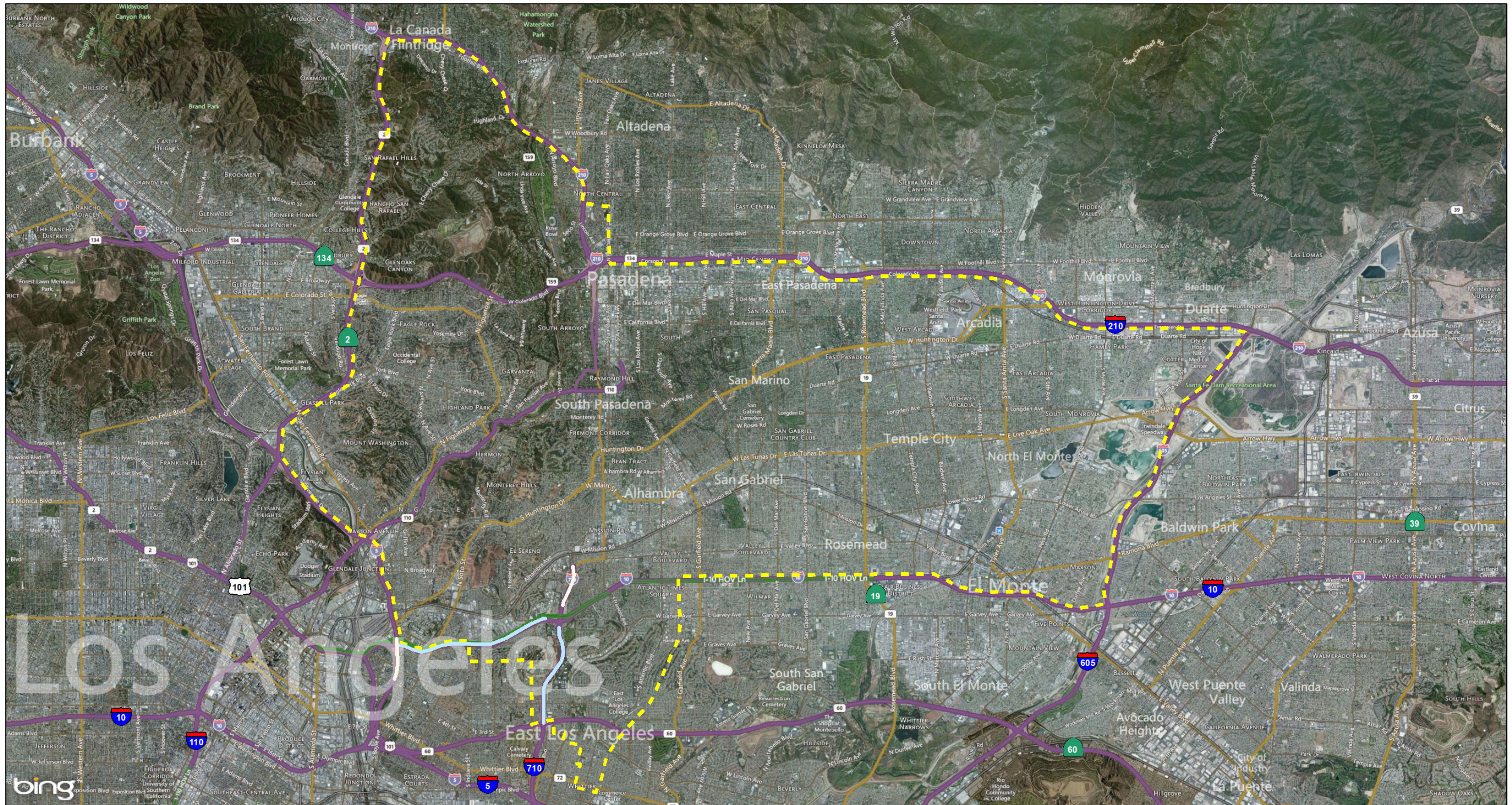
FIGURE 2-5



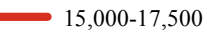
SOURCE: CH2M HILL (2013)

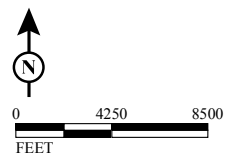
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SR 710 North Study
 Freeway Tunnel Alternative
 Single and Dual Bore
 07-LA-710 (SR 710)
 EA 187900
 EFIS 0700000191



LEGEND

 Study Area	 -2,500 - -1,000	 10,000-12,500
 Truck ADT Variations -10,000- -7,500	 1,000-2,500	 12,500-15,000
 -7,500- -5,000	 2,500-5,000	 15,000-17,500
 -5,000- -2,500	 5,000-7,500	 17,500-20,000
	 7,500-10,000	 20,000-22,500



SOURCE: ESRI (2013); CH2M Hill (2014)

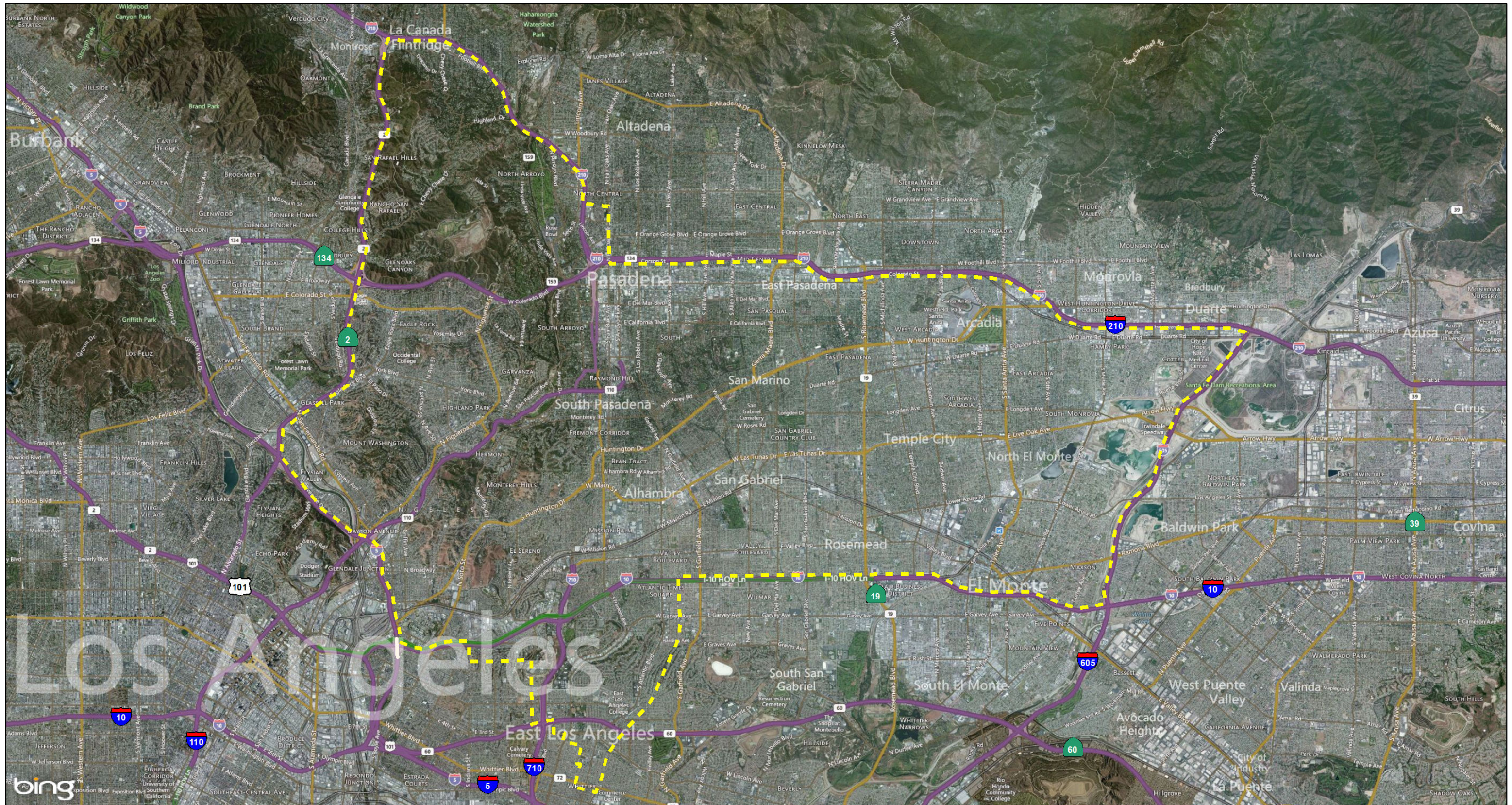
I:\CHM1105\GIS\MXD\AQ\TSM/TDM_Truck_ADT.mxd (6/17/2014)

FIGURE 3-1

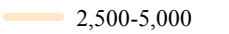
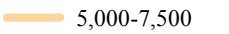
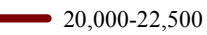
SR 710 North Study
TSM/TDM Alternative - Truck ADT Variations

07-LA-710 (SR 710)
EA 187900
EFIS 070000191

Note - Roadway lengths with project related traffic changes more than -999 or less than +999 not shown on map.



LEGEND

 Study Area	 -2,500 - -1,000	 10,000-12,500
 Truck ADT Variations -10,000- -7,500	 1,000-2,500	 12,500-15,000
 -7,500- -5,000	 2,500-5,000	 15,000-17,500
 -5,000- -2,500	 5,000-7,500	 17,500-20,000
	 7,500-10,000	 20,000-22,500

SOURCE: ESRI (2013); CH2M Hill (2014)

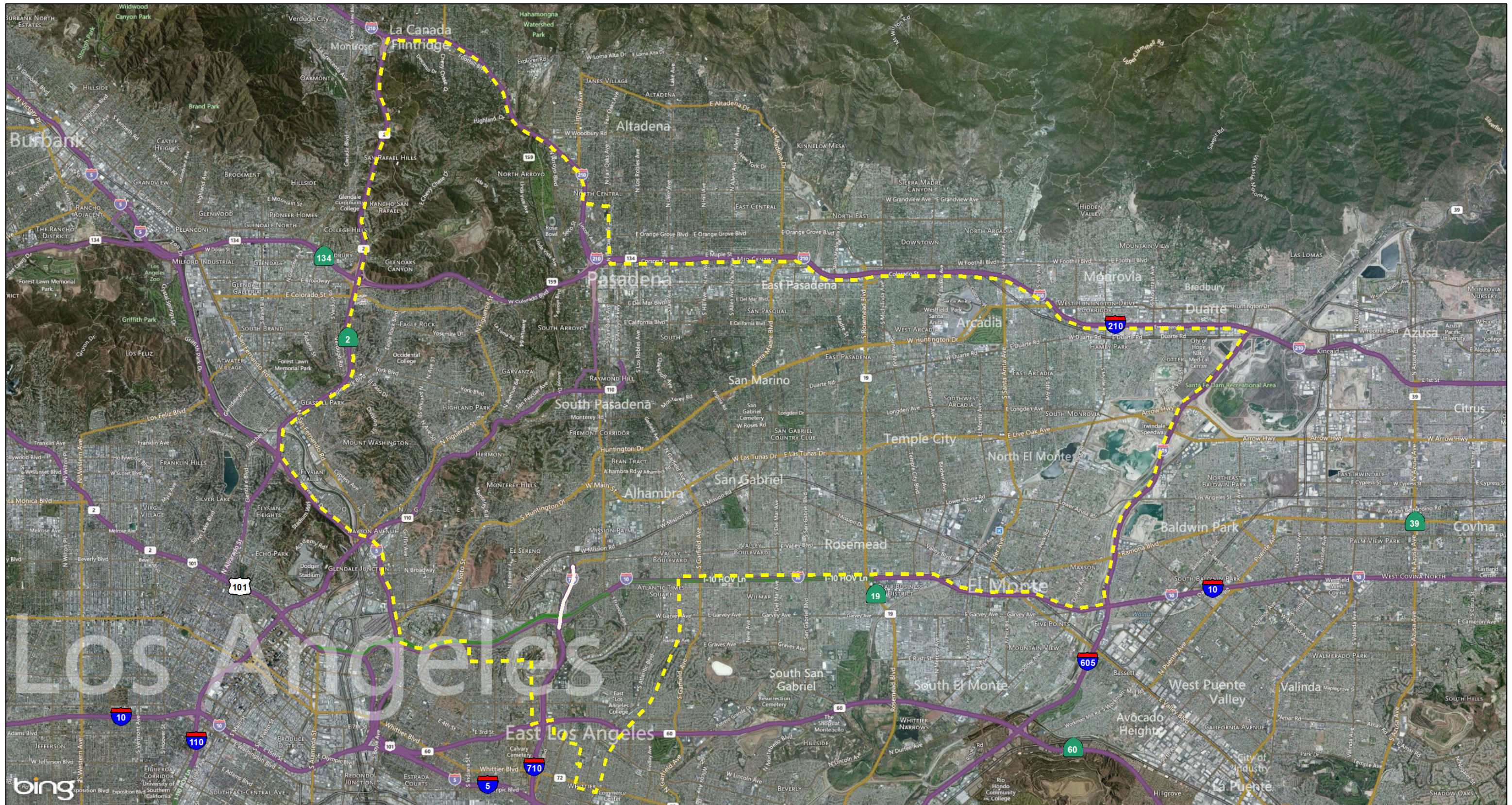
I:\CHM1105\GIS\MXD\QA\LRT_Truck_ADT.mxd (6/17/2014)

FIGURE 3-2





SR 710 North Study
LRT Alternative - Truck ADT Variations

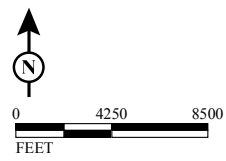
07-LA-710 (SR 710)
EA 187900
EFIS 070000191

Note - Roadway lengths with project related traffic changes more than -999 or less than +999 not shown on map.



LEGEND

 Study Area	 -2,500 - -1,000	 10,000-12,500
 Truck ADT Variations	 1,000-2,500	 12,500-15,000
 -10,000- -7,500	 2,500-5,000	 15,000-17,500
 -7,500- -5,000	 5,000-7,500	 17,500-20,000
 -5,000- -2,500	 7,500-10,000	 20,000-22,500



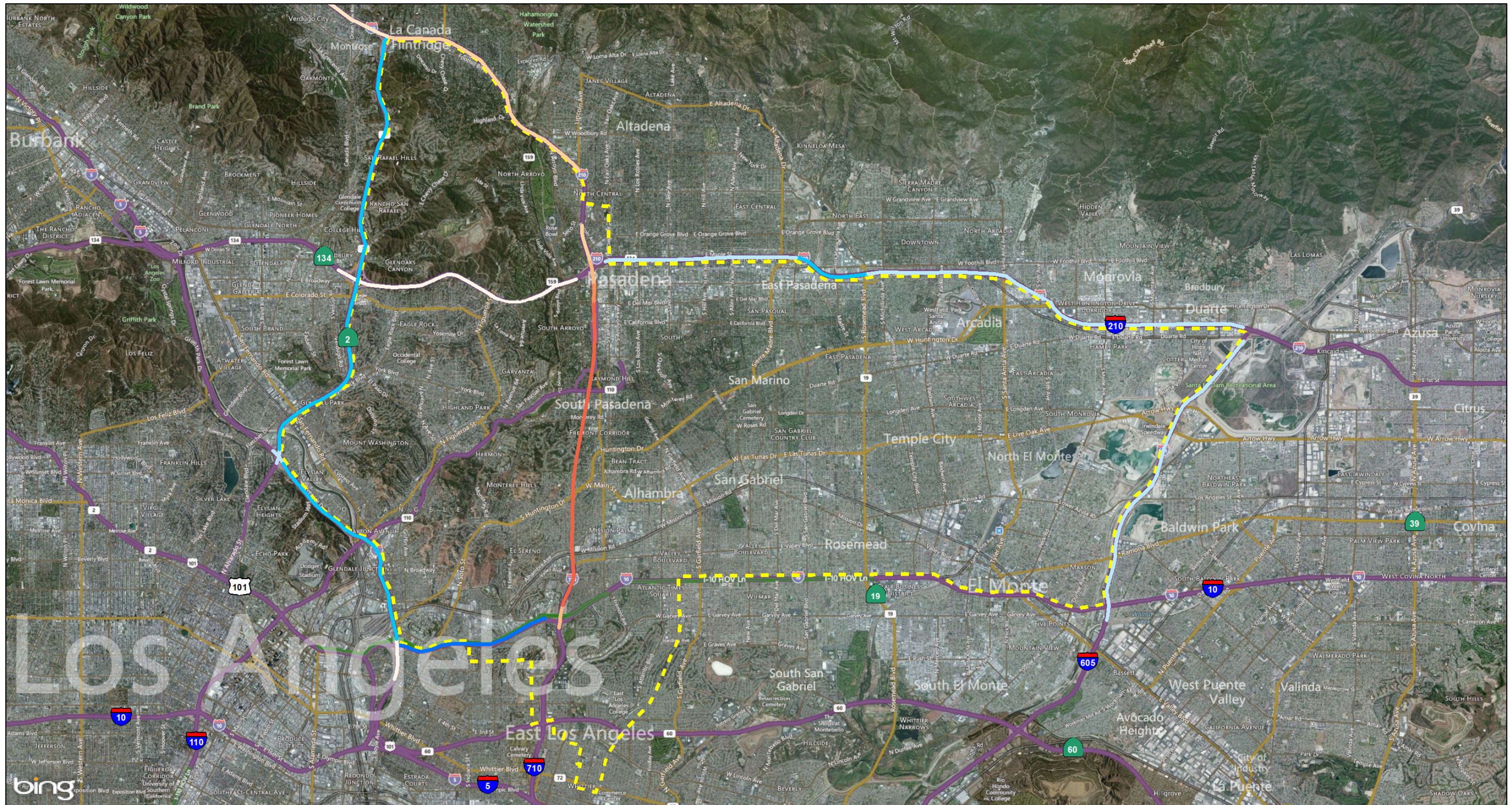
SOURCE: ESRI (2013); CH2M Hill (2014)

I:\CHM1105\GIS\MXD\AQA\BRT_Truck_ADT.mxd (6/17/2014)



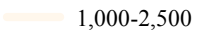
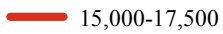
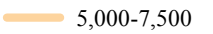
FIGURE 3-3

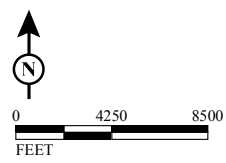
SR 710 North Study
 BRT Alternative - Truck ADT Variations
 07-LA-710 (SR 710)
 EA 187900
 EFIS 070000191

Note - Roadway lengths with project related traffic changes more than -999 or less than +999 not shown on map.



LEGEND

 Study Area	 -2,500 - -1,000	 10,000-12,500
 Truck ADT Variations -10,000- -7,500	 1,000-2,500	 12,500-15,000
 -7,500- -5,000	 2,500-5,000	 15,000-17,500
 -5,000- -2,500	 5,000-7,500	 17,500-20,000
	 7,500-10,000	 20,000-22,500



SOURCE: ESRI (2013); CH2M Hill (2014)

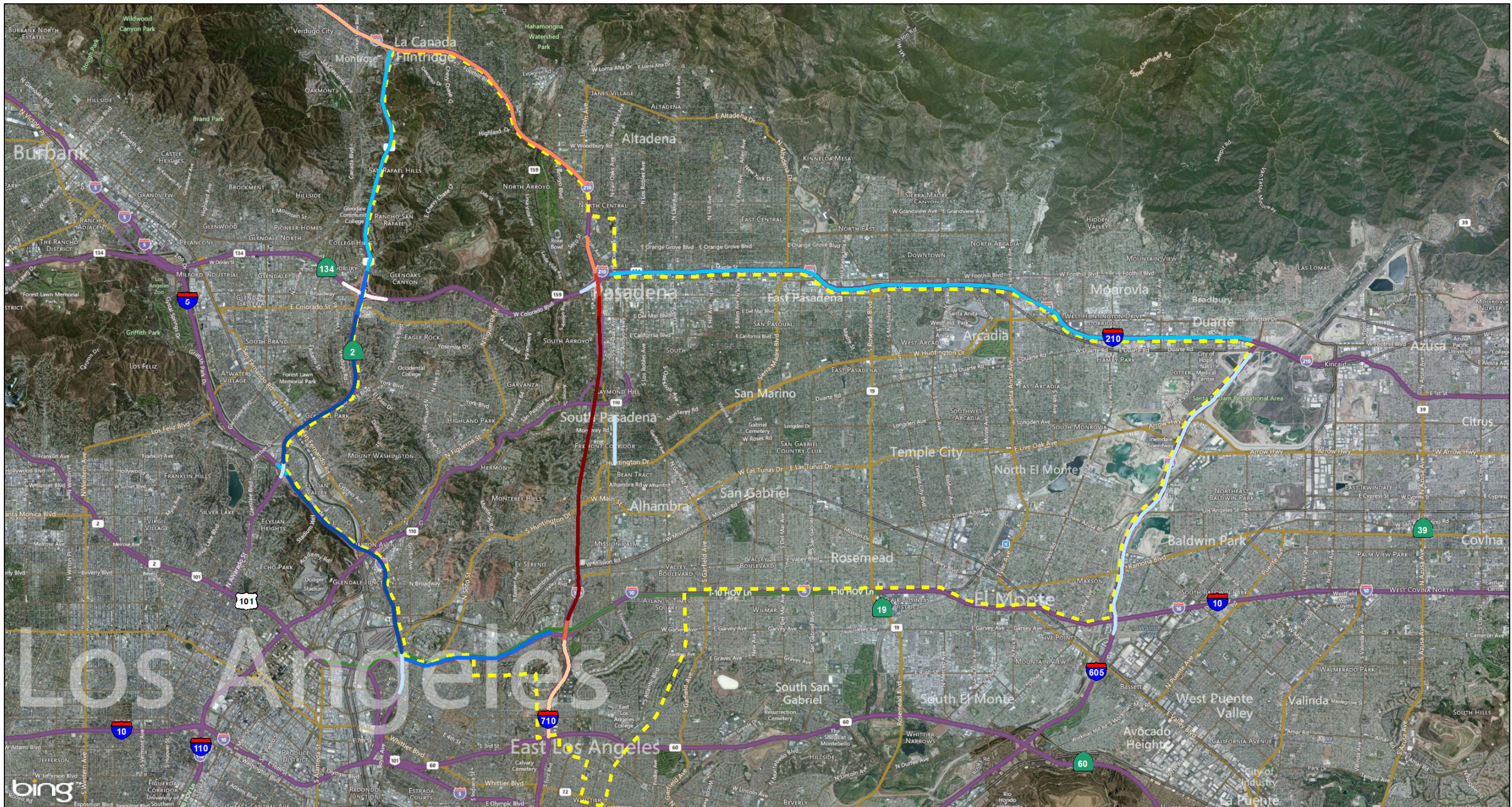
I:\CHM1105\GIS\MXD\AQA\T2_V2_Truck_ADT.mxd (6/17/2014)

FIGURE 3-4







SR 710 North Study
Dual Bore with Tolls Traffic Volumes Alternative - Truck ADT Variations

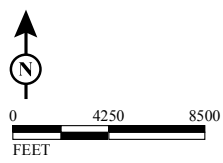
07-LA-710 (SR 710)
EA 187900
EFIS 070000191

Note - Roadway lengths with project related traffic changes more than -999 or less than +999 not shown on map.



LEGEND

 Study Area	 -2,500 - -1,000	 10,000-12,500
 Truck ADT Variations -10,000- -7,500	 1,000-2,500	 12,500-15,000
 -7,500- -5,000	 2,500-5,000	 15,000-17,500
 -5,000- -2,500	 5,000-7,500	 17,500-20,000
	 7,500-10,000	 20,000-22,500

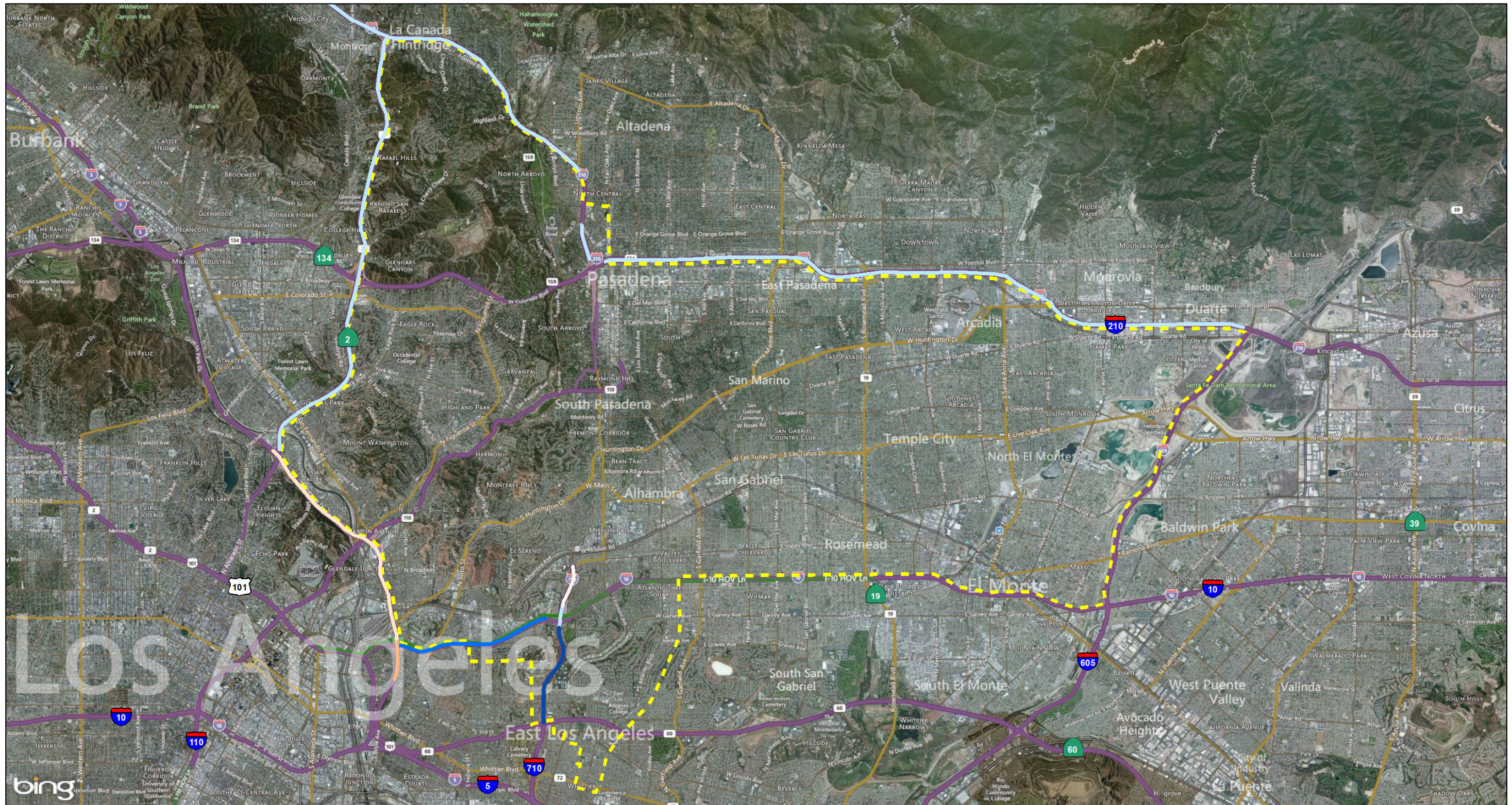


SOURCE: ESRI (2013); CH2M Hill (2014)
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FIGURE 3-5

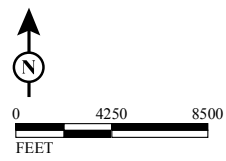
SR 710 North Study
 Dual Bore No Toll Traffic Volumes Alternative - Truck ADT Variations
 07-LA-710 (SR 710)
 EA 187900
 EFIS 070000191

Note - Roadway lengths with project related traffic changes more than -999 or less than +999 not shown on map.



LEGEND

	Study Area		-2,500 - -1,000		10,000-12,500
	Truck ADT Variations		1,000-2,500		12,500-15,000
			2,500-5,000		15,000-17,500
			5,000-7,500		17,500-20,000
			7,500-10,000		20,000-22,500
			-10,000- -7,500		
			-7,500- -5,000		
			-5,000- -2,500		



SOURCE: ESRI (2013); CH2M Hill (2014)

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FIGURE 3-6

SR 710 North Study

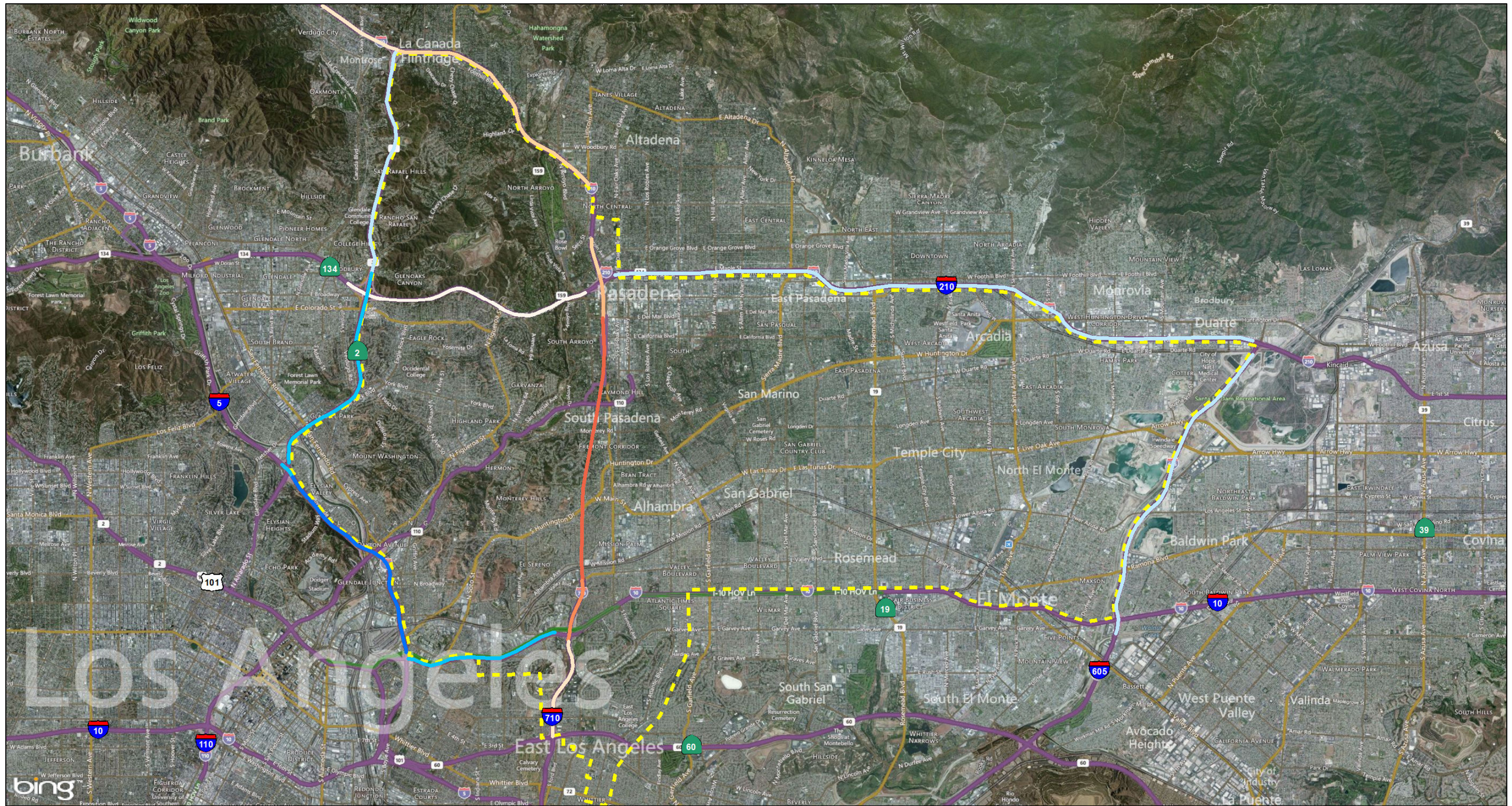
Dual Bore No Toll and without Trucks Traffic Volumes Alternative - Truck ADT Variations

07-LA-710 (SR 710)

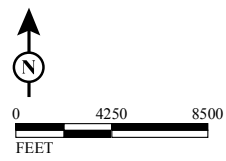
EA 187900

EFIS 070000191

Note - Roadway lengths with project related traffic changes more than +999 or less than -999 not shown on map.



LEGEND



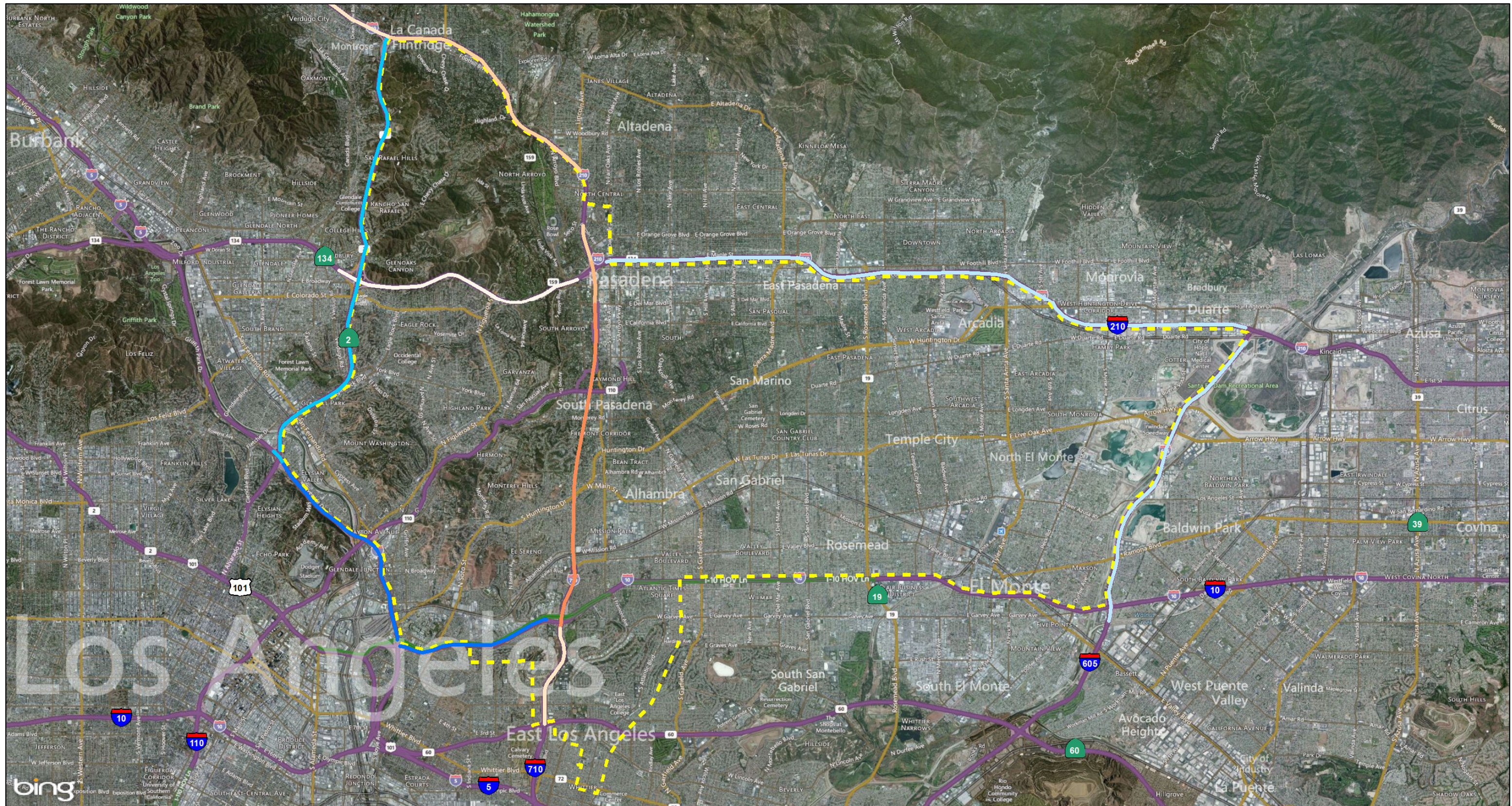
SOURCE: ESRI (2013); CH2M Hill (2014)
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FIGURE 3-7

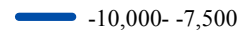
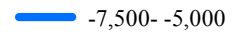
SR 710 North Study
 Single Bore with Tolls Traffic Volumes Alternative - Truck ADT Variations

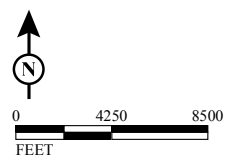
07-LA-710 (SR 710)
 EA 187900
 EFIS 070000191

Note - Roadway lengths with project related traffic changes more than -999 or less than +999 not shown on map.



LEGEND

 Study Area	 -2,500 - -1,000	 10,000-12,500
 -10,000- -7,500	 1,000-2,500	 12,500-15,000
 -7,500- -5,000	 2,500-5,000	 15,000-17,500
 -5,000- -2,500	 5,000-7,500	 17,500-20,000
	 7,500-10,000	 20,000-22,500



SOURCE: ESRI (2013); CH2M Hill (2014)

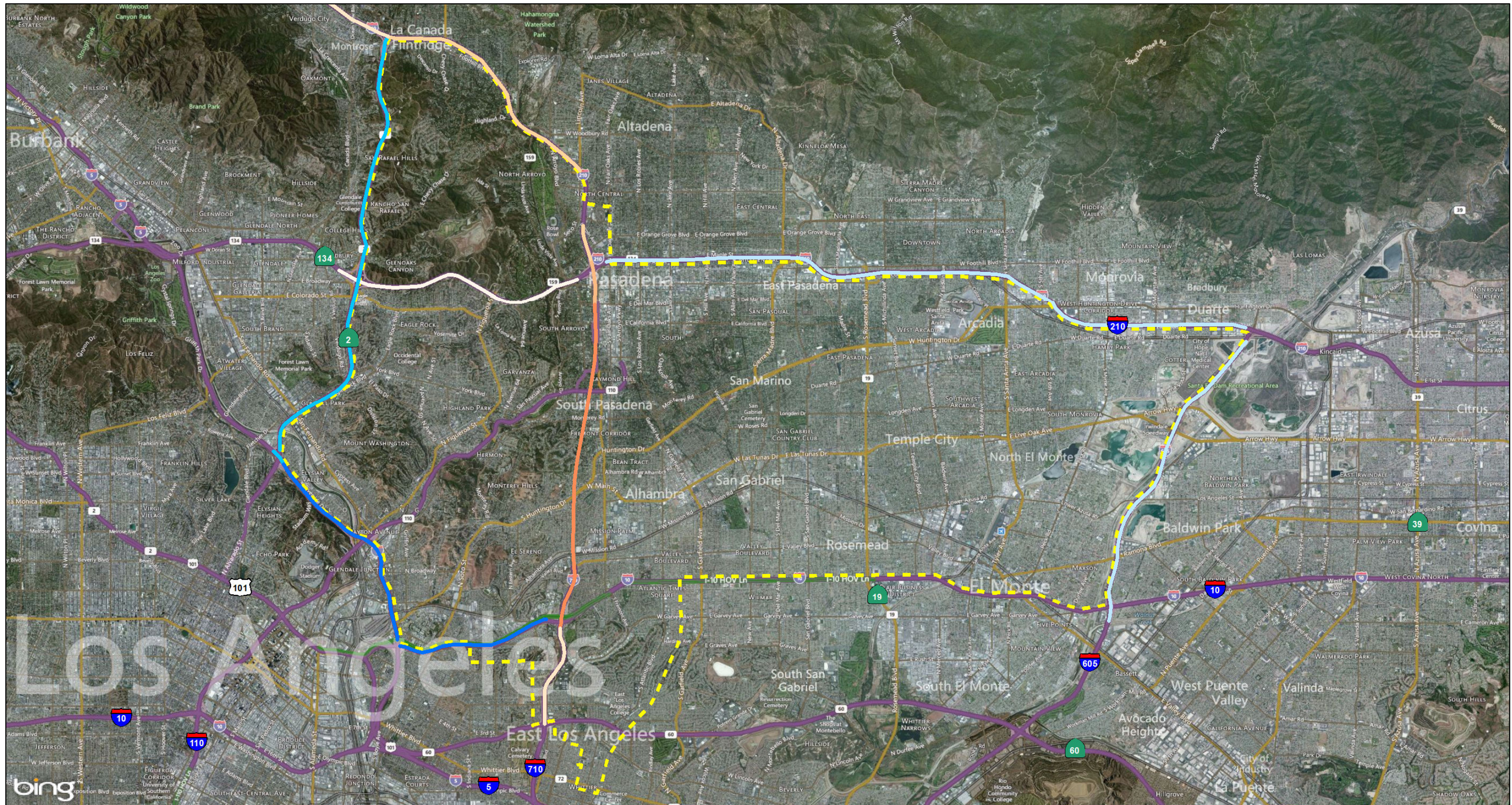
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FIGURE 3-8

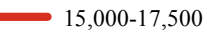
SR 710 North Study
Single Bore with Tolls and Express Bus Traffic Volumes Alternative - Truck ADT Variations

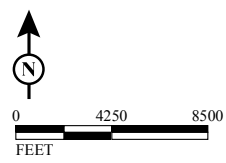
07-LA-710 (SR 710)
EA 187900
EFIS 070000191

Note - Roadway lengths with project related traffic changes more than -999 or less than +999 not shown on map.



LEGEND

 Study Area	 -2,500 - -1,000	 10,000-12,500
 -10,000- -7,500	 1,000-2,500	 12,500-15,000
 -7,500- -5,000	 2,500-5,000	 15,000-17,500
 -5,000- -2,500	 5,000-7,500	 17,500-20,000
	 7,500-10,000	 20,000-22,500



SOURCE: ESRI (2013); CH2M Hill (2014)

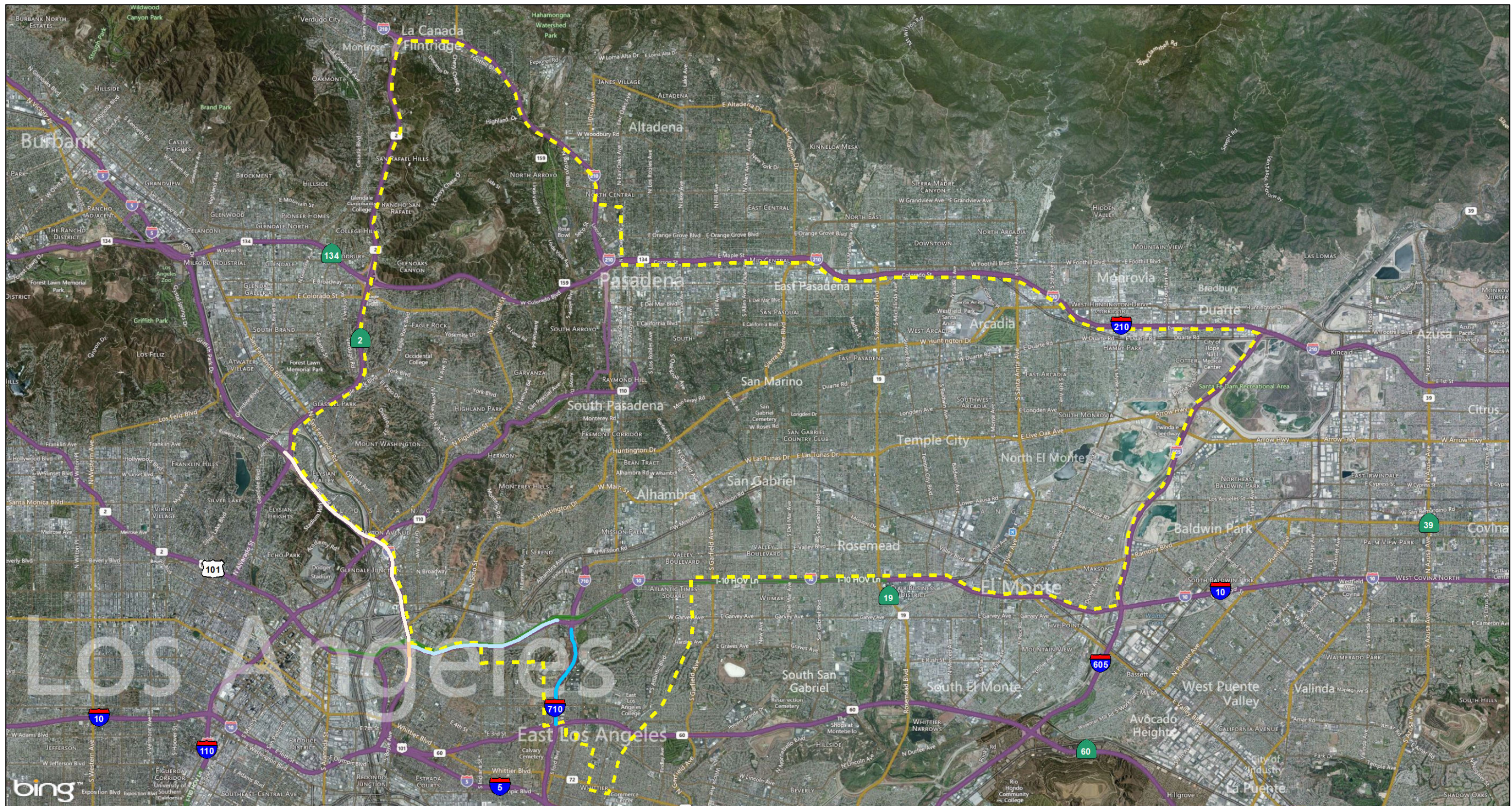
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FIGURE 3-8


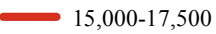
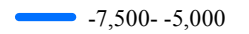
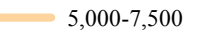
SR 710 North Study
Single Bore with Tolls and Express Bus Traffic Volumes Alternative - Truck ADT Variations

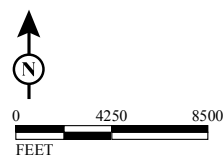
07-LA-710 (SR 710)
EA 187900
EFIS 070000191

Note - Roadway lengths with project related traffic changes more than -999 or less than +999 not shown on map.



LEGEND

 Study Area	 -2,500 - -1,000	 10,000-12,500
 -10,000- -7,500	 1,000-2,500	 12,500-15,000
 -7,500- -5,000	 2,500-5,000	 15,000-17,500
 -5,000- -2,500	 5,000-7,500	 17,500-20,000
	 7,500-10,000	 20,000-22,500



SOURCE: ESRI (2013); CH2M Hill (2014)

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FIGURE 3-9

SR 710 North Study
Single Bore with Tolls and without Trucks Traffic Volumes Alternative - Truck ADT Variations

07-LA-710 (SR 710)
EA 187900
EFIS 070000191

Note - Roadway lengths with project related traffic changes more than -999 or less than +999 not shown on map.

Appendix E: Regional Emissions Analysis

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Existing (2012) Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	9,982
5 - 10 mph	103,144
10 - 15 mph	344,764
15 - 20 mph	683,158
20 - 25 mph	1,535,549
25 - 30 mph	2,977,874
30 - 35 mph	2,983,373
35 - 40 mph	1,476,421
40 - 45 mph	1,947,039
45 - 50 mph	2,083,960
50 - 55 mph	2,082,066
55 - 60 mph	1,719,121
60 - 65 mph	2,130,258
65 - 70 mph	2,487,173
70 - 75 mph	1,629
75 - 80 mph	0
	22,565,510

Existing (2012) Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	13.7	17.3	122.0	36.3	31,490.7	30,424.4	2.3	1.6	0.4	0.0	0.5	1.0	0.1	0.0	0.0	0.9	5.5
5 - 10 mph	94.0	117.6	1,039.9	289.4	246,652.7	238,442.9	20.4	12.8	2.9	0.1	3.0	6.7	0.6	0.2	0.1	6.8	34.5
10 - 15 mph	203.1	254.6	2,861.6	756.2	635,380.4	614,267.9	59.6	34.8	6.4	0.3	5.5	12.9	1.3	0.5	0.1	16.2	61.6
15 - 20 mph	265.1	335.3	4,820.5	1,228.2	1,002,318.8	968,898.1	105.5	57.4	8.6	0.4	5.5	13.7	1.8	0.7	0.2	22.5	55.6
20 - 25 mph	466.2	587.3	9,552.3	2,557.2	1,892,753.0	1,830,303.0	226.3	119.2	15.0	0.7	10.1	25.0	3.2	1.1	0.3	43.8	104.3
25 - 30 mph	736.4	925.9	16,659.0	4,672.1	3,192,928.4	3,088,581.3	424.7	218.1	23.6	1.1	16.3	40.1	5.0	1.8	0.6	75.7	169.8
30 - 35 mph	627.4	786.7	15,279.2	4,483.3	2,878,073.2	2,784,720.8	416.8	210.6	20.1	0.9	13.9	34.2	4.3	1.5	0.5	70.4	144.4
35 - 40 mph	275.7	344.6	7,080.5	2,152.1	1,330,088.0	1,287,090.1	204.4	102.5	8.8	0.4	6.0	14.8	1.9	0.7	0.2	33.9	61.9
40 - 45 mph	337.2	421.4	8,927.6	2,800.4	1,694,761.8	1,639,963.3	269.9	135.4	10.8	0.5	7.2	17.8	2.3	0.8	0.3	45.8	72.9
45 - 50 mph	352.3	439.4	9,307.3	3,026.3	1,804,996.9	1,746,504.8	292.1	148.0	11.4	0.5	7.3	18.2	2.4	0.8	0.3	52.6	73.0
50 - 55 mph	361.2	450.3	9,312.1	3,119.0	1,854,064.2	1,793,684.9	297.9	153.4	11.7	0.6	7.3	18.3	2.5	0.8	0.4	58.5	71.8
55 - 60 mph	323.8	403.1	7,960.6	2,736.6	1,616,258.8	1,563,362.1	253.3	133.4	10.5	0.5	6.4	16.1	2.3	0.7	0.3	55.2	61.7
60 - 65 mph	456.9	567.7	10,731.6	3,563.6	2,206,078.9	2,133,198.8	325.8	176.2	14.9	0.7	8.8	22.3	3.2	1.0	0.5	79.1	83.1
65 - 70 mph	604.7	747.5	13,869.7	4,406.4	2,760,424.1	2,669,497.7	396.6	220.7	19.7	0.9	11.6	29.5	4.3	1.3	0.6	107.7	109.4
70 - 75 mph	0.4	0.5	9.1	2.9	1,807.5	1,748.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Total	5,117.9	6,399.3	117,533.1	35,829.8	23,148,077.4	22,390,688.1	3,295.9	1,724.2	164.8	7.7	109.2	270.8	35.2	12.0	4.4	669.2	1,109.7

2020 No Build - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	10,164
5 - 10 mph	85,347
10 - 15 mph	350,288
15 - 20 mph	800,406
20 - 25 mph	1,683,126
25 - 30 mph	3,214,419
30 - 35 mph	3,302,393
35 - 40 mph	1,746,698
40 - 45 mph	2,101,041
45 - 50 mph	2,378,239
50 - 55 mph	1,850,248
55 - 60 mph	1,933,378
60 - 65 mph	2,256,699
65 - 70 mph	2,561,642
70 - 75 mph	2,093
75 - 80 mph	0
	24,276,181

2020 No Build - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	6.6	8.7	56.9	20.1	32,693.4	25,126.1	1.5	0.8	0.2	0.0	0.3	0.6	0.0	0.0	0.0	0.2	3.4
5 - 10 mph	36.0	47.4	404.6	133.4	208,535.3	160,896.3	12.1	6.1	1.0	0.0	1.3	2.9	0.2	0.1	0.0	1.2	17.0
10 - 15 mph	92.6	122.9	1,391.9	432.8	661,109.5	510,368.9	46.9	22.7	2.6	0.1	3.0	6.7	0.5	0.3	0.1	4.0	37.2
15 - 20 mph	135.2	182.3	2,741.2	805.6	1,201,723.8	927,020.5	103.3	48.1	3.9	0.2	3.4	8.1	0.8	0.5	0.1	7.7	40.6
20 - 25 mph	224.9	300.6	5,163.6	1,543.2	2,129,784.4	1,647,224.6	212.5	96.8	6.5	0.3	6.1	14.2	1.3	0.8	0.2	14.5	73.4
25 - 30 mph	353.2	469.4	8,951.9	2,730.4	3,547,236.3	2,749,718.9	400.3	179.8	10.2	0.4	10.0	23.1	2.0	1.3	0.3	25.9	121.2
30 - 35 mph	310.6	410.5	8,451.6	2,644.1	3,285,449.2	2,551,125.0	408.2	181.9	9.0	0.4	8.9	20.6	1.7	1.1	0.3	26.1	108.3
35 - 40 mph	146.6	193.0	4,191.0	1,338.2	1,624,700.8	1,262,547.0	215.4	95.7	4.2	0.2	4.2	9.6	0.8	0.5	0.1	14.1	50.3
40 - 45 mph	163.8	215.2	4,787.1	1,574.2	1,886,258.7	1,465,889.0	259.6	115.6	4.8	0.2	4.5	10.5	0.9	0.6	0.2	18.0	53.8
45 - 50 mph	179.7	235.9	5,210.2	1,786.8	2,124,878.1	1,650,388.6	295.5	132.3	5.2	0.2	4.7	11.0	1.0	0.6	0.2	22.2	55.1
50 - 55 mph	142.1	186.3	3,961.3	1,433.7	1,695,756.6	1,315,642.8	231.9	104.9	4.2	0.2	3.5	8.2	0.8	0.5	0.1	19.3	39.8
55 - 60 mph	158.6	207.7	4,126.1	1,597.3	1,868,456.3	1,447,686.6	245.4	112.3	4.7	0.2	3.6	8.6	1.0	0.5	0.2	22.8	39.7
60 - 65 mph	209.5	273.6	5,027.0	1,959.2	2,395,142.0	1,851,688.6	290.8	135.2	6.3	0.3	4.2	10.6	1.3	0.7	0.2	30.3	45.7
65 - 70 mph	275.7	355.4	6,258.3	2,352.9	2,919,162.1	2,257,481.4	335.6	158.6	8.3	0.4	5.1	13.0	1.8	0.9	0.3	39.1	52.7
70 - 75 mph	0.2	0.3	5.1	1.9	2,385.3	1,844.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2,435.2	3,209.3	60,727.8	20,353.7	25,583,272.0	19,824,648.9	3,059.4	1,391.1	71.2	3.0	62.8	147.7	14.2	8.4	2.2	245.3	738.0

2020 TSMTDM - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	3,976
5 - 10 mph	82,487
10 - 15 mph	308,965
15 - 20 mph	768,226
20 - 25 mph	1,666,649
25 - 30 mph	3,226,620
30 - 35 mph	3,332,809
35 - 40 mph	1,757,747
40 - 45 mph	2,054,920
45 - 50 mph	2,416,093
50 - 55 mph	2,029,047
55 - 60 mph	1,861,060
60 - 65 mph	2,211,466
65 - 70 mph	2,564,701
70 - 75 mph	1,811
75 - 80 mph	0

2020 TSMTDM - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCF5)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.6	3.4	22.2	7.9	12,787.5	9,827.7	0.6	0.3	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.1	1.3
5 - 10 mph	34.8	45.8	391.0	128.9	201,548.5	155,505.6	11.7	5.9	1.0	0.0	1.3	2.8	0.2	0.1	0.0	1.1	16.4
10 - 15 mph	81.7	108.4	1,227.7	381.8	583,119.3	450,161.4	41.4	20.0	2.3	0.1	2.6	5.9	0.4	0.3	0.1	3.5	32.8
15 - 20 mph	129.8	175.0	2,631.0	773.2	1,153,409.6	889,750.5	99.2	46.2	3.8	0.2	3.3	7.8	0.7	0.5	0.1	7.3	39.0
20 - 25 mph	222.7	297.7	5,113.1	1,528.1	2,108,934.3	1,631,098.6	210.4	95.9	6.5	0.3	6.0	14.1	1.3	0.8	0.2	14.3	72.7
25 - 30 mph	354.5	471.2	8,985.9	2,740.8	3,560,701.5	2,760,156.7	401.8	180.5	10.2	0.4	10.1	23.2	2.0	1.3	0.3	26.0	121.6
30 - 35 mph	313.4	414.3	8,529.5	2,668.5	3,315,709.5	2,574,621.8	412.0	183.6	9.0	0.4	9.0	20.8	1.8	1.1	0.3	26.3	109.3
35 - 40 mph	147.5	194.2	4,217.5	1,346.6	1,634,978.0	1,270,533.4	216.8	96.4	4.3	0.2	4.2	9.7	0.8	0.5	0.1	14.2	50.6
40 - 45 mph	160.2	210.4	4,682.0	1,539.7	1,844,852.0	1,433,710.2	253.9	113.1	4.6	0.2	4.4	10.2	0.9	0.5	0.1	17.6	52.6
45 - 50 mph	182.6	239.6	5,293.1	1,815.2	2,158,698.9	1,676,657.1	300.2	134.4	5.3	0.2	4.8	11.2	1.1	0.6	0.2	22.6	56.0
50 - 55 mph	155.8	204.3	4,344.1	1,572.3	1,859,626.3	1,442,780.1	254.3	115.0	4.6	0.2	3.8	9.0	0.9	0.5	0.2	21.2	43.6
55 - 60 mph	152.6	199.9	3,971.8	1,537.5	1,798,567.3	1,393,536.3	236.2	108.1	4.5	0.2	3.4	8.3	0.9	0.5	0.2	22.0	38.3
60 - 65 mph	205.3	268.1	4,926.2	1,919.9	2,347,133.7	1,814,573.3	285.0	132.5	6.2	0.3	4.2	10.3	1.3	0.7	0.2	29.7	44.7
65 - 70 mph	276.1	355.9	6,265.8	2,355.7	2,922,647.3	2,260,176.6	336.0	158.7	8.3	0.4	5.1	13.0	1.8	0.9	0.3	39.2	52.7
70 - 75 mph	0.2	0.3	4.4	1.7	2,064.1	1,596.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2,419.7	3,188.6	60,605.3	20,317.6	25,504,777.9	19,764,685.6	3,059.7	1,390.7	70.8	3.0	62.3	146.6	14.1	8.3	2.2	245.1	731.6

2020 BRT - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	4,172
5 - 10 mph	77,917
10 - 15 mph	312,737
15 - 20 mph	748,367
20 - 25 mph	1,653,059
25 - 30 mph	3,212,978
30 - 35 mph	3,400,548
35 - 40 mph	1,763,642
40 - 45 mph	2,025,751
45 - 50 mph	2,407,029
50 - 55 mph	1,985,218
55 - 60 mph	1,880,182
60 - 65 mph	2,199,312
65 - 70 mph	2,593,234
70 - 75 mph	2,377
75 - 80 mph	0

2020 BRT - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.7	3.6	23.3	8.3	13,419.0	10,313.0	0.6	0.3	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.1	1.4
5 - 10 mph	32.9	43.3	369.4	121.7	190,381.6	146,889.7	11.0	5.6	0.9	0.0	1.2	2.7	0.2	0.1	0.0	1.1	15.5
10 - 15 mph	82.7	109.7	1,242.7	386.4	590,238.7	455,657.5	41.9	20.2	2.3	0.1	2.7	6.0	0.4	0.3	0.1	3.6	33.2
15 - 20 mph	126.4	170.5	2,562.9	753.2	1,123,592.8	866,749.6	96.6	45.0	3.7	0.2	3.2	7.6	0.7	0.5	0.1	7.2	37.9
20 - 25 mph	220.9	295.3	5,071.4	1,515.6	2,091,737.9	1,617,798.5	208.7	95.1	6.4	0.3	6.0	14.0	1.2	0.8	0.2	14.2	72.1
25 - 30 mph	353.0	469.2	8,947.9	2,729.2	3,545,646.7	2,748,486.6	400.1	179.7	10.2	0.4	10.0	23.1	2.0	1.3	0.3	25.9	121.1
30 - 35 mph	319.8	422.7	8,702.8	2,722.7	3,383,100.9	2,626,950.7	420.4	187.3	9.2	0.4	9.2	21.2	1.8	1.1	0.3	26.9	111.5
35 - 40 mph	148.0	194.9	4,231.6	1,351.1	1,640,461.1	1,274,794.3	217.5	96.7	4.3	0.2	4.2	9.7	0.8	0.5	0.1	14.2	50.8
40 - 45 mph	157.9	207.5	4,615.5	1,517.8	1,818,665.4	1,413,359.5	250.3	111.5	4.6	0.2	4.3	10.1	0.9	0.5	0.1	17.3	51.8
45 - 50 mph	181.9	238.7	5,273.2	1,808.4	2,150,600.7	1,670,367.2	299.0	133.9	5.3	0.2	4.7	11.1	1.1	0.6	0.2	22.5	55.8
50 - 55 mph	152.4	199.9	4,250.3	1,538.3	1,819,456.7	1,411,614.7	248.8	112.5	4.5	0.2	3.7	8.8	0.9	0.5	0.2	20.7	42.7
55 - 60 mph	154.2	202.0	4,012.6	1,553.3	1,817,047.3	1,407,854.7	238.6	109.3	4.6	0.2	3.5	8.4	0.9	0.5	0.2	22.2	38.7
60 - 65 mph	204.1	266.7	4,899.2	1,909.4	2,334,234.1	1,804,600.6	283.4	131.8	6.1	0.3	4.1	10.3	1.3	0.7	0.2	29.5	44.5
65 - 70 mph	279.1	359.8	6,335.5	2,381.9	2,955,162.8	2,285,321.9	339.8	160.5	8.4	0.4	5.2	13.1	1.8	0.9	0.3	39.6	53.3
70 - 75 mph	0.3	0.3	5.8	2.2	2,708.3	2,094.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2,416.4	3,184.0	60,544.2	20,299.5	25,476,454.0	19,742,853.0	3,057.2	1,389.6	70.7	3.0	62.2	146.3	14.1	8.3	2.2	244.9	730.3

2025 No Build - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	13,215
5 - 10 mph	87,774
10 - 15 mph	369,363
15 - 20 mph	852,107
20 - 25 mph	1,745,628
25 - 30 mph	3,217,231
30 - 35 mph	3,392,006
35 - 40 mph	1,929,834
40 - 45 mph	2,164,494
45 - 50 mph	2,333,499
50 - 55 mph	1,976,831
55 - 60 mph	1,742,449
60 - 65 mph	2,205,679
65 - 70 mph	2,529,112
70 - 75 mph	1,409
75 - 80 mph	0
	24,560,632

2025 No Build - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	7.2	9.6	56.1	17.5	42,985.0	31,340.7	2.0	1.1	0.2	0.0	0.3	0.7	0.0	0.0	0.0	0.2	4.3
5 - 10 mph	30.9	41.0	318.4	93.0	217,296.6	159,330.2	12.4	6.3	0.9	0.0	1.3	2.8	0.1	0.1	0.0	1.1	16.9
10 - 15 mph	79.9	107.1	1,130.8	312.6	706,642.1	518,590.4	49.7	23.9	2.3	0.1	3.0	6.6	0.4	0.4	0.1	4.0	37.7
15 - 20 mph	114.7	157.0	2,259.3	591.7	1,296,470.2	950,409.9	110.5	51.4	3.4	0.1	3.4	7.8	0.6	0.6	0.1	7.8	41.1
20 - 25 mph	187.7	253.9	4,177.5	1,099.7	2,241,371.6	1,649,414.8	221.5	100.7	5.5	0.2	5.9	13.4	1.0	0.9	0.2	14.6	72.6
25 - 30 mph	286.8	384.8	7,021.7	1,872.9	3,606,122.0	2,662,511.4	402.9	180.7	8.3	0.3	9.4	21.1	1.6	1.3	0.3	25.5	116.0
30 - 35 mph	260.5	347.1	6,823.0	1,858.1	3,430,897.3	2,539,347.9	421.9	187.8	7.5	0.3	8.6	19.4	1.4	1.1	0.3	26.6	106.5
35 - 40 mph	132.9	176.2	3,640.7	1,011.5	1,825,165.2	1,352,446.7	239.6	106.4	3.9	0.1	4.3	9.8	0.7	0.5	0.1	15.6	53.2
40 - 45 mph	139.0	183.7	3,871.5	1,110.8	1,975,544.3	1,464,031.8	269.4	119.9	4.0	0.2	4.4	9.9	0.8	0.6	0.2	18.7	53.1
45 - 50 mph	145.8	192.3	4,002.2	1,203.9	2,119,654.4	1,569,478.7	292.1	130.9	4.3	0.2	4.3	9.9	0.8	0.6	0.2	22.2	51.7
50 - 55 mph	125.9	165.8	3,287.6	1,058.6	1,838,803.2	1,359,454.0	249.8	113.1	3.7	0.2	3.4	8.0	0.7	0.5	0.2	21.0	40.6
55 - 60 mph	119.3	156.5	2,867.6	1,001.1	1,708,953.6	1,260,842.4	223.0	102.3	3.6	0.2	3.0	7.1	0.7	0.5	0.2	21.0	34.0
60 - 65 mph	171.8	224.7	3,749.2	1,331.6	2,373,123.7	1,745,222.7	286.8	133.6	5.2	0.2	3.8	9.3	1.1	0.7	0.2	30.3	42.2
65 - 70 mph	231.5	298.3	4,728.3	1,612.2	2,922,100.6	2,149,719.3	334.5	158.3	7.0	0.3	4.6	11.6	1.5	0.9	0.3	39.6	49.0
70 - 75 mph	0.1	0.2	2.6	0.9	1,627.7	1,197.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2,034.0	2,698.0	47,936.4	14,176.0	26,306,757.5	19,413,338.3	3,116.4	1,416.4	59.7	2.4	59.8	137.2	11.6	8.6	2.2	248.3	718.9

2025 LRT - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	7,726
5 - 10 mph	78,583
10 - 15 mph	351,018
15 - 20 mph	835,021
20 - 25 mph	1,674,976
25 - 30 mph	3,271,773
30 - 35 mph	3,443,282
35 - 40 mph	1,773,773
40 - 45 mph	2,295,173
45 - 50 mph	2,318,019
50 - 55 mph	1,996,973
55 - 60 mph	1,712,005
60 - 65 mph	2,244,893
65 - 70 mph	2,555,119
70 - 75 mph	1,540
75 - 80 mph	0

2025 LRT - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCF5)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	4.2	5.6	32.8	10.2	25,130.7	18,323.0	1.2	0.6	0.1	0.0	0.2	0.4	0.0	0.0	0.0	0.1	2.5
5 - 10 mph	27.7	36.7	285.0	83.2	194,543.1	142,646.5	11.1	5.6	0.8	0.0	1.2	2.5	0.1	0.1	0.0	1.0	15.1
10 - 15 mph	75.9	101.8	1,074.6	297.1	671,543.9	492,832.5	47.2	22.7	2.2	0.1	2.8	6.2	0.4	0.3	0.1	3.8	35.8
15 - 20 mph	112.4	153.9	2,214.0	579.8	1,270,474.2	931,352.8	108.3	50.3	3.3	0.1	3.3	7.6	0.6	0.6	0.1	7.7	40.3
20 - 25 mph	180.1	243.6	4,008.5	1,055.2	2,150,655.2	1,582,657.1	212.5	96.6	5.3	0.2	5.7	12.9	1.0	0.8	0.2	14.0	69.7
25 - 30 mph	291.7	391.3	7,140.7	1,904.6	3,667,256.2	2,707,648.6	409.7	183.7	8.5	0.3	9.5	21.5	1.6	1.3	0.3	25.9	117.9
30 - 35 mph	264.4	352.3	6,926.1	1,886.2	3,482,761.0	2,577,734.4	428.3	190.6	7.7	0.3	8.7	19.7	1.4	1.1	0.3	27.0	108.1
35 - 40 mph	122.1	161.9	3,346.3	929.7	1,677,568.8	1,243,077.9	220.2	97.8	3.5	0.1	4.0	9.0	0.7	0.5	0.1	14.3	48.9
40 - 45 mph	147.4	194.8	4,105.2	1,177.8	2,094,815.0	1,552,420.7	285.6	127.2	4.3	0.2	4.6	10.5	0.8	0.6	0.2	19.9	56.3
45 - 50 mph	144.8	191.1	3,975.7	1,195.9	2,105,592.8	1,559,066.9	290.2	130.0	4.2	0.2	4.3	9.8	0.8	0.6	0.2	22.0	51.4
50 - 55 mph	127.2	167.5	3,321.1	1,069.4	1,857,538.8	1,373,305.5	252.4	114.2	3.8	0.2	3.5	8.1	0.7	0.5	0.2	21.3	41.0
55 - 60 mph	117.2	153.8	2,817.5	983.6	1,679,094.3	1,238,812.7	219.1	100.5	3.5	0.2	2.9	6.9	0.7	0.5	0.2	20.7	33.5
60 - 65 mph	174.9	228.7	3,815.8	1,355.3	2,415,314.4	1,776,250.2	291.9	136.0	5.3	0.2	3.9	9.5	1.1	0.7	0.2	30.9	43.0
65 - 70 mph	233.9	301.4	4,777.0	1,628.7	2,952,149.4	2,171,825.5	337.9	160.0	7.1	0.3	4.7	11.7	1.5	0.9	0.3	40.1	49.5
70 - 75 mph	0.1	0.2	2.9	1.0	1,779.1	1,308.8	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	2,024.1	2,684.3	47,843.1	14,157.8	26,246,217.0	19,369,263.1	3,116.0	1,416.0	59.4	2.4	59.3	136.3	11.6	8.6	2.2	248.5	712.9

2025 Dual Bore with Tolls - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	4,197
5 - 10 mph	54,665
10 - 15 mph	235,624
15 - 20 mph	633,391
20 - 25 mph	1,457,010
25 - 30 mph	3,227,972
30 - 35 mph	3,295,831
35 - 40 mph	1,997,428
40 - 45 mph	2,377,688
45 - 50 mph	2,839,725
50 - 55 mph	2,333,948
55 - 60 mph	1,797,576
60 - 65 mph	1,986,893
65 - 70 mph	2,676,422
70 - 75 mph	2,116
75 - 80 mph	0

2025 Dual Bore with Tolls - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.3	3.0	17.8	5.6	13,651.9	9,953.7	0.6	0.3	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.1	1.4
5 - 10 mph	19.2	25.5	198.3	57.9	135,331.5	99,230.3	7.7	3.9	0.5	0.0	0.8	1.8	0.1	0.1	0.0	0.7	10.5
10 - 15 mph	50.9	68.3	721.3	199.4	450,780.3	330,818.6	31.7	15.2	1.5	0.1	1.9	4.2	0.3	0.2	0.0	2.5	24.0
15 - 20 mph	85.3	116.7	1,679.4	439.8	963,696.4	706,461.7	82.1	38.2	2.5	0.1	2.5	5.8	0.5	0.4	0.1	5.8	30.6
20 - 25 mph	156.6	211.9	3,486.8	917.9	1,870,788.6	1,376,704.5	184.9	84.1	4.6	0.2	4.9	11.2	0.9	0.7	0.2	12.2	60.6
25 - 30 mph	287.8	386.1	7,045.1	1,879.1	3,618,161.0	2,671,400.2	404.2	181.3	8.4	0.3	9.4	21.2	1.6	1.3	0.3	25.5	116.4
30 - 35 mph	253.1	337.2	6,629.5	1,805.4	3,333,619.4	2,467,348.5	409.9	182.5	7.3	0.3	8.4	18.8	1.4	1.1	0.3	25.8	103.5
35 - 40 mph	137.5	182.3	3,768.3	1,046.9	1,889,093.2	1,399,817.4	248.0	110.2	4.0	0.2	4.5	10.1	0.8	0.6	0.1	16.2	55.1
40 - 45 mph	152.7	201.8	4,252.8	1,220.2	2,170,127.1	1,608,232.8	295.9	131.8	4.4	0.2	4.8	10.9	0.9	0.6	0.2	20.6	58.3
45 - 50 mph	177.4	234.1	4,870.5	1,465.1	2,579,489.2	1,909,959.2	355.5	159.3	5.2	0.2	5.2	12.0	1.0	0.7	0.2	27.0	62.9
50 - 55 mph	148.7	195.8	3,881.5	1,249.8	2,170,985.9	1,605,041.5	295.0	133.5	4.4	0.2	4.1	9.5	0.9	0.6	0.2	24.8	47.9
55 - 60 mph	123.1	161.5	2,958.3	1,032.8	1,763,021.0	1,300,732.6	230.1	105.5	3.7	0.2	3.1	7.3	0.7	0.5	0.2	21.7	35.1
60 - 65 mph	154.8	202.4	3,377.3	1,199.5	2,137,728.5	1,572,110.3	258.4	120.4	4.7	0.2	3.5	8.4	1.0	0.6	0.2	27.3	38.0
65 - 70 mph	245.0	315.7	5,003.7	1,706.1	3,092,301.3	2,274,931.9	354.0	167.6	7.4	0.3	4.9	12.2	1.6	0.9	0.3	42.0	51.8
70 - 75 mph	0.2	0.2	4.0	1.3	2,445.0	1,798.7	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1,994.7	2,642.5	47,894.5	14,226.8	26,191,220.4	19,334,541.9	3,158.3	1,433.7	58.6	2.4	58.0	133.5	11.4	8.4	2.2	252.2	696.2

2025 Dual Bore No Tolls - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	3,895
5 - 10 mph	43,684
10 - 15 mph	253,779
15 - 20 mph	607,840
20 - 25 mph	1,368,979
25 - 30 mph	3,209,630
30 - 35 mph	3,337,483
35 - 40 mph	2,138,820
40 - 45 mph	2,526,207
45 - 50 mph	2,664,998
50 - 55 mph	2,325,287
55 - 60 mph	1,737,700
60 - 65 mph	1,977,351
65 - 70 mph	2,707,818
70 - 75 mph	1,289
75 - 80 mph	0

2025 Dual Bore No Tolls - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.1	2.8	16.5	5.2	12,668.4	9,236.6	0.6	0.3	0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.1	1.3
5 - 10 mph	15.4	20.4	158.4	46.3	108,144.4	79,295.6	6.2	3.1	0.4	0.0	0.7	1.4	0.1	0.1	0.0	0.6	8.4
10 - 15 mph	54.9	73.6	776.9	214.8	485,514.3	356,309.2	34.1	16.4	1.6	0.1	2.0	4.5	0.3	0.2	0.0	2.7	25.9
15 - 20 mph	81.8	112.0	1,611.7	422.1	924,821.1	677,963.2	78.8	36.6	2.4	0.1	2.4	5.5	0.5	0.4	0.1	5.6	29.3
20 - 25 mph	147.2	199.1	3,276.2	862.4	1,757,756.7	1,293,524.8	173.7	79.0	4.3	0.2	4.6	10.5	0.8	0.7	0.1	11.4	57.0
25 - 30 mph	286.1	383.9	7,005.1	1,868.5	3,597,602.1	2,656,220.9	401.9	180.2	8.3	0.3	9.4	21.1	1.6	1.3	0.3	25.4	115.7
30 - 35 mph	256.3	341.5	6,713.3	1,828.3	3,375,749.2	2,498,530.5	415.1	184.8	7.4	0.3	8.5	19.1	1.4	1.1	0.3	26.2	104.8
35 - 40 mph	147.3	195.2	4,035.0	1,121.0	2,022,817.0	1,498,906.7	265.5	118.0	4.3	0.2	4.8	10.8	0.8	0.6	0.2	17.3	59.0
40 - 45 mph	162.2	214.4	4,518.4	1,296.4	2,305,681.4	1,708,689.1	314.4	140.0	4.7	0.2	5.1	11.5	0.9	0.7	0.2	21.8	61.9
45 - 50 mph	166.5	219.7	4,570.8	1,374.9	2,420,774.4	1,792,440.3	333.6	149.5	4.9	0.2	4.9	11.3	1.0	0.7	0.2	25.3	59.1
50 - 55 mph	148.1	195.0	3,867.1	1,245.2	2,162,929.5	1,599,085.3	293.9	133.0	4.4	0.2	4.1	9.4	0.9	0.6	0.2	24.8	47.7
55 - 60 mph	119.0	156.1	2,859.7	998.4	1,704,295.6	1,257,405.8	222.4	102.0	3.6	0.2	3.0	7.0	0.7	0.5	0.2	21.0	34.0
60 - 65 mph	154.0	201.4	3,361.1	1,193.8	2,127,462.5	1,564,560.6	257.1	119.8	4.6	0.2	3.4	8.4	1.0	0.6	0.2	27.2	37.9
65 - 70 mph	247.9	319.4	5,062.4	1,726.1	3,128,574.9	2,301,617.5	358.1	169.5	7.5	0.3	5.0	12.4	1.6	0.9	0.3	42.4	52.4
70 - 75 mph	0.1	0.2	2.4	0.8	1,489.2	1,095.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1,989.0	2,634.6	47,835.0	14,204.0	26,136,280.8	19,294,881.7	3,155.8	1,432.3	58.4	2.4	57.9	133.1	11.4	8.4	2.2	251.8	694.3

2025 Dual Bore without Trucks - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	5,146
5 - 10 mph	43,143
10 - 15 mph	252,457
15 - 20 mph	617,119
20 - 25 mph	1,389,230
25 - 30 mph	3,182,529
30 - 35 mph	3,315,575
35 - 40 mph	1,988,300
40 - 45 mph	2,700,891
45 - 50 mph	2,642,513
50 - 55 mph	2,314,318
55 - 60 mph	1,812,801
60 - 65 mph	1,957,092
65 - 70 mph	2,721,245
70 - 75 mph	2,121
75 - 80 mph	0

2025 Dual Bore without Trucks - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.8	3.7	21.8	6.8	16,740.3	12,205.5	0.8	0.4	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.1	1.7
5 - 10 mph	15.2	20.1	156.5	45.7	106,804.9	78,313.5	6.1	3.1	0.4	0.0	0.6	1.4	0.1	0.1	0.0	0.5	8.3
10 - 15 mph	54.6	73.2	772.9	213.6	482,985.1	354,453.0	33.9	16.3	1.6	0.1	2.0	4.5	0.3	0.2	0.0	2.7	25.7
15 - 20 mph	83.1	113.7	1,636.3	428.5	938,938.9	688,312.6	80.0	37.2	2.4	0.1	2.4	5.6	0.5	0.4	0.1	5.7	29.8
20 - 25 mph	149.4	202.1	3,324.6	875.2	1,783,759.2	1,312,660.0	176.3	80.1	4.4	0.2	4.7	10.7	0.8	0.7	0.1	11.6	57.8
25 - 30 mph	283.7	380.6	6,945.9	1,852.7	3,567,225.4	2,633,792.8	398.6	178.7	8.2	0.3	9.3	20.9	1.6	1.3	0.3	25.2	114.7
30 - 35 mph	254.6	339.2	6,669.2	1,816.3	3,353,590.2	2,482,129.8	412.4	183.6	7.4	0.3	8.4	18.9	1.4	1.1	0.3	26.0	104.1
35 - 40 mph	136.9	181.5	3,751.0	1,042.1	1,880,460.2	1,393,420.3	246.9	109.7	4.0	0.2	4.5	10.0	0.8	0.6	0.1	16.1	54.8
40 - 45 mph	173.4	229.2	4,830.9	1,386.0	2,465,116.0	1,826,842.5	336.1	149.7	5.0	0.2	5.4	12.3	1.0	0.7	0.2	23.4	66.2
45 - 50 mph	165.1	217.8	4,532.2	1,363.3	2,400,350.1	1,777,317.3	330.8	148.3	4.8	0.2	4.9	11.2	0.9	0.7	0.2	25.1	58.6
50 - 55 mph	147.4	194.1	3,848.8	1,239.3	2,152,726.1	1,591,541.7	292.5	132.4	4.4	0.2	4.0	9.4	0.9	0.6	0.2	24.6	47.5
55 - 60 mph	124.1	162.8	2,983.3	1,041.5	1,777,952.9	1,311,749.2	232.0	106.4	3.7	0.2	3.1	7.3	0.8	0.5	0.2	21.9	35.4
60 - 65 mph	152.5	199.3	3,326.6	1,181.5	2,105,665.1	1,548,530.5	254.5	118.5	4.6	0.2	3.4	8.3	0.9	0.6	0.2	26.9	37.5
65 - 70 mph	249.1	321.0	5,087.5	1,734.6	3,144,088.3	2,313,030.4	359.9	170.4	7.5	0.3	5.0	12.4	1.6	0.9	0.3	42.7	52.7
70 - 75 mph	0.2	0.3	4.0	1.4	2,450.7	1,802.9	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1,992.1	2,638.7	47,891.7	14,228.7	26,178,853.5	19,326,102.0	3,161.1	1,434.8	58.5	2.4	57.9	133.3	11.4	8.4	2.2	252.5	694.9

2025 Single Bore with Tolls and Express Bus - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	4,882
5 - 10 mph	62,349
10 - 15 mph	269,866
15 - 20 mph	680,079
20 - 25 mph	1,554,248
25 - 30 mph	3,309,443
30 - 35 mph	3,420,593
35 - 40 mph	1,904,271
40 - 45 mph	2,091,293
45 - 50 mph	2,707,182
50 - 55 mph	2,195,011
55 - 60 mph	1,855,096
60 - 65 mph	1,952,088
65 - 70 mph	2,678,148
70 - 75 mph	1,986
75 - 80 mph	0

2025 Single Bore with Tolls and Express Bus - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCF5)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.7	3.5	20.7	6.5	15,880.9	11,578.9	0.7	0.4	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.1	1.6
5 - 10 mph	21.9	29.1	226.1	66.0	154,353.9	113,178.2	8.8	4.5	0.6	0.0	0.9	2.0	0.1	0.1	0.0	0.8	12.0
10 - 15 mph	58.3	78.2	826.2	228.4	516,289.5	378,894.5	36.3	17.5	1.7	0.1	2.2	4.8	0.3	0.3	0.0	2.9	27.5
15 - 20 mph	91.5	125.3	1,803.2	472.3	1,034,731.6	758,535.9	88.2	41.0	2.7	0.1	2.7	6.2	0.5	0.5	0.1	6.3	32.8
20 - 25 mph	167.1	226.1	3,719.5	979.1	1,995,640.8	1,468,582.6	197.2	89.7	4.9	0.2	5.3	11.9	0.9	0.8	0.2	13.0	64.7
25 - 30 mph	295.0	395.8	7,222.9	1,926.6	3,709,480.0	2,738,823.8	414.4	185.8	8.6	0.3	9.6	21.7	1.6	1.3	0.3	26.2	119.3
30 - 35 mph	262.7	350.0	6,880.5	1,873.8	3,459,812.3	2,560,749.1	425.5	189.4	7.6	0.3	8.7	19.5	1.4	1.1	0.3	26.8	107.4
35 - 40 mph	131.1	173.8	3,592.5	998.1	1,800,989.0	1,334,532.2	236.4	105.0	3.8	0.1	4.3	9.6	0.7	0.5	0.1	15.4	52.5
40 - 45 mph	134.3	177.5	3,740.5	1,073.2	1,908,733.5	1,414,519.8	260.2	115.9	3.9	0.2	4.2	9.5	0.8	0.6	0.2	18.1	51.3
45 - 50 mph	169.1	223.1	4,643.2	1,396.7	2,459,093.1	1,820,813.0	338.9	151.9	5.0	0.2	5.0	11.5	1.0	0.7	0.2	25.7	60.0
50 - 55 mph	139.8	184.1	3,650.4	1,175.4	2,041,749.6	1,509,495.2	277.4	125.5	4.1	0.2	3.8	8.9	0.8	0.6	0.2	23.4	45.0
55 - 60 mph	127.0	166.6	3,052.9	1,065.8	1,819,434.6	1,342,353.8	237.4	108.9	3.8	0.2	3.2	7.5	0.8	0.5	0.2	22.4	36.2
60 - 65 mph	152.1	198.8	3,318.1	1,178.5	2,100,281.5	1,544,571.4	253.9	118.2	4.6	0.2	3.4	8.2	0.9	0.6	0.2	26.8	37.4
65 - 70 mph	245.2	315.9	5,007.0	1,707.2	3,094,294.9	2,276,398.5	354.2	167.7	7.4	0.3	4.9	12.2	1.6	0.9	0.3	42.0	51.9
70 - 75 mph	0.2	0.2	3.7	1.3	2,294.5	1,688.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1,998.2	2,648.1	47,707.5	14,148.8	26,113,059.7	19,274,714.9	3,129.9	1,421.4	58.7	2.4	58.3	134.0	11.4	8.4	2.2	249.8	699.6

2025 Single Bore with Tolls - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	4,728
5 - 10 mph	61,487
10 - 15 mph	258,193
15 - 20 mph	661,972
20 - 25 mph	1,592,876
25 - 30 mph	3,311,233
30 - 35 mph	3,354,395
35 - 40 mph	1,955,586
40 - 45 mph	2,204,090
45 - 50 mph	2,677,685
50 - 55 mph	2,093,982
55 - 60 mph	1,868,618
60 - 65 mph	1,991,719
65 - 70 mph	2,645,692
70 - 75 mph	1,997
75 - 80 mph	0

2025 Single Bore with Tolls - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCF5)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.6	3.4	20.1	6.3	15,379.1	11,213.0	0.7	0.4	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.1	1.5
5 - 10 mph	21.6	28.7	223.0	65.1	152,218.1	111,612.2	8.7	4.4	0.6	0.0	0.9	2.0	0.1	0.1	0.0	0.8	11.8
10 - 15 mph	55.8	74.9	790.4	218.5	493,957.8	362,505.6	34.7	16.7	1.6	0.1	2.1	4.6	0.3	0.2	0.0	2.8	26.3
15 - 20 mph	89.1	122.0	1,755.2	459.7	1,007,182.5	738,340.3	85.9	39.9	2.6	0.1	2.6	6.0	0.5	0.4	0.1	6.1	31.9
20 - 25 mph	171.2	231.7	3,812.0	1,003.5	2,045,238.7	1,505,081.5	202.1	91.9	5.0	0.2	5.4	12.2	0.9	0.8	0.2	13.3	66.3
25 - 30 mph	295.2	396.0	7,226.8	1,927.6	3,711,486.8	2,740,305.5	414.7	185.9	8.6	0.3	9.7	21.8	1.6	1.3	0.3	26.2	119.4
30 - 35 mph	257.6	343.2	6,747.3	1,837.5	3,392,854.4	2,511,190.8	417.2	185.7	7.5	0.3	8.5	19.2	1.4	1.1	0.3	26.3	105.3
35 - 40 mph	134.7	178.5	3,689.3	1,025.0	1,849,521.0	1,370,494.4	242.8	107.9	3.9	0.2	4.4	9.9	0.7	0.6	0.1	15.8	53.9
40 - 45 mph	141.5	187.0	3,942.3	1,131.1	2,011,683.7	1,490,813.9	274.3	122.1	4.1	0.2	4.4	10.1	0.8	0.6	0.2	19.1	54.0
45 - 50 mph	167.3	220.7	4,592.6	1,381.5	2,432,298.9	1,800,973.5	335.2	150.2	4.9	0.2	4.9	11.3	1.0	0.7	0.2	25.4	59.4
50 - 55 mph	133.4	175.6	3,482.4	1,121.3	1,947,774.2	1,440,017.8	264.6	119.8	3.9	0.2	3.7	8.5	0.8	0.5	0.2	22.3	43.0
55 - 60 mph	127.9	167.8	3,075.2	1,073.6	1,832,697.0	1,352,138.6	239.2	109.7	3.8	0.2	3.2	7.6	0.8	0.5	0.2	22.6	36.5
60 - 65 mph	155.2	202.9	3,385.5	1,202.4	2,142,920.8	1,575,928.8	259.0	120.6	4.7	0.2	3.5	8.4	1.0	0.6	0.2	27.4	38.1
65 - 70 mph	242.2	312.0	4,946.3	1,686.5	3,056,796.2	2,248,811.6	349.9	165.6	7.3	0.3	4.9	12.1	1.5	0.9	0.3	41.5	51.2
70 - 75 mph	0.2	0.2	3.7	1.3	2,307.1	1,697.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1,995.6	2,644.7	47,692.1	14,140.8	26,094,316.2	19,261,124.8	3,129.3	1,421.0	58.6	2.4	58.2	133.8	11.4	8.4	2.2	249.6	698.8

2025 Single Bore with Tolls Without Trucks - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	5,236
5 - 10 mph	54,647
10 - 15 mph	268,975
15 - 20 mph	621,918
20 - 25 mph	1,620,524
25 - 30 mph	3,291,752
30 - 35 mph	3,359,883
35 - 40 mph	1,963,797
40 - 45 mph	2,207,669
45 - 50 mph	2,622,996
50 - 55 mph	2,170,420
55 - 60 mph	1,882,515
60 - 65 mph	1,986,789
65 - 70 mph	2,645,054
70 - 75 mph	2,222
75 - 80 mph	0

2025 Single Bore with Tolls Without Trucks - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.9	3.8	22.2	6.9	17,032.1	12,418.2	0.8	0.4	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.1	1.7
5 - 10 mph	19.2	25.5	198.2	57.9	135,285.7	99,196.7	7.7	3.9	0.5	0.0	0.8	1.8	0.1	0.1	0.0	0.7	10.5
10 - 15 mph	58.1	78.0	823.4	227.6	514,584.7	377,643.3	36.2	17.4	1.7	0.1	2.2	4.8	0.3	0.3	0.0	2.9	27.4
15 - 20 mph	83.7	114.6	1,649.0	431.9	946,240.5	693,665.3	80.7	37.5	2.5	0.1	2.5	5.7	0.5	0.4	0.1	5.7	30.0
20 - 25 mph	174.2	235.7	3,878.1	1,020.9	2,080,738.4	1,531,205.6	205.6	93.5	5.1	0.2	5.5	12.4	1.0	0.8	0.2	13.5	67.4
25 - 30 mph	293.4	393.7	7,184.3	1,916.3	3,689,650.9	2,724,183.3	412.2	184.8	8.5	0.3	9.6	21.6	1.6	1.3	0.3	26.1	118.7
30 - 35 mph	258.0	343.8	6,758.3	1,840.5	3,398,406.0	2,515,299.8	417.9	186.0	7.5	0.3	8.5	19.2	1.4	1.1	0.3	26.3	105.5
35 - 40 mph	135.2	179.3	3,704.8	1,029.3	1,857,286.6	1,376,248.6	243.8	108.3	3.9	0.2	4.4	9.9	0.7	0.6	0.1	15.9	54.2
40 - 45 mph	141.8	187.3	3,948.7	1,132.9	2,014,950.0	1,493,234.5	274.7	122.3	4.1	0.2	4.4	10.1	0.8	0.6	0.2	19.1	54.1
45 - 50 mph	163.9	216.2	4,498.8	1,353.3	2,382,621.4	1,764,190.2	328.4	147.2	4.8	0.2	4.8	11.1	0.9	0.7	0.2	24.9	58.1
50 - 55 mph	138.3	182.0	3,609.5	1,162.2	2,018,875.9	1,492,584.4	274.3	124.1	4.1	0.2	3.8	8.8	0.8	0.6	0.2	23.1	44.5
55 - 60 mph	128.9	169.1	3,098.1	1,081.6	1,846,326.6	1,362,194.4	241.0	110.5	3.8	0.2	3.2	7.6	0.8	0.5	0.2	22.7	36.8
60 - 65 mph	154.8	202.4	3,377.1	1,199.4	2,137,616.5	1,572,028.0	258.4	120.3	4.7	0.2	3.5	8.4	1.0	0.6	0.2	27.3	38.0
65 - 70 mph	242.2	312.0	4,945.1	1,686.1	3,056,058.1	2,248,268.6	349.8	165.6	7.3	0.3	4.9	12.1	1.5	0.9	0.3	41.5	51.2
70 - 75 mph	0.2	0.3	4.2	1.4	2,567.2	1,888.6	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1,994.8	2,643.6	47,699.8	14,148.2	26,098,240.5	19,264,249.4	3,131.8	1,422.0	58.6	2.4	58.2	133.8	11.4	8.4	2.2	249.8	698.3

2035 No Build - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	12,786
5 - 10 mph	118,708
10 - 15 mph	414,445
15 - 20 mph	901,112
20 - 25 mph	1,798,676
25 - 30 mph	3,371,539
30 - 35 mph	3,448,585
35 - 40 mph	1,943,991
40 - 45 mph	2,355,587
45 - 50 mph	2,310,290
50 - 55 mph	1,901,137
55 - 60 mph	1,647,665
60 - 65 mph	2,065,562
65 - 70 mph	2,825,643
70 - 75 mph	3,187
75 - 80 mph	0
	25,118,913

2035 No Build - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	6.5	8.6	43.4	15.6	42,664.5	30,089.3	2.0	1.1	0.2	0.0	0.4	0.7	0.0	0.0	0.0	0.2	4.6
5 - 10 mph	38.1	50.4	341.7	114.8	302,205.8	214,727.7	17.0	8.6	1.1	0.0	2.0	4.1	0.2	0.2	0.0	1.5	25.5
10 - 15 mph	79.0	106.1	1,005.3	317.0	816,367.7	580,779.5	56.5	27.2	2.3	0.1	3.6	7.7	0.4	0.4	0.1	4.5	46.5
15 - 20 mph	101.7	140.4	1,889.2	556.3	1,410,534.9	1,002,001.1	118.6	55.1	3.0	0.1	3.7	8.3	0.6	0.6	0.1	8.4	46.4
20 - 25 mph	165.4	224.5	3,429.2	1,005.3	2,381,942.0	1,700,872.6	231.7	105.4	4.9	0.2	6.4	14.1	0.9	0.9	0.2	15.5	80.4
25 - 30 mph	261.3	350.2	5,899.7	1,731.3	3,906,374.4	2,801,685.1	429.0	192.7	7.6	0.3	10.4	22.7	1.4	1.4	0.3	28.0	130.9
30 - 35 mph	233.2	309.4	5,589.1	1,652.2	3,611,009.2	2,598,197.4	436.2	194.7	6.8	0.2	9.3	20.3	1.2	1.1	0.3	28.8	116.8
35 - 40 mph	118.8	156.6	2,967.1	882.3	1,904,583.0	1,372,467.0	245.7	109.5	3.4	0.1	4.6	10.1	0.6	0.6	0.1	17.0	57.8
40 - 45 mph	135.0	177.3	3,419.9	1,034.4	2,226,730.2	1,604,831.0	298.7	133.7	3.9	0.1	5.0	11.1	0.7	0.6	0.2	22.2	62.2
45 - 50 mph	129.6	169.8	3,230.9	1,005.9	2,172,795.2	1,564,090.8	295.1	133.1	3.8	0.1	4.5	10.0	0.7	0.6	0.2	24.2	55.0
50 - 55 mph	109.7	142.9	2,587.7	846.3	1,827,454.7	1,312,903.7	245.5	111.9	3.2	0.1	3.5	7.9	0.6	0.5	0.2	22.4	41.7
55 - 60 mph	103.2	133.6	2,238.5	773.2	1,668,003.2	1,194,935.7	215.8	99.8	3.1	0.1	2.9	6.8	0.6	0.5	0.2	22.1	34.3
60 - 65 mph	148.6	191.5	2,929.2	1,012.4	2,288,473.5	1,632,372.9	275.3	129.5	4.5	0.2	3.7	8.8	0.9	0.7	0.2	31.7	42.0
65 - 70 mph	242.3	307.7	4,482.8	1,457.2	3,361,920.9	2,398,738.1	383.8	183.7	7.3	0.3	5.4	13.1	1.5	1.0	0.3	49.7	58.1
70 - 75 mph	0.3	0.3	5.1	1.6	3,791.9	2,705.5	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Total	1,872.8	2,469.3	40,058.8	12,405.9	27,924,850.9	20,011,397.4	3,251.4	1,486.2	55.1	2.1	65.3	145.7	10.4	9.1	2.4	276.3	802.5

2035 TSMTDM - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	7,223
5 - 10 mph	113,599
10 - 15 mph	384,534
15 - 20 mph	842,308
20 - 25 mph	1,861,145
25 - 30 mph	3,307,352
30 - 35 mph	3,494,928
35 - 40 mph	2,140,610
40 - 45 mph	2,267,323
45 - 50 mph	2,246,419
50 - 55 mph	1,950,410
55 - 60 mph	1,669,215
60 - 65 mph	2,090,672
65 - 70 mph	2,811,895
70 - 75 mph	2,555
75 - 80 mph	0

2035 TSMTDM - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	3.7	4.9	24.5	8.8	24,102.1	16,998.1	1.1	0.6	0.1	0.0	0.2	0.4	0.0	0.0	0.0	0.1	2.6
5 - 10 mph	36.5	48.2	327.0	109.9	289,199.3	205,486.0	16.3	8.2	1.0	0.0	1.9	3.9	0.2	0.2	0.0	1.4	24.4
10 - 15 mph	73.3	98.4	932.8	294.1	757,449.4	538,864.0	52.4	25.2	2.1	0.1	3.3	7.2	0.4	0.4	0.1	4.1	43.2
15 - 20 mph	95.1	131.3	1,765.9	520.0	1,318,487.1	936,613.2	110.8	51.5	2.8	0.1	3.5	7.7	0.5	0.6	0.1	7.9	43.4
20 - 25 mph	171.1	232.3	3,548.3	1,040.2	2,464,668.7	1,759,945.2	239.8	109.1	5.0	0.2	6.6	14.6	0.9	1.0	0.2	16.1	83.1
25 - 30 mph	256.3	343.5	5,787.4	1,698.3	3,832,005.5	2,748,347.1	420.9	189.0	7.5	0.3	10.2	22.3	1.4	1.3	0.3	27.5	128.4
30 - 35 mph	236.3	313.5	5,664.2	1,674.4	3,659,534.5	2,633,112.4	442.1	197.3	6.9	0.2	9.4	20.5	1.2	1.2	0.3	29.2	118.4
35 - 40 mph	130.8	172.5	3,267.2	971.5	2,097,216.1	1,511,280.8	270.5	120.6	3.8	0.1	5.1	11.1	0.7	0.6	0.2	18.7	63.7
40 - 45 mph	130.0	170.7	3,291.7	995.7	2,143,294.1	1,544,697.6	287.5	128.7	3.8	0.1	4.8	10.6	0.7	0.6	0.2	21.4	59.9
45 - 50 mph	126.1	165.1	3,141.6	978.1	2,112,725.4	1,520,849.5	287.0	129.4	3.7	0.1	4.4	9.7	0.7	0.6	0.2	23.5	53.5
50 - 55 mph	112.5	146.6	2,654.8	868.3	1,874,818.2	1,346,931.2	251.8	114.8	3.3	0.1	3.6	8.1	0.6	0.5	0.2	23.0	42.8
55 - 60 mph	104.5	135.4	2,267.8	783.3	1,689,819.4	1,210,564.6	218.6	101.1	3.1	0.1	3.0	6.9	0.6	0.5	0.2	22.4	34.7
60 - 65 mph	150.4	193.8	2,964.8	1,024.7	2,316,293.8	1,652,217.2	278.7	131.1	4.5	0.2	3.8	8.9	0.9	0.7	0.2	32.1	42.6
65 - 70 mph	241.2	306.2	4,461.0	1,450.1	3,345,564.0	2,387,067.4	381.9	182.8	7.3	0.3	5.4	13.0	1.5	1.0	0.3	49.4	57.8
70 - 75 mph	0.2	0.3	4.1	1.3	3,039.8	2,168.9	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total	1,868.0	2,462.5	40,103.1	12,418.7	27,928,217.3	20,015,143.3	3,259.8	1,489.6	55.0	2.1	65.0	145.1	10.4	9.1	2.4	276.9	798.6

2035 BRT - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	6,407
5 - 10 mph	122,894
10 - 15 mph	381,666
15 - 20 mph	855,281
20 - 25 mph	1,850,028
25 - 30 mph	3,328,750
30 - 35 mph	3,503,889
35 - 40 mph	2,132,360
40 - 45 mph	2,159,139
45 - 50 mph	2,349,188
50 - 55 mph	1,885,012
55 - 60 mph	1,731,543
60 - 65 mph	2,050,545
65 - 70 mph	2,813,719
70 - 75 mph	2,640
75 - 80 mph	0

2035 BRT - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	3.3	4.3	21.7	7.8	21,379.0	15,077.6	1.0	0.5	0.1	0.0	0.2	0.4	0.0	0.0	0.0	0.1	2.3
5 - 10 mph	39.4	52.1	353.8	118.9	312,861.9	222,299.2	17.6	8.9	1.1	0.0	2.0	4.3	0.2	0.2	0.0	1.5	26.4
10 - 15 mph	72.7	97.7	925.8	291.9	751,799.9	534,844.8	52.0	25.0	2.1	0.1	3.3	7.1	0.4	0.4	0.1	4.1	42.9
15 - 20 mph	96.6	133.3	1,793.1	528.0	1,338,793.9	951,038.5	112.5	52.3	2.9	0.1	3.5	7.9	0.5	0.6	0.1	8.0	44.1
20 - 25 mph	170.1	230.9	3,527.2	1,034.0	2,449,946.7	1,749,432.7	238.4	108.5	5.0	0.2	6.6	14.5	0.9	1.0	0.2	16.0	82.6
25 - 30 mph	258.0	345.8	5,824.9	1,709.3	3,856,797.6	2,766,128.2	423.6	190.3	7.5	0.3	10.2	22.4	1.4	1.3	0.3	27.7	129.2
30 - 35 mph	236.9	314.3	5,678.8	1,678.7	3,668,918.4	2,639,864.3	443.2	197.8	6.9	0.2	9.4	20.6	1.3	1.2	0.3	29.3	118.7
35 - 40 mph	130.3	171.8	3,254.6	967.8	2,089,133.1	1,505,456.1	269.5	120.2	3.8	0.1	5.1	11.1	0.7	0.6	0.2	18.6	63.4
40 - 45 mph	123.8	162.5	3,134.7	948.2	2,041,028.0	1,470,993.2	273.8	122.5	3.6	0.1	4.6	10.1	0.7	0.6	0.2	20.4	57.0
45 - 50 mph	131.8	172.6	3,285.3	1,022.8	2,209,377.9	1,590,425.0	300.1	135.3	3.9	0.2	4.6	10.2	0.7	0.6	0.2	24.6	55.9
50 - 55 mph	108.7	141.7	2,565.8	839.1	1,811,954.9	1,301,768.2	243.4	111.0	3.2	0.1	3.4	7.8	0.6	0.5	0.2	22.2	41.4
55 - 60 mph	108.5	140.4	2,352.4	812.6	1,752,916.5	1,255,766.6	226.8	104.9	3.2	0.1	3.1	7.1	0.6	0.5	0.2	23.3	36.0
60 - 65 mph	147.6	190.1	2,907.9	1,005.1	2,271,836.1	1,620,505.4	273.3	128.6	4.4	0.2	3.7	8.8	0.9	0.7	0.2	31.5	41.7
65 - 70 mph	241.3	306.4	4,463.9	1,451.1	3,347,734.4	2,388,616.0	382.1	183.0	7.3	0.3	5.4	13.0	1.5	1.0	0.3	49.4	57.9
70 - 75 mph	0.2	0.3	4.2	1.4	3,140.8	2,241.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total	1,869.2	2,464.2	40,093.9	12,416.6	27,927,619.2	20,014,456.8	3,257.8	1,488.8	55.0	2.1	65.1	145.3	10.4	9.1	2.4	276.8	799.7

2035 LRT - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	8,836
5 - 10 mph	105,939
10 - 15 mph	418,592
15 - 20 mph	831,679
20 - 25 mph	1,829,843
25 - 30 mph	3,414,702
30 - 35 mph	3,503,972
35 - 40 mph	2,251,368
40 - 45 mph	2,243,936
45 - 50 mph	2,236,870
50 - 55 mph	1,894,792
55 - 60 mph	1,602,932
60 - 65 mph	2,043,175
65 - 70 mph	2,773,858
70 - 75 mph	2,255
75 - 80 mph	0

2035 LRT - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	4.5	5.9	30.0	10.8	29,485.6	20,794.8	1.4	0.7	0.1	0.0	0.2	0.5	0.0	0.0	0.0	0.1	3.2
5 - 10 mph	34.0	44.9	305.0	102.5	269,697.4	191,629.3	15.2	7.6	0.9	0.0	1.7	3.7	0.2	0.2	0.0	1.3	22.8
10 - 15 mph	79.8	107.1	1,015.4	320.2	824,537.1	586,591.4	57.0	27.4	2.3	0.1	3.6	7.8	0.4	0.4	0.1	4.5	47.0
15 - 20 mph	93.9	129.6	1,743.6	513.4	1,301,850.0	924,794.7	109.4	50.9	2.8	0.1	3.4	7.6	0.5	0.6	0.1	7.8	42.9
20 - 25 mph	168.2	228.3	3,488.7	1,022.7	2,423,215.3	1,730,344.6	235.7	107.3	5.0	0.2	6.5	14.3	0.9	0.9	0.2	15.8	81.7
25 - 30 mph	264.7	354.7	5,975.3	1,753.5	3,956,384.5	2,837,552.8	434.5	195.2	7.7	0.3	10.5	23.0	1.4	1.4	0.3	28.4	132.6
30 - 35 mph	236.9	314.3	5,678.9	1,678.7	3,669,005.2	2,639,926.7	443.2	197.8	6.9	0.2	9.4	20.6	1.3	1.2	0.3	29.3	118.7
35 - 40 mph	137.5	181.4	3,436.2	1,021.8	2,205,728.6	1,589,476.3	284.5	126.9	4.0	0.1	5.3	11.7	0.7	0.7	0.2	19.7	67.0
40 - 45 mph	128.6	168.9	3,257.8	985.4	2,121,187.3	1,528,765.0	284.6	127.3	3.8	0.1	4.8	10.5	0.7	0.6	0.2	21.2	59.2
45 - 50 mph	125.5	164.4	3,128.2	973.9	2,103,744.3	1,514,384.5	285.7	128.8	3.7	0.1	4.3	9.7	0.7	0.6	0.2	23.4	53.2
50 - 55 mph	109.3	142.4	2,579.1	843.5	1,821,355.2	1,308,521.7	244.7	111.5	3.2	0.1	3.5	7.8	0.6	0.5	0.2	22.3	41.6
55 - 60 mph	100.4	130.0	2,177.7	752.2	1,622,717.6	1,162,493.8	210.0	97.1	3.0	0.1	2.9	6.6	0.6	0.5	0.2	21.5	33.4
60 - 65 mph	147.0	189.4	2,897.4	1,001.4	2,263,670.7	1,614,681.1	272.4	128.1	4.4	0.2	3.7	8.7	0.9	0.7	0.2	31.4	41.6
65 - 70 mph	237.9	302.1	4,400.6	1,430.5	3,300,307.8	2,354,777.1	376.7	180.4	7.2	0.3	5.3	12.8	1.5	1.0	0.3	48.7	57.1
70 - 75 mph	0.2	0.2	3.6	1.2	2,683.0	1,914.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1,868.5	2,463.8	40,117.5	12,411.7	27,915,569.8	20,006,648.0	3,255.4	1,487.2	55.0	2.1	65.3	145.6	10.4	9.1	2.4	275.5	802.0

2035 Dual Bore with Tolls - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	5,125
5 - 10 mph	73,928
10 - 15 mph	265,668
15 - 20 mph	755,997
20 - 25 mph	1,433,017
25 - 30 mph	3,282,993
30 - 35 mph	3,532,042
35 - 40 mph	2,094,669
40 - 45 mph	2,477,296
45 - 50 mph	2,905,383
50 - 55 mph	2,235,799
55 - 60 mph	1,659,082
60 - 65 mph	1,853,105
65 - 70 mph	2,953,279
70 - 75 mph	3,120
75 - 80 mph	0

2035 Dual Bore with Tolls - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.6	3.5	17.4	6.3	17,101.9	12,061.1	0.8	0.4	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.1	1.9
5 - 10 mph	23.7	31.4	212.8	71.5	188,204.8	133,726.0	10.6	5.3	0.7	0.0	1.2	2.6	0.1	0.1	0.0	0.9	15.9
10 - 15 mph	50.6	68.0	644.4	203.2	523,308.9	372,291.9	36.2	17.4	1.4	0.0	2.3	5.0	0.2	0.3	0.0	2.9	29.8
15 - 20 mph	85.4	117.8	1,585.0	466.7	1,183,382.2	840,638.7	99.5	46.2	2.5	0.1	3.1	6.9	0.5	0.5	0.1	7.1	39.0
20 - 25 mph	131.8	178.8	2,732.1	800.9	1,897,708.2	1,355,095.9	184.6	84.0	3.9	0.1	5.1	11.2	0.7	0.7	0.2	12.4	64.0
25 - 30 mph	254.5	341.0	5,744.8	1,685.8	3,803,782.0	2,728,105.0	417.8	187.6	7.4	0.3	10.1	22.1	1.3	1.3	0.3	27.3	127.5
30 - 35 mph	238.8	316.9	5,724.4	1,692.2	3,698,397.3	2,661,074.9	446.8	199.4	6.9	0.2	9.5	20.8	1.3	1.2	0.3	29.5	119.6
35 - 40 mph	128.0	168.8	3,197.1	950.7	2,052,206.2	1,478,846.1	264.7	118.0	3.7	0.1	5.0	10.9	0.7	0.6	0.2	18.3	62.3
40 - 45 mph	142.0	186.5	3,596.6	1,087.9	2,341,781.8	1,687,750.1	314.2	140.6	4.1	0.2	5.3	11.6	0.8	0.7	0.2	23.4	65.4
45 - 50 mph	163.0	213.5	4,063.1	1,265.0	2,732,471.4	1,966,974.9	371.1	167.3	4.8	0.2	5.6	12.6	0.9	0.8	0.2	30.4	69.2
50 - 55 mph	129.0	168.1	3,043.3	995.3	2,149,146.6	1,544,017.8	288.7	131.6	3.8	0.2	4.1	9.3	0.7	0.6	0.2	26.4	49.1
55 - 60 mph	103.9	134.6	2,254.0	778.6	1,679,561.0	1,203,215.6	217.3	100.5	3.1	0.1	3.0	6.8	0.6	0.5	0.2	22.3	34.5
60 - 65 mph	133.3	171.8	2,627.9	908.3	2,053,088.6	1,464,472.4	247.0	116.2	4.0	0.2	3.3	7.9	0.8	0.6	0.2	28.5	37.7
65 - 70 mph	253.3	321.6	4,685.3	1,523.0	3,513,780.6	2,507,090.4	401.1	192.0	7.6	0.4	5.6	13.7	1.6	1.0	0.4	51.9	60.8
70 - 75 mph	0.3	0.3	4.9	1.6	3,711.8	2,648.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Total	1,840.2	2,422.4	40,133.0	12,436.9	27,837,633.2	19,958,009.3	3,300.8	1,506.9	54.2	2.1	63.4	141.7	10.3	8.9	2.4	281.3	776.7

2035 Dual Bore No Tolls - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	4,673
5 - 10 mph	74,726
10 - 15 mph	283,183
15 - 20 mph	736,728
20 - 25 mph	1,401,852
25 - 30 mph	3,316,141
30 - 35 mph	3,453,425
35 - 40 mph	2,299,244
40 - 45 mph	2,534,018
45 - 50 mph	2,802,450
50 - 55 mph	2,117,419
55 - 60 mph	1,682,561
60 - 65 mph	1,872,753
65 - 70 mph	2,942,240
70 - 75 mph	2,558
75 - 80 mph	0

2035 Dual Bore No Tolls - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.4	3.1	15.9	5.7	15,593.7	10,997.5	0.7	0.4	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.1	1.7
5 - 10 mph	24.0	31.7	215.1	72.3	190,235.7	135,169.1	10.7	5.4	0.7	0.0	1.2	2.6	0.1	0.1	0.0	0.9	16.1
10 - 15 mph	54.0	72.5	686.9	216.6	557,808.8	396,835.8	38.6	18.6	1.5	0.0	2.5	5.3	0.3	0.3	0.1	3.1	31.8
15 - 20 mph	83.2	114.8	1,544.6	454.8	1,153,220.1	819,212.5	96.9	45.1	2.5	0.1	3.0	6.8	0.5	0.5	0.1	6.9	38.0
20 - 25 mph	128.9	174.9	2,672.7	783.5	1,856,438.0	1,325,626.1	180.6	82.2	3.8	0.1	5.0	11.0	0.7	0.7	0.2	12.1	62.6
25 - 30 mph	257.0	344.4	5,802.8	1,702.8	3,842,188.8	2,755,650.6	422.0	189.5	7.5	0.3	10.2	22.3	1.4	1.3	0.3	27.6	128.7
30 - 35 mph	233.5	309.8	5,597.0	1,654.5	3,616,077.4	2,601,844.0	436.8	195.0	6.8	0.2	9.3	20.3	1.2	1.1	0.3	28.9	117.0
35 - 40 mph	140.5	185.3	3,509.3	1,043.5	2,252,634.8	1,623,277.6	290.6	129.6	4.1	0.1	5.5	12.0	0.7	0.7	0.2	20.1	68.4
40 - 45 mph	145.3	190.8	3,678.9	1,112.8	2,395,400.4	1,726,393.6	321.4	143.8	4.2	0.2	5.4	11.9	0.8	0.7	0.2	23.9	66.9
45 - 50 mph	157.3	205.9	3,919.2	1,220.2	2,635,664.3	1,897,288.1	358.0	161.4	4.6	0.2	5.4	12.2	0.9	0.7	0.2	29.3	66.7
50 - 55 mph	122.1	159.2	2,882.1	942.6	2,035,354.3	1,462,265.7	273.4	124.6	3.6	0.1	3.9	8.8	0.7	0.6	0.2	25.0	46.5
55 - 60 mph	105.4	136.5	2,285.9	789.6	1,703,329.5	1,220,243.1	220.4	101.9	3.1	0.1	3.0	6.9	0.6	0.5	0.2	22.6	35.0
60 - 65 mph	134.8	173.6	2,655.7	917.9	2,074,857.1	1,479,999.9	249.6	117.4	4.1	0.2	3.4	8.0	0.8	0.6	0.2	28.8	38.1
65 - 70 mph	252.3	320.4	4,667.7	1,517.3	3,500,647.3	2,497,719.7	399.6	191.3	7.6	0.4	5.6	13.6	1.6	1.0	0.4	51.7	60.5
70 - 75 mph	0.2	0.3	4.1	1.3	3,043.7	2,171.7	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total	1,840.8	2,423.2	40,137.9	12,435.5	27,832,493.9	19,954,695.0	3,299.7	1,506.3	54.2	2.1	63.5	141.9	10.3	8.9	2.4	280.9	778.1

2035 Dual Bore without Trucks - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	4,758
5 - 10 mph	71,016
10 - 15 mph	275,092
15 - 20 mph	725,107
20 - 25 mph	1,382,535
25 - 30 mph	3,329,158
30 - 35 mph	3,546,044
35 - 40 mph	2,196,270
40 - 45 mph	2,609,702
45 - 50 mph	2,789,337
50 - 55 mph	2,145,282
55 - 60 mph	1,656,746
60 - 65 mph	1,874,580
65 - 70 mph	2,966,699
70 - 75 mph	3,344
75 - 80 mph	0

2035 Dual Bore without Trucks - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.4	3.2	16.1	5.8	15,875.6	11,196.3	0.7	0.4	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.1	1.7
5 - 10 mph	22.8	30.1	204.4	68.7	180,791.2	128,458.4	10.2	5.1	0.6	0.0	1.2	2.5	0.1	0.1	0.0	0.9	15.3
10 - 15 mph	52.4	70.4	667.3	210.4	541,872.2	385,498.2	37.5	18.0	1.5	0.0	2.4	5.1	0.3	0.3	0.1	3.0	30.9
15 - 20 mph	81.9	113.0	1,520.2	447.6	1,135,029.9	806,290.7	95.4	44.3	2.4	0.1	3.0	6.7	0.5	0.5	0.1	6.8	37.4
20 - 25 mph	127.1	172.5	2,635.9	772.7	1,830,856.7	1,307,359.3	178.1	81.0	3.7	0.1	4.9	10.8	0.7	0.7	0.1	12.0	61.8
25 - 30 mph	258.0	345.8	5,825.6	1,709.5	3,857,270.0	2,766,467.0	423.6	190.3	7.5	0.3	10.2	22.4	1.4	1.3	0.3	27.7	129.3
30 - 35 mph	239.7	318.1	5,747.1	1,698.9	3,713,058.9	2,671,624.3	448.6	200.2	7.0	0.2	9.5	20.8	1.3	1.2	0.3	29.6	120.1
35 - 40 mph	134.2	177.0	3,352.1	996.8	2,151,747.5	1,550,576.9	277.6	123.8	3.9	0.1	5.2	11.4	0.7	0.6	0.2	19.2	65.3
40 - 45 mph	149.6	196.5	3,788.8	1,146.0	2,466,944.5	1,777,956.3	331.0	148.1	4.4	0.2	5.5	12.2	0.8	0.7	0.2	24.6	68.9
45 - 50 mph	156.5	205.0	3,900.8	1,214.5	2,623,332.1	1,888,410.7	356.3	160.6	4.6	0.2	5.4	12.1	0.9	0.7	0.2	29.2	66.4
50 - 55 mph	123.8	161.3	2,920.1	955.0	2,062,137.1	1,481,507.4	277.0	126.3	3.7	0.1	3.9	8.9	0.7	0.6	0.2	25.3	47.1
55 - 60 mph	103.8	134.4	2,250.8	777.5	1,677,196.3	1,201,521.6	217.0	100.4	3.1	0.1	3.0	6.8	0.6	0.5	0.2	22.3	34.5
60 - 65 mph	134.9	173.8	2,658.3	918.8	2,076,881.0	1,481,443.6	249.9	117.6	4.1	0.2	3.4	8.0	0.8	0.6	0.2	28.8	38.2
65 - 70 mph	254.4	323.1	4,706.5	1,529.9	3,529,747.5	2,518,482.8	402.9	192.9	7.7	0.4	5.7	13.7	1.6	1.1	0.4	52.1	61.0
70 - 75 mph	0.3	0.4	5.3	1.7	3,978.3	2,838.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Total	1,841.9	2,424.4	40,199.4	12,453.9	27,866,718.9	19,979,632.0	3,306.3	1,509.2	54.2	2.1	63.5	141.9	10.3	8.9	2.4	281.5	777.8

2035 Single Bore with Tolls and Express Bus - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	5,830
5 - 10 mph	84,230
10 - 15 mph	273,052
15 - 20 mph	781,263
20 - 25 mph	1,657,978
25 - 30 mph	3,344,559
30 - 35 mph	3,536,979
35 - 40 mph	2,253,277
40 - 45 mph	2,147,873
45 - 50 mph	2,740,500
50 - 55 mph	2,066,896
55 - 60 mph	1,654,750
60 - 65 mph	1,866,262
65 - 70 mph	2,884,277
70 - 75 mph	3,075
75 - 80 mph	0

2035 Single Bore with Tolls and Express Bus - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	3.0	3.9	19.8	7.1	19,454.3	13,720.2	0.9	0.5	0.1	0.0	0.2	0.3	0.0	0.0	0.0	0.1	2.1
5 - 10 mph	27.0	35.7	242.5	81.5	214,431.4	152,360.9	12.1	6.1	0.8	0.0	1.4	2.9	0.1	0.1	0.0	1.0	18.1
10 - 15 mph	52.0	69.9	662.3	208.8	537,853.3	382,639.1	37.2	17.9	1.5	0.0	2.4	5.1	0.3	0.3	0.0	2.9	30.7
15 - 20 mph	88.2	121.8	1,637.9	482.3	1,222,931.2	868,733.2	102.8	47.8	2.6	0.1	3.2	7.2	0.5	0.5	0.1	7.3	40.3
20 - 25 mph	152.4	206.9	3,161.0	926.7	2,195,618.9	1,567,824.9	213.6	97.2	4.5	0.2	5.9	13.0	0.8	0.9	0.2	14.3	74.1
25 - 30 mph	259.2	347.4	5,852.5	1,717.4	3,875,114.8	2,779,265.4	425.6	191.2	7.6	0.3	10.3	22.5	1.4	1.3	0.3	27.8	129.9
30 - 35 mph	239.1	317.3	5,732.4	1,694.5	3,703,566.7	2,664,794.5	447.4	199.7	6.9	0.2	9.5	20.8	1.3	1.2	0.3	29.6	119.8
35 - 40 mph	137.7	181.6	3,439.1	1,022.6	2,207,599.2	1,590,824.3	284.8	127.0	4.0	0.1	5.3	11.7	0.7	0.7	0.2	19.7	67.0
40 - 45 mph	123.1	161.7	3,118.3	943.2	2,030,378.6	1,463,318.0	272.4	121.9	3.6	0.1	4.6	10.1	0.7	0.6	0.2	20.3	56.7
45 - 50 mph	153.8	201.4	3,832.5	1,193.2	2,577,402.0	1,855,347.8	350.1	157.8	4.5	0.2	5.3	11.9	0.9	0.7	0.2	28.7	65.2
50 - 55 mph	119.2	155.4	2,813.4	920.1	1,986,789.3	1,427,375.0	266.9	121.7	3.5	0.1	3.8	8.6	0.7	0.6	0.2	24.4	45.4
55 - 60 mph	103.6	134.2	2,248.1	776.5	1,675,175.6	1,200,074.0	216.7	100.2	3.1	0.1	2.9	6.8	0.6	0.5	0.2	22.2	34.4
60 - 65 mph	134.3	173.0	2,646.5	914.7	2,067,665.8	1,474,870.3	248.8	117.0	4.0	0.2	3.4	8.0	0.8	0.6	0.2	28.7	38.0
65 - 70 mph	247.4	314.1	4,575.8	1,487.4	3,431,683.2	2,448,513.7	391.7	187.6	7.5	0.3	5.5	13.3	1.6	1.0	0.3	50.7	59.3
70 - 75 mph	0.3	0.3	4.9	1.6	3,658.4	2,610.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Total	1,840.4	2,424.5	39,987.1	12,377.8	27,749,322.7	19,892,271.7	3,271.4	1,493.6	54.2	2.1	63.7	142.3	10.3	8.9	2.4	277.7	781.0

2035 Single Bore with Tolls - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	5,086
5 - 10 mph	84,210
10 - 15 mph	320,311
15 - 20 mph	746,169
20 - 25 mph	1,663,839
25 - 30 mph	3,293,441
30 - 35 mph	3,562,546
35 - 40 mph	2,172,462
40 - 45 mph	2,307,554
45 - 50 mph	2,688,972
50 - 55 mph	2,041,995
55 - 60 mph	1,673,164
60 - 65 mph	1,879,218
65 - 70 mph	2,859,189
70 - 75 mph	2,731
75 - 80 mph	0

2035 Single Bore with Tolls - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.6	3.4	17.3	6.2	16,969.7	11,967.9	0.8	0.4	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.1	1.8
5 - 10 mph	27.0	35.7	242.4	81.5	214,381.7	152,325.6	12.1	6.1	0.8	0.0	1.4	2.9	0.1	0.1	0.0	1.0	18.1
10 - 15 mph	61.0	82.0	777.0	245.0	630,943.1	448,864.9	43.7	21.0	1.7	0.1	2.8	6.0	0.3	0.3	0.1	3.5	36.0
15 - 20 mph	84.3	116.3	1,564.4	460.6	1,167,997.7	829,710.0	98.2	45.6	2.5	0.1	3.1	6.9	0.5	0.5	0.1	7.0	38.5
20 - 25 mph	153.0	207.6	3,172.2	930.0	2,203,381.0	1,573,367.6	214.4	97.5	4.5	0.2	5.9	13.0	0.8	0.9	0.2	14.4	74.3
25 - 30 mph	255.3	342.1	5,763.1	1,691.2	3,815,887.6	2,736,787.2	419.1	188.2	7.4	0.3	10.1	22.2	1.4	1.3	0.3	27.4	127.9
30 - 35 mph	240.9	319.6	5,773.8	1,706.8	3,730,337.4	2,684,056.5	450.6	201.1	7.0	0.2	9.6	20.9	1.3	1.2	0.3	29.8	120.7
35 - 40 mph	132.7	175.0	3,315.8	986.0	2,128,422.9	1,533,768.9	274.6	122.4	3.9	0.1	5.2	11.3	0.7	0.6	0.2	19.0	64.6
40 - 45 mph	132.3	173.7	3,350.1	1,013.3	2,181,324.4	1,572,106.5	292.6	130.9	3.9	0.1	4.9	10.8	0.7	0.6	0.2	21.8	60.9
45 - 50 mph	150.9	197.6	3,760.5	1,170.8	2,528,940.5	1,820,462.7	343.5	154.9	4.4	0.2	5.2	11.7	0.8	0.7	0.2	28.1	64.0
50 - 55 mph	117.8	153.5	2,779.5	909.0	1,962,853.5	1,410,178.7	263.7	120.2	3.5	0.1	3.7	8.5	0.7	0.5	0.2	24.1	44.8
55 - 60 mph	104.8	135.7	2,273.1	785.2	1,693,817.2	1,213,428.6	219.1	101.3	3.1	0.1	3.0	6.9	0.6	0.5	0.2	22.5	34.8
60 - 65 mph	135.2	174.2	2,664.9	921.1	2,082,019.6	1,485,108.9	250.5	117.9	4.1	0.2	3.4	8.0	0.8	0.6	0.2	28.9	38.3
65 - 70 mph	245.2	311.4	4,536.0	1,474.5	3,401,833.5	2,427,215.9	388.3	185.9	7.4	0.3	5.5	13.2	1.5	1.0	0.3	50.2	58.8
70 - 75 mph	0.2	0.3	4.3	1.4	3,249.3	2,318.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total	1,843.2	2,428.1	39,994.3	12,382.5	27,762,358.9	19,901,668.3	3,271.5	1,493.7	54.3	2.1	63.9	142.6	10.3	8.9	2.4	277.7	783.6

2035 Single Bore without Trucks - Regional VMT by Speed Bin

Speed Bin	Study Area VMT
0 - 5 mph	5,090
5 - 10 mph	86,335
10 - 15 mph	305,768
15 - 20 mph	742,059
20 - 25 mph	1,689,852
25 - 30 mph	3,305,892
30 - 35 mph	3,428,448
35 - 40 mph	2,260,009
40 - 45 mph	2,299,921
45 - 50 mph	2,718,090
50 - 55 mph	2,066,526
55 - 60 mph	1,675,491
60 - 65 mph	1,877,335
65 - 70 mph	2,856,523
70 - 75 mph	2,170
75 - 80 mph	0

2035 Single Bore without Trucks - Project Study Area Emissions (lb/day)

Speed Bin	ROG	TOG	CO	NOx	CO2	CO2 (Pavley I + LCFS)	PM10	PM2.5	Benzene	Acrolein	Acetaldehy	Formaldeh	Butadiene	Naphthale	POM	Diesel PM	DEOG
0 - 5 mph	2.6	3.4	17.3	6.2	16,982.8	11,977.2	0.8	0.4	0.1	0.0	0.1	0.3	0.0	0.0	0.0	0.1	1.8
5 - 10 mph	27.7	36.6	248.5	83.5	219,790.4	156,168.7	12.4	6.2	0.8	0.0	1.4	3.0	0.1	0.1	0.0	1.1	18.6
10 - 15 mph	58.3	78.3	741.7	233.9	602,296.4	428,485.1	41.7	20.0	1.7	0.1	2.7	5.7	0.3	0.3	0.1	3.3	34.3
15 - 20 mph	83.8	115.6	1,555.7	458.1	1,161,564.6	825,140.1	97.6	45.4	2.5	0.1	3.1	6.8	0.5	0.5	0.1	7.0	38.2
20 - 25 mph	155.4	210.9	3,221.8	944.5	2,237,828.6	1,597,965.6	217.7	99.1	4.6	0.2	6.0	13.2	0.8	0.9	0.2	14.6	75.5
25 - 30 mph	256.2	343.4	5,784.9	1,697.6	3,830,313.2	2,747,133.3	420.7	188.9	7.5	0.3	10.2	22.3	1.4	1.3	0.3	27.5	128.4
30 - 35 mph	231.8	307.6	5,556.5	1,642.5	3,589,923.5	2,583,025.7	433.7	193.5	6.7	0.2	9.2	20.2	1.2	1.1	0.3	28.6	116.1
35 - 40 mph	138.1	182.1	3,449.4	1,025.7	2,214,194.9	1,595,577.2	285.6	127.3	4.0	0.1	5.4	11.8	0.7	0.7	0.2	19.7	67.2
40 - 45 mph	131.8	173.1	3,339.1	1,010.0	2,174,109.7	1,566,906.8	291.7	130.5	3.8	0.1	4.9	10.8	0.7	0.6	0.2	21.7	60.7
45 - 50 mph	152.5	199.7	3,801.2	1,183.5	2,556,325.5	1,840,175.9	347.2	156.5	4.5	0.2	5.3	11.8	0.9	0.7	0.2	28.4	64.7
50 - 55 mph	119.2	155.3	2,812.9	920.0	1,986,433.8	1,427,119.6	266.8	121.6	3.5	0.1	3.8	8.6	0.7	0.6	0.2	24.4	45.4
55 - 60 mph	104.9	135.9	2,276.3	786.3	1,696,172.6	1,215,116.0	219.5	101.5	3.1	0.1	3.0	6.9	0.6	0.5	0.2	22.5	34.9
60 - 65 mph	135.1	174.0	2,662.2	920.2	2,079,933.3	1,483,620.8	250.3	117.7	4.1	0.2	3.4	8.0	0.8	0.6	0.2	28.8	38.2
65 - 70 mph	245.0	311.1	4,531.8	1,473.1	3,398,661.0	2,424,952.3	388.0	185.7	7.4	0.3	5.5	13.2	1.5	1.0	0.3	50.2	58.8
70 - 75 mph	0.2	0.2	3.4	1.1	2,581.6	1,842.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	1,842.6	2,427.3	40,002.6	12,386.0	27,767,111.7	19,905,206.3	3,273.9	1,494.8	54.2	2.1	63.8	142.5	10.3	8.9	2.4	278.0	782.9