

APPENDIX D

AIR QUALITY EMISSIONS CALCULATIONS

University Community Plan
Daily Emissions Summary

Alternative A (Regents Bridge, 6-lane)					
Pollutants (lbs/day)					
Roadway Type	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
Freeway	117.64	475.82	2,617.58	6.39	5.96
Arterial	122.92	931.54	1,615.71	5.76	5.40
Genesee	28.95	195.60	410.02	1.40	1.31
LaJollaVillage	55.24	437.52	693.04	2.55	2.39
Nobel	22.00	183.22	273.20	1.02	0.96
Regents	16.73	115.21	239.44	0.78	0.73
Total	240.56	1,407.36	4,233.28	12.15	11.36
	318.07	1,860.86	5,597.38	16.07	15.02

Alternative C (No Bridge, 6-lane)				
Pollutants (lbs/day)				
ROG	NO _x	CO	PM ₁₀	PM _{2.5}
125.10	479.44	2,720.30	6.68	6.23
119.27	907.04	1,548.70	5.62	5.26
32.63	223.99	453.46	1.61	1.51
55.84	441.99	700.55	2.58	2.42
22.48	186.30	276.30	1.04	0.98
8.31	54.76	118.39	0.38	0.36
244.36	1,386.47	4,269.00	12.30	11.49

Alt C-A Comparison (C - A)				
Change in Emissions (lbs/day)				
ROG	NO _x	CO	PM ₁₀	PM _{2.5}
7.46	3.62	102.72	0.29	0.27
(3.66)	(24.51)	(67.01)	(0.14)	(0.13)
3.68	28.39	43.43	0.21	0.20
0.60	4.47	7.51	0.03	0.03
0.48	3.08	3.10	0.02	0.02
(8.41)	(60.45)	(121.05)	(0.40)	(0.38)
3.81	(20.89)	35.71	0.15	0.13

Alternative D-A Comparison (D - A)				
Change in Emissions (lbs/day)				
ROG	NO _x	CO	PM ₁₀	PM _{2.5}
7.80	4.88	109.71	0.31	0.28
0.02	14.59	(27.36)	(0.00)	(0.00)
6.36	53.61	67.77	0.32	0.30
0.68	5.19	8.52	0.03	0.03
0.32	1.31	4.56	0.02	0.02
(7.34)	(45.52)	(108.21)	(0.37)	(0.35)
7.82	19.47	82.35	0.31	0.28
14.33	48.63	178.13	0.61	0.56

Alternative B (Regents Bridge, 4-lane)					
Pollutants (lbs/day)					
Roadway Type	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
Freeway	117.86	476.79	2,622.42	6.41	5.98
Arterial	123.81	938.84	1,620.89	5.81	5.45
Genesee	29.50	200.58	410.52	1.44	1.35
LaJollaVillage	55.62	440.72	697.84	2.57	2.41
Nobel	21.85	181.45	271.49	1.01	0.95
Regents	16.84	116.09	241.04	0.79	0.74
Total	241.67	1,415.63	4,243.31	12.22	11.42

Alternative D (No Bridge, 4-lane)				
Pollutants (lbs/day)				
ROG	NO _x	CO	PM ₁₀	PM _{2.5}
125.44	480.69	2,727.29	6.70	6.25
122.95	946.14	1,588.35	5.75	5.39
35.32	249.21	477.79	1.72	1.61
55.92	442.70	701.56	2.59	2.42
22.32	184.53	277.77	1.04	0.98
9.39	69.69	131.23	0.41	0.39
248.38	1,426.83	4,315.64	12.46	11.64
332.40	1,909.49	5,775.51	16.67	15.58

Alternative B-C Comparison (B - C)				
Change in Emissions (lbs/day)				
ROG	NO _x	CO	PM ₁₀	PM _{2.5}
(7.24)	(2.65)	(97.87)	(0.28)	(0.25)
4.54	31.80	72.19	0.20	0.18
(3.13)	(23.40)	(42.94)	(0.17)	(0.16)
(0.22)	(1.27)	(2.71)	(0.01)	(0.01)
(0.64)	(4.86)	(4.81)	(0.03)	(0.03)
8.53	61.33	122.65	0.41	0.38
(2.69)	29.16	(25.68)	(0.08)	(0.07)

Alternative D-B Comparison (D - B)				
Change in Emissions (lbs/day)				
ROG	NO _x	CO	PM ₁₀	PM _{2.5}
7.58	3.90	104.86	0.30	0.27
(0.86)	7.30	(32.54)	(0.06)	(0.05)
5.82	48.63	67.28	0.28	0.26
0.30	1.98	3.72	0.02	0.01
0.48	3.08	6.27	0.03	0.02
(7.46)	(46.40)	(109.81)	(0.38)	(0.35)
6.71	11.20	72.32	0.24	0.22

University Community Plan
Annual Emissions Summary

Alternative A (Regents Bridge, 6-lane)						
Pollutants (tons/year)						
Roadway Type	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
Freeway	21.47	86.84	477.71	1.17	1.09	253,963
Arterial	17.60	135.88	229.74	0.82	0.77	139,748
Genesee	0.45	1.57	9.70	0.02	0.02	35,264
LaJollaVillage	10.08	79.85	126.48	0.47	0.44	60,598
Nobel	4.02	33.44	49.86	0.19	0.17	24,095
Regents	3.05	21.03	43.70	0.14	0.13	19,790
Total	39.06	222.72	707.45	1.98	1.85	393,711
	51.65	294.49	935.41	2.62	2.45	

Alternative C (No Bridge, 6-lane)					
Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
22.83	87.50	496.45	1.22	1.14	257,696
21.77	165.53	282.64	1.03	0.96	135,163
5.96	40.88	82.76	0.29	0.28	39,678
10.19	80.66	127.85	0.47	0.44	61,265
4.10	34.00	50.42	0.19	0.18	24,513
1.52	9.99	21.61	0.07	0.06	9,707
44.60	253.03	779.09	2.24	2.10	392,859

Alt C-A Comparison (C - A)					
Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
1.36	0.66	18.75	0.05	0.05	3,733
4.17	29.65	52.90	0.21	0.20	(4,585)
5.51	39.30	73.05	0.27	0.26	4,414
0.11	0.82	1.37	0.01	0.00	667
0.09	0.56	0.57	0.00	0.00	418
(1.54)	(11.03)	(22.09)	(0.07)	(0.07)	(10,084)
5.53	30.31	71.64	0.26	0.24	(852)

Alternative D-A Comparison (D - A)					
Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
1.42	0.89	20.02	0.06	0.05	4,466
4.84	36.79	60.13	0.23	0.22	(1,874)
6.00	43.91	77.49	0.29	0.27	6,110
0.12	0.95	1.55	0.01	0.01	751
0.06	0.24	0.83	0.00	0.00	447
(1.34)	(8.31)	(19.75)	(0.07)	(0.06)	(9,182)
6.27	37.68	80.15	0.29	0.27	2,593
9.01	53.99	118.62	0.42	0.39	

Alternative B (Regents Bridge, 4-lane)						
Pollutants (tons/year)						
Roadway Type	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
Freeway	21.51	87.01	478.59	1.17	1.09	254,514
Arterial	22.60	171.34	295.81	1.06	0.99	140,540
Genesee	5.38	36.61	74.92	0.26	0.25	35,648
LaJollaVillage	10.15	80.43	127.36	0.47	0.44	61,005
Nobel	3.99	33.11	49.55	0.19	0.17	23,957
Regents	3.07	21.19	43.99	0.14	0.13	19,930
Total	44.10	258.35	774.40	2.23	2.08	395,055

Alternative D (No Bridge, 4-lane)					
Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
22.89	87.73	497.73	1.22	1.14	258,429
22.44	172.67	289.87	1.05	0.98	137,875
6.44	45.48	87.20	0.31	0.29	41,375
10.21	80.79	128.03	0.47	0.44	61,349
4.07	33.68	50.69	0.19	0.18	24,543
1.71	12.72	23.95	0.08	0.07	10,608
45.33	260.40	787.60	2.27	2.12	396,304
60.66	348.48	1,054.03	3.04	2.84	

Alternative B-A Comparison (B - A)					
Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
0.04	0.18	0.88	0.00	0.00	552
5.00	35.45	66.07	0.24	0.23	792
4.94	35.03	65.21	0.24	0.23	384
0.07	0.58	0.88	0.00	0.00	407
(0.03)	(0.32)	(0.31)	(0.00)	(0.00)	(138)
0.02	0.16	0.29	0.00	0.00	140
5.04	35.63	66.96	0.25	0.23	1,344

VMT	Alt A	Alternative A	Alt B	Alt C	Alt D	Alternative D
Freeway	2,745,650	2,230,293	2,750,133	2,768,475	2,773,149	2,262,283
Prime Arterial	481,866	664,786	482,620	482,843	484,536	625,076
Major Arterial	546,163		542,374	525,844	520,748	
Collector	113,537		113,371	113,244	113,218	
Local Collector	16,206		16,216	16,740	16,811	
Rural Collector	-		-	-	-	
Local Non-Circulation Element Road	47,936		47,963	49,662	49,062	
Freeway Ramp Connector	126,638		126,330	127,392	127,162	
Local Ramps	236,714		236,832	240,282	240,285	
Zone Connectors	172,957		173,181	173,153	173,077	
Total	4,487,667		4,489,020	4,497,635	4,498,048	
VMT Total in Summary	3,827,967	2,895,079	3,833,275	3,858,547	3,864,082	2,887,359
		0.75629662				75%

#N/A
2035 HORIZON YEAR ALT A CONDITIONS
ROADWAY SEGMENT LEVEL OF SERVICE SUMMARY

ROADWAY SEGMENT	ROADWAY CLASSIFICATION (a)	LOS E CAPACITY	Existing			2035 Alt A Regents Bridge 6-lane Genesee			2035 Alt B Regents Bridge 4-lane Genesee			2035 Alt C No Bridge 6-lane Genesee			2035 Alt D No Bridge 4-lane Genesee		
			ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS
Eastgate Mall																	
Regents Rd to Genesee Ave	2 Lane Collector (continuous left-turn lane)	15,000	6,187	0.412	B												
	3 Lane Collector (continuous left-turn lane)	22,500				12,100	0.538	C	12,200	0.542	C	12,300	0.547	C	12,300	0.547	C
Genesee Ave to Easter Way	4 Lane Collector	30,000	14,767	0.492	C	25,000	0.833	E	25,100	0.837	E	24,900	0.830	D	25,400	0.847	E
Easter Way to Judicial Dr	4 Lane Major Arterial	40,000	11,115	0.278	A	14,100	0.353	A	14,300	0.358	A	14,000	0.350	A	14,300	0.358	A
Judicial Drive to Eastgate Dr (Freeway Overpass)	2 Lane Collector (no fronting property)	10,000	10,096	1.010	F	19,500	1.950	F	19,500	1.950	F	19,500	1.950	F	19,400	1.940	F
Eastgate Dr to Miramar Rd	2 Lane Collector (continuous left-turn lane)	15,000	14,668	0.978	E	28,800	1.920	F	28,700	1.913	F	29,000	1.933	F	29,200	1.947	F
Executive Drive																	
Regents Rd to Genesee Ave	4 Lane Collector (no center lane)	15,000	4,397	0.293	A	5,900	0.393	B	6,000	0.400	B	6,600	0.440	B	6,400	0.427	B
Genesee Ave to Judicial Dr	4 Lane Collector	30,000	5,914	0.197	A	8,900	0.297	A	8,700	0.290	A	9,300	0.310	A	9,300	0.310	A
Executive Way																	
Executive Dr to La Jolla Village Dr	4 Lane Collector	30,000	5,923	0.197	A	11,400	0.380	B	11,100	0.370	B	11,000	0.367	B	11,100	0.370	B
Genesee Avenue																	
N. Torrey Pines Rd to I-5 SB Ramps	6 Lane Prime Arterial	60,000	35,124	0.585	C	46,100	0.768	C	46,100	0.768	C	46,100	0.768	C	46,000	0.767	C
I-5 SB Ramps to I-5 NB Ramps	4 Lane Major Arterial	40,000	49,051	1.226	F												
	6 Lane Prime Arterial	60,000				62,100	0.776	C	62,200	0.778	C	62,300	0.779	C	62,100	0.776	C
I-5 NB Ramps to Regents Rd	6 Lane Prime Arterial	60,000	48,542	0.809	C	54,300	0.905	D	54,700	0.912	D	54,800	0.913	D	54,600	0.910	D
Regents Rd to La Jolla Village Dr	6 Lane Prime Arterial	60,000	29,457	0.491	B	40,600	0.677	C	40,300	0.672	C	40,700	0.678	C	40,800	0.680	C
La Jolla Village to Esplande Ct	4 Lane Major Arterial	40,000	28,054	0.701	C												
	6 Lane Major Arterial	50,000				41,800	0.836	D	41,900	0.838	D	46,500	0.930	E	46,400	0.928	E
Esplande Ct to Nobel Dr	6 Lane Major Arterial	50,000	23,744	0.475	B	27,300	0.546	B	27,400	0.548	B	30,300	0.606	C	29,700	0.594	C
Nobel Dr to Centurion Square	4 Lane Major Arterial	40,000	30,922	0.773	D				39,600	0.990	E				46,500	1.163	F
	6 Lane Major Arterial	50,000				39,600	0.792	C				49,400	0.988	E			
Centurion Square to Governor Dr	4 Lane Major Arterial	40,000	30,325	0.758	D				40,900	1.023	F				54,600	1.365	F
	6 Lane Major Arterial	50,000				43,900	0.878	D				58,200	1.164	F			
Governor Dr to SR-52 WB Ramps	4 Lane Major Arterial	40,000	30,325	0.758	D				44,300	1.108	F				43,500	1.088	F
	6 Lane Major Arterial	50,000				48,700	0.974	E				47,700	0.954	E			
SR-52 WB Ramps to SR-52 EB Ramps	4 Lane Major Arterial	40,000	31,170	0.779	D	37,300	0.933	E	36,500	0.913	E	39,000	0.975	E	38,000	0.950	E
SR-52 EB Ramps to Lehrer Dr	4 Lane Major Arterial	40,000	30,581	0.765	D	37,100	0.928	E	36,600	0.915	E	38,900	0.973	E	38,400	0.960	E
Gilman Drive																	
UCSD Campus to La Jolla Village Dr	4 Lane Collector	30,000	10,069	0.336	B	13,800	0.460	B	13,900	0.463	B	13,700	0.457	B	13,700	0.457	B
La Jolla Village Dr to Via Alicante	4 Lane Collector	30,000	15,095	0.503	C	21,800	0.727	D	21,800	0.727	D	21,000	0.700	D	20,700	0.690	D
Via Alicante to I-5 SB Ramps	4 Lane Major Arterial	40,000	17,138	0.428	B	24,300	0.608	C	24,500	0.613	C	24,000	0.600	C	23,400	0.585	C
I-5 SB Ramps to I-5 NB Ramps	4 Lane Major Arterial	40,000	11,873	0.297	A	14,900	0.373	A	15,000	0.375	B	16,800	0.420	B	16,500	0.413	B
Golden Haven Drive																	
Towne Center Dr to Judicial Dr	4 Lane Major Arterial	40,000	6,712	0.168	A	7,500	0.188	A	7,300	0.183	A	7,700	0.193	A	7,600	0.190	A

Notes:

Bold values indicate roadway segments operating at LOS E or F.

(a) Road classifications are based on _____

(b) Average Daily Traffic (ADT) volumes for the roadway segments were determined from SANDAG Modeling

(c) The v/c Ratio is calculated by dividing the ADT volume by each respective roadway segment's capacity.

ROADWAY SEGMENT	ROADWAY CLASSIFICATION (a)	LOS E CAPACITY	Existing			2035 Alt A Regents Bridge 6-lane Genesee			2035 Alt B Regents Bridge 4-lane Genesee			2035 Alt C No Bridge 6-lane Genesee			2035 Alt D No Bridge 4-lane Genesee		
			ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS
Governor Drive																	
Regents Road to Genesee Ave	4 Lane Major Arterial	40,000	16,796	0.420	B	11,400	0.285	A	10,700	0.268	A	23,200	0.580	C	23,000	0.575	C
Genesee Ave to I-805 SB Ramps	4 Lane Major Arterial	40,000	19,737	0.493	B	24,000	0.600	C	23,300	0.583	C	23,900	0.598	C	23,300	0.583	C
I-805 SB Ramps to I-805 NB Ramps	4 Lane Major Arterial	40,000	10,417	0.260	A	9,900	0.248	A	10,600	0.265	A	10,000	0.250	A	10,700	0.268	A
Judicial Drive																	
Eastgate Mall to La Jolla Village Dr	4 Lane Major Arterial	40,000	4,828	0.121	A	10,600	0.265	A	10,400	0.260	A	9,900	0.248	A	9,700	0.243	A
La Jolla Village Dr to Nobel Drive	4 Lane Major Arterial	40,000	6,574	0.164	A	9,300	0.233	A	9,300	0.233	A	9,500	0.238	A	9,400	0.235	A
La Jolla Scenic Drive																	
La Jolla Village Drive to South	4 Lane Major Arterial	40,000	7,928	0.198	A	12,900	0.323	A	12,900	0.323	A	14,100	0.353	A	14,100	0.353	A
La Jolla Village Drive																	
Revelle College Drive to Villa La Jolla	6 Lane Prime Arterial	60,000	44,520	0.742	C	54,300	0.905	D	54,100	0.902	D	55,100	0.918	E	55,000	0.917	E
Villa La Jolla Drive to I-5 SB Ramps	6 Lane Prime Arterial	60,000	62,258	1.038	F	76,400	1.273	F	76,400	1.273	F	76,600	1.277	F	76,800	1.280	F
I-5 SB Ramps to I-5 NB Ramps	6 Lane Major Arterial	50,000	51,391	1.028	F	59,400	1.188	F	60,100	1.202	F	61,200	1.224	F	60,900	1.218	F
I-5 NB Ramps to Lebon Dr	6 Lane Major Arterial	50,000	44,335	0.887	D	52,000	1.040	F	52,500	1.050	F	53,200	1.064	F	53,200	1.064	F
Lebon Dr to Regents Road	6 Lane Major Arterial	50,000	42,863	0.857	D	49,900	0.998	E	50,100	1.002	F	51,500	1.030	F	51,500	1.030	F
Regents Road to Genesee Ave	6 Lane Major Arterial	50,000	38,474	0.769	C	52,400	1.048	F	52,400	1.048	F	50,500	1.010	F	50,700	1.014	F
Genesee Ave to Executive Way	6 Lane Major Arterial	50,000	45,117	0.902	E	49,400	0.988	E	49,600	0.992	E	48,900	0.978	E	49,200	0.984	E
Executive Way to Towne Center Dr	6 Lane Major Arterial	50,000	45,117	0.902	E	67,600	1.352	F	68,700	1.374	F	69,300	1.386	F	69,500	1.390	F
Towne Center Dr to I-805 SB Ramps	7 Lane Prime Arterial	70,000	58,833	0.840	C	67,600	0.966	E	68,700	0.981	E	69,300	0.990	E	69,500	0.993	E
Lebon Drive																	
Palmilla Drive to Nobel Drive	4 Lane Major Arterial	40,000	11,192	0.280	A	16,100	0.403	B	16,000	0.400	B	12,300	0.308	A	12,400	0.310	A
Nobel Drive to La Jolla Village Drive	5 Lane Major Arterial	45,000	9,212	0.205	A	13,600	0.302	A	13,600	0.302	A	11,300	0.251	A	11,800	0.262	A
Miramar Road																	
I-805 SB Ramps to I-805 NB Ramps	6 Lane Major Arterial	50,000	66,139	1.323	F	64,600	1.292	F	65,700	1.314	F	65,400	1.308	F	66,000	1.320	F
I-805 NB Ramps to Nobel Dr	8 Lane Prime Arterial	80,000	47,991	0.600	B	51,400	0.643	C	50,400	0.630	C	49,600	0.620	B	50,300	0.629	C
Nobel Dr to Eastgate Mall	8 Lane Prime Arterial	80,000	64,557	0.807	C	69,000	0.863	C	69,000	0.863	C	69,000	0.863	C	69,100	0.864	C
Eastgate Mall to Miramar Mall	6 Lane Prime Arterial	60,000	67,748	1.129	F												
	7 Lane Prime Arterial	70,000				72,200	1.031	F	72,300	1.033	F	72,200	1.031	F	72,200	1.031	F
Miramar Mall to Camino Santa Fe	6 Lane Prime Arterial	60,000	67,748	1.129	F	72,200	1.203	F	72,300	1.205	F	72,200	1.203	F	72,200	1.203	F

Notes:

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(a) Road classifications are based on _____

(b) Average Daily Traffic (ADT) volumes for the roadway segments were determined from SANDAG Modeling

(c) The v/c Ratio is calculated by dividing the ADT volume by each respective roadway segment's capacity.

ROADWAY SEGMENT	ROADWAY CLASSIFICATION (a)	LOS E CAPACITY	Existing			2035 Alt A Regents Bridge 6-lane Genesee			2035 Alt B Regents Bridge 4-lane Genesee			2035 Alt C No Bridge 6-lane Genesee			2035 Alt D No Bridge 4-lane Genesee		
			ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS
North Torrey Pines Road																	
Science Park Rd to Genesee Ave	6 Lane Prime Arterial	60,000	29,303	0.488	B	40,400	0.673	C	40,600	0.677	C	41,300	0.688	C	42,100	0.702	C
Genesee Ave to Revelle College Dr	4 Lane Major Arterial	40,000	21,760	0.544	C	23,700	0.593	C	23,700	0.593	C	23,800	0.595	C	23,900	0.598	C
Nobel Drive																	
Villa La Jolla Dr to I-5 SB On Ramp	4 Lane Major Arterial	40,000	26,284	0.657	C	47,500	1.188	F	47,200	1.180	F	47,200	1.180	F	47,600	1.190	F
I-5 SB On Ramp to I-5 NB Off Ramp/University Center Lane	4 Lane Major Arterial	40,000	27,642	0.691	C	40,800	1.020	F	40,600	1.015	F	40,700	1.018	F	41,700	1.043	F

I-5 NB Off Ramp/University Center Lane to Lebon Dr	6 Lane Major Arterial	50,000	21,546	0.431	B	31,300	0.626	C	31,600	0.632	C	30,400	0.608	C	31,100	0.622	C
Lebon Dr to Regents Rd	6 Lane Prime Arterial	60,000	21,256	0.354	A	27,300	0.455	B	27,800	0.463	B	30,700	0.512	B	31,300	0.522	B
Regents Rd to Genesee Ave	6 Lane Prime Arterial	60,000	19,772	0.330	A	32,800	0.547	B	33,100	0.552	B	32,200	0.537	B	32,700	0.545	B
Genesee Ave to Towne Center Dr	4 Lane Major Arterial	40,000	18,484	0.462	B	32,400	0.810	D	30,400	0.760	D	32,000	0.800	D	30,800	0.770	D
Towne Center Dr to Judicial Dr	6 Lane Prime Arterial	60,000	17,261	0.288	A	25,000	0.417	B	24,900	0.415	A	25,000	0.417	B	26,200	0.437	B
Judicial Dr to Avenue of Flags	5 Lane Major Arterial	45,000	24,125	0.536	B	31,400	0.698	C	31,300	0.696	C	31,700	0.704	C	32,900	0.731	C
Avenue of Flags to Miramar Rd	4 Lane Major Arterial	40,000	20,648	0.413	A	33,900	0.678	C	34,900	0.698	C	35,600	0.712	C	35,000	0.700	C
Regents Road																	
Genesee Ave to Eastgate Mall	2 Lane Collector (continuous left-turn lane)	15,000	6,260	0.417	B												
	4 Lane Collector	30,000				9,700	0.323	A	9,900	0.330	A	8,700	0.290	A	8,600	0.287	A
Eastgate Mall to La Jolla Village Dr	4 Lane Collector	30,000	15,245	0.508	C	18,900	0.630	C	19,100	0.637	C	16,000	0.533	C	16,100	0.537	C
La Jolla Village Dr to Nobel Dr	5 Lane Major Arterial	45,000	16,525	0.367	A	24,500	0.544	C	24,700	0.549	C	18,700	0.416	B	18,600	0.413	B
Nobel Dr to Rose Canyon	4 Lane Major Arterial	40,000	10,688	0.267	A	27,000	0.675	C	27,100	0.678	C	11,600	0.290	A	11,600	0.290	A
Rose Canyon to Governor Dr	2 Lane Collector (no fronting property)	10,000	1,940	0.194	A							2,400	0.240	A	2,400	0.240	A
	4 Lane Major Arterial	40,000				30,000	0.750	D	29,900	0.748	C						
Governor Dr to SR-52 WB Ramps	4 Lane Major Arterial	40,000	16,181	0.405	B	30,300	0.758	D	30,900	0.773	D	17,800	0.445	B	17,800	0.445	B
SR-52 WB Ramps to SR-52 EB Ramps	4 Lane Major Arterial	40,000	19,957	0.499	B	35,300	0.883	E	35,500	0.888	E	23,400	0.585	C	23,500	0.588	C
SR-52 EB Ramps to Luna Ave	4 Lane Major Arterial	40,000	21,268	0.532	C	40,600	1.015	F	40,800	1.020	F	25,500	0.638	C	25,600	0.640	C
Torrey Pines Road																	
La Jolla Village Drive to South	4 Lane Major Arterial	40,000	26,620	0.666	C	35,600	0.890	E	35,700	0.893	E	36,600	0.915	E	36,800	0.920	E
Towne Center Drive																	
End to La Jolla Village Dr	4 Lane Major Arterial	40,000	20,121	0.503	B	21,400	0.535	C	21,600	0.540	C	21,600	0.540	C	21,500	0.538	C
La Jolla Village Dr to Nobel Dr	4 Lane Major Arterial	40,000	13,785	0.345	A	18,600	0.465	B	19,500	0.488	B	20,700	0.518	B	19,800	0.495	B
Villa La Jolla Drive																	
Gilman Dr (South) to Nobel Dr	4 Lane Major Arterial	40,000	6,896	0.172	A	12,300	0.308	A	12,300	0.308	A	12,300	0.308	A	12,200	0.305	A
Nobel Dr to La Jolla Village Dr	4 Lane Major Arterial	40,000	16,011	0.400	B	24,300	0.608	C	24,100	0.603	C	23,700	0.593	C	23,700	0.593	C
La Jolla Village Dr to VA Medical Center	4 Lane Major Arterial	40,000	19,865	0.497	B	33,400	0.835	D	33,300	0.833	D	33,600	0.840	D	33,500	0.838	D

Notes:

Bold values indicate roadway segments operating at LOS E or F.

(a) Road classifications are based on _____

(b) Average Daily Traffic (ADT) volumes for the roadway segments were determined from SANDAG Modeling

(c) The v/c Ratio is calculated by dividing the ADT volume by each respective roadway segment's capacity.

Alternative A					
Peak-Hour VMT		Speed (mph) (b)		Daily VMT (mi/day)	Avg Daily Speed (mph)
AM	PM	AM	PM		
9,248	6,478	30.4	59.9	191,588	42.1
5,389	9,443	66.2	27.6		
9,498	11,294	64.4	57.1	287,196	59.8
11,496	9,959	56.1	62.8		
1,737	2,065	67.1	62.2	52,516	64.0
2,102	1,821	61.5	66.1		
7,397	8,796	64.2	56.8	223,673	63.4
8,954	7,756	65.2	68.2		
421	500	69.5	69.5	12,719	69.5
509	441	69.5	69.5		
9,706	6,878	20.1	55.4	224,514	28.1
3,563	11,151	70.0	5.0		
1,977	1,401	69.8	69.5	45,739	69.3
726	2,272	69.5	68.7		
13,488	8,173	7.4	59.9	282,202	31.4
5,448	12,372	69.4	22.2		
2,811	1,703	69.2	69.5	58,807	69.5
1,135	2,578	69.5	69.7		
5,092	3,085	32.1	65.5	106,529	47.3
2,057	4,670	70.0	41.8		
1,109	672	69.9	69.5	23,196	69.8
448	1,017	69.5	70.0		
12,629	7,652	35.1	66.1	264,226	49.2
5,101	11,584	70.0	44.2		
2,818	1,707	69.9	69.5	58,956	69.8
1,138	2,585	69.5	70.0		
3,642	6,554	65.0	16.7	117,347	41.1
5,511	4,113	39.9	60.6		
4,404	5,942	53.3	21.8	107,383	42.5
4,906	4,055	44.8	58.2		
7,123	9,612	45.2	5.0	173,701	31.4
7,937	6,559	33.9	51.9		

2,230,293

Surrogate Speed (mph)	Daily Pollutants (lbs/day)				
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
40.0	9.3	41.2	232.6	0.5	0.4
55.0	12.2	79.7	262.7	1.0	1.0
60.0	2.2	9.0	47.2	0.1	0.1
60.0	9.3	38.3	201.0	0.6	0.5
65.0	0.6	1.4	12.5	0.0	0.0
25.0	17.8	50.0	346.9	0.8	0.8
65.0	2.2	5.0	45.0	0.1	0.1
30.0	18.2	62.1	399.3	0.9	0.8
65.0	2.9	6.4	57.9	0.1	0.1
45.0	4.9	25.1	118.7	0.3	0.3
65.0	1.1	2.5	22.8	0.0	0.0
45.0	12.1	62.2	294.4	0.7	0.7
65.0	2.9	6.4	58.0	0.1	0.1
40.0	5.7	25.2	142.5	0.3	0.3
40.0	5.2	23.1	130.4	0.3	0.2
30.0	11.2	38.2	245.8	0.5	0.5
	117.64	475.82	2,617.58	6.39	5.96

Annual Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
1.7	7.5	42.4	0.1	0.1	19,815
2.2	14.6	47.9	0.2	0.2	45,070
0.4	1.6	8.6	0.0	0.0	6,438
1.7	7.0	36.7	0.1	0.1	27,418
0.1	0.3	2.3	0.0	0.0	1,092
3.2	9.1	63.3	0.2	0.1	25,059
0.4	0.9	8.2	0.0	0.0	3,927
3.3	11.3	72.9	0.2	0.1	29,089
0.5	1.2	10.6	0.0	0.0	5,049
0.9	4.6	21.7	0.1	0.0	12,300
0.2	0.5	4.2	0.0	0.0	1,991
2.2	11.3	53.7	0.1	0.1	30,507
0.5	1.2	10.6	0.0	0.0	5,062
1.0	4.6	26.0	0.1	0.0	12,136
0.9	4.2	23.8	0.0	0.0	11,106
2.0	7.0	44.8	0.1	0.1	17,905
21.47	86.84	477.71	1.17	1.09	253,963

Alternative B					
Peak-Hour VMT		Speed (mph) (b)		Daily VMT (mi/day)	Avg Daily Speed (mph)
AM	PM	AM	PM		
9,304	6,518	29.6	59.6	192,749	41.5
5,422	9,500	66.0	26.7		
9,553	11,359	64.2	56.8	288,858	59.5
11,563	10,017	55.8	62.6		
1,746	2,077	67.0	62.0	52,806	63.9
2,114	1,831	61.3	66.0		
7,395	8,793	64.2	56.8	223,617	63.4
8,951	7,754	65.2	68.2		
422	501	69.5	69.5	12,746	69.5
510	442	69.5	69.5		
9,758	6,915	19.2	55.1	225,711	27.8
3,582	11,210	70.0	5.0		
1,987	1,408	69.8	69.5	45,953	69.3
729	2,282	69.5	68.7		
13,523	8,194	6.9	59.8	282,933	31.1
5,462	12,404	69.4	21.7		
2,824	1,711	69.1	69.5	59,082	69.5
1,141	2,590	69.5	69.7		
5,088	3,083	32.2	65.5	106,448	47.4
2,055	4,667	70.0	41.9		
1,113	674	69.8	69.5	23,288	69.8
450	1,021	69.5	70.0		
12,629	7,652	35.1	66.1	264,241	49.2
5,101	11,584	70.0	44.2		
2,829	1,714	69.8	69.5	59,190	69.8
1,143	2,595	69.5	70.0		

Surrogate Speed (mph)	Daily Pollutants (lbs/day)				
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
40.0	9.3	41.4	234.0	0.5	0.4
55.0	12.3	80.2	264.2	1.0	1.0
60.0	2.2	9.0	47.5	0.1	0.1
60.0	9.3	38.3	201.0	0.6	0.5
65.0	0.6	1.4	12.5	0.0	0.0
25.0	17.9	50.3	348.7	0.8	0.8
65.0	2.2	5.0	45.2	0.1	0.1
30.0	18.2	62.2	400.3	0.9	0.8
65.0	2.9	6.4	58.2	0.1	0.1
45.0	4.9	25.0	118.6	0.3	0.3
65.0	1.1	2.5	22.9	0.0	0.0
45.0	12.1	62.2	294.4	0.7	0.7
65.0	2.9	6.5	58.3	0.1	0.1

Annual Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	CO ₂
1.7	7.6	42.7	0.1	0.1	19,935
2.2	14.6	48.2	0.2	0.2	45,331
0.4	1.7	8.7	0.0	0.0	6,473
1.7	7.0	36.7	0.1	0.1	27,411
0.1	0.3	2.3	0.0	0.0	1,094
3.3	9.2	63.6	0.2	0.1	25,192
0.4	0.9	8.3	0.0	0.0	3,945
3.3	11.4	73.1	0.2	0.1	29,165
0.5	1.2	10.6	0.0	0.0	5,072
0.9	4.6	21.6	0.1	0.0	12,290
0.2	0.5	4.2	0.0	0.0	1,999
2.2	11.3	53.7	0.1	0.1	30,509
0.5	1.2	10.6	0.0	0.0	5,082

3,646	6,560	64.9	16.5	117,465	41.0
5,517	4,117	39.7	60.6		
4,424	5,970	53.0	21.1	107,889	42.0
4,930	4,074	44.4	57.9		
7,045	9,507	46.2	5.8	171,803	31.4
-	6,487	35.2	52.6		

40.0	5.7	25.3	142.6	0.3	0.3
40.0	5.2	23.2	131.0	0.3	0.2
30.0	11.1	37.8	243.1	0.5	0.5
117.86	476.79	2,622.42	6.41	5.98	

1.0	4.6	26.0	0.1	0.0	12,149
1.0	4.2	23.9	0.0	0.0	11,158
2.0	6.9	44.4	0.1	0.1	17,709
21.51	87.01	478.59	1.17	1.09	254,514

Alternative C					
Peak-Hour VMT		Speed (mph) (b)		Daily VMT	Avg Daily Speed
AM	PM	AM	PM	(mi/day)	(mph)
9,573	6,706	25.7	58.2	198,334	38.6
5,579	9,775	65.3	22.6		
9,734	11,574	63.6	55.7	294,333	58.6
11,782	10,206	54.6	61.9		
1,769	2,104	66.8	61.5	53,498	63.5
2,141	1,855	60.7	65.6		
7,368	8,761	64.3	57.0	222,799	63.5
8,919	7,726	65.3	68.2		
422	502	69.5	69.5	12,768	69.5
511	443	69.5	69.5		
9,817	6,956	18.2	54.7	227,076	27.4
3,603	11,278	70.0	5.0		
2,018	1,430	69.7	69.5	46,673	69.2
741	2,318	69.5	68.5		
13,669	8,282	5.0	59.2	285,994	29.8
5,521	12,538	69.3	20.1		
2,868	1,738	69.0	69.5	60,009	69.4
1,158	2,631	69.5	69.6		
5,147	3,119	30.7	65.2	107,692	46.4
2,079	4,721	70.0	40.7		
1,119	678	69.8	69.5	23,403	69.8
452	1,026	69.5	70.0		
12,683	7,685	34.6	66.0	265,371	48.9
5,123	11,634	70.0	43.8		
2,843	1,723	69.8	69.5	59,483	69.8
1,148	2,608	69.5	70.0		
3,750	6,749	64.1	11.6	120,842	38.1
5,675	4,236	36.6	59.3		
4,346	5,865	54.1	23.8	105,981	43.7
4,842	4,002	46.0	58.8		
7,055	9,520	46.1	5.6	172,028	32.2
7,860	6,496	35.0	52.5		

Daily Pollutants (lbs/day)					
Surrogate Speed (mph)	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
35.0	10.8	40.8	263.0	0.5	0.5
55.0	12.5	81.7	269.2	1.1	1.0
60.0	2.2	9.2	48.1	0.1	0.1
60.0	9.2	38.2	200.2	0.6	0.5
65.0	0.6	1.4	12.6	0.0	0.0
25.0	18.0	50.6	350.8	0.9	0.8
65.0	2.3	5.1	45.9	0.1	0.1
25.0	22.7	63.7	441.9	1.1	1.0
65.0	2.9	6.5	59.1	0.1	0.1
45.0	4.9	25.3	120.0	0.3	0.3
65.0	1.1	2.6	23.0	0.0	0.0
45.0	12.1	62.4	295.7	0.7	0.7
65.0	2.9	6.5	58.5	0.1	0.1
35.0	6.6	24.8	160.2	0.3	0.3
40.0	5.1	22.8	128.7	0.3	0.2
30.0	11.1	37.8	243.4	0.5	0.5
125.10	479.44	2,720.30	6.68	6.23	

Annual Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	CO ₂
2.0	7.4	48.0	0.1	0.1	19,409
2.3	14.9	49.1	0.2	0.2	46,190
0.4	1.7	8.8	0.0	0.0	6,558
1.7	7.0	36.5	0.1	0.1	27,311
0.1	0.3	2.3	0.0	0.0	1,096
3.3	9.2	64.0	0.2	0.1	25,345
0.4	0.9	8.4	0.0	0.0	4,007
4.1	11.6	80.6	0.2	0.2	31,921
0.5	1.2	10.8	0.0	0.0	5,152
0.9	4.6	21.9	0.1	0.0	12,434
0.2	0.5	4.2	0.0	0.0	2,009
2.2	11.4	54.0	0.1	0.1	30,639
0.5	1.2	10.7	0.0	0.0	5,107
1.2	4.5	29.2	0.1	0.1	11,825
0.9	4.2	23.5	0.0	0.0	10,961
2.0	6.9	44.4	0.1	0.1	17,733
22.83	87.50	496.45	1.22	1.14	257,696

Alternative D					
Peak-Hour VMT		Speed (mph) (b)		Daily VMT	Avg Daily Speed
AM	PM	AM	PM	(mi/day)	(mph)
9,618	6,738	25.0	57.9	199,266	38.1
5,605	9,821	65.1	21.9		
9,795	11,647	63.4	55.3	296,179	58.3
11,856	10,270	54.2	61.6		
1,768	2,102	66.8	61.5	53,465	63.5
2,140	1,854	60.8	65.7		
7,400	8,800	64.2	56.8	223,778	63.4
8,958	7,760	65.1	68.1		
411	488	69.5	69.5	12,415	69.5
497	430	69.5	69.5		
9,891	7,009	17.0	54.3	228,796	26.9
3,631	11,363	70.0	5.0		
2,030	1,439	69.7	69.5	46,968	69.2
745	2,333	69.5	68.4		
13,733	8,321	5.0	59.0	287,326	29.5
5,547	12,596	69.3	19.3		
2,886	1,749	68.9	69.5	60,387	69.3
1,166	2,647	69.5	69.6		
5,158	3,125	30.5	65.2	107,913	46.3
2,083	4,731	70.0	40.5		
1,126	682	69.8	69.5	23,560	69.8
455	1,033	69.5	70.0		

Daily Pollutants (lbs/day)					
Surrogate Speed (mph)	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
35.0	10.8	40.9	264.2	0.5	0.5
55.0	12.6	82.2	270.9	1.1	1.0
60.0	2.2	9.2	48.1	0.1	0.1
60.0	9.3	38.3	201.1	0.6	0.5
65.0	0.6	1.4	12.2	0.0	0.0
25.0	18.1	51.0	353.5	0.9	0.8
65.0	2.3	5.1	46.2	0.1	0.1
25.0	22.8	64.0	443.9	1.1	1.0
65.0	2.9	6.6	59.4	0.1	0.1
45.0	4.9	25.4	120.2	0.3	0.3
65.0	1.2	2.6	23.2	0.0	0.0

Annual Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	CO ₂
2.0	7.5	48.2	0.1	0.1	19,500
2.3	15.0	49.4	0.2	0.2	46,480
0.4	1.7	8.8	0.0	0.0	6,554
1.7	7.0	36.7	0.1	0.1	27,431
0.1	0.2	2.2	0.0	0.0	1,066
3.3	9.3	64.5	0.2	0.1	25,537
0.4	0.9	8.4	0.0	0.0	4,032
4.2	11.7	81.0	0.2	0.2	32,069
0.5	1.2	10.8	0.0	0.0	5,184
0.9	4.6	21.9	0.1	0.0	12,459
0.2	0.5	4.2	0.0	0.0	2,023

12,647	7,663	35.0	66.1	264,613	49.1
5,108	11,601	70.0	44.1		
2,862	1,734	69.8	69.5	59,883	69.8
1,156	2,625	69.5	70.0		
3,767	6,779	63.9	10.8	121,383	37.6
5,701	4,255	36.1	59.1		
4,373	5,902	53.7	22.9	106,645	43.1
4,873	4,027	45.4	58.5		
6,960	9,391	47.3	8.2	169,706	33.8
7,754	6,408	36.6	53.5		

2,262,283

45.0	12.1	62.3	294.9	0.7	0.7
65.0	2.9	6.5	58.9	0.1	0.1
35.0	6.6	24.9	160.9	0.3	0.3
40.0	5.2	22.9	129.5	0.3	0.2
30.0	10.9	37.3	240.1	0.5	0.5
	125.44	480.69	2,727.29	6.70	6.25

2.2	11.4	53.8	0.1	0.1	30,552
0.5	1.2	10.8	0.0	0.0	5,141
1.2	4.6	29.4	0.1	0.1	11,878
0.9	4.2	23.6	0.0	0.0	11,030
2.0	6.8	43.8	0.1	0.1	17,493
22.89	87.73	497.73	1.22	1.14	258,429

On-Ramp	Peak Hour	Number of Lanes		Storage Length (ft)		Alternative A			Alternative B			Alternative C			Alternative D		
		GP	HOV	GP	HOV	Ramp Volume (per lane)			Ramp Volume (per lane)			Ramp Volume (per lane)			Ramp Volume (per lane)		
						Total	GP	HOV	Total	GP	HOV	Total	GP	HOV	Total	GP	HOV
I-5 SB & Gilman Dr	AM	2	1	570	570	819	328	164	823	329	165	902	361	180	906	363	181
	PM					1889	756	378	1899	760	380	2015	806	403	2015	806	403
I-5 SB & Nobel Dr	AM	2	1	490	370	564	226	113	567	227	113	604	242	121	627	251	125
	PM					1690	676	338	1698	679	340	1802	721	360	1865	746	373
I-5 NB & La Jolla Village Dr (WB to NB)	AM	1	0	715	n/a	723	723	0	712	712	0	644	644	0	669	669	0
	PM					807	807	0	795	795	0	1191	1191	0	747	747	0
I-5 NB & La Jolla Village Dr (EB to NB)	AM	1	1	410	410	957	766	191	962	770	192	985	788	197	978	782	196
	PM					1419	1135	284	1426	1141	285	1459	1167	292	1450	1160	290
I-5 SB & La Jolla Village Dr (WB to SB)	AM	1	1	535	475	319	255	64	329	263	66	347	278	69	340	272	68
	PM					1111	889	222	1141	913	228	1191	953	238	1170	936	234
I-5 SB & La Jolla Village Dr (EB to SB)	AM	1	1	355	265	364	291	73	369	295	74	388	310	78	398	318	80
	PM					1349	1079	270	1361	1089	272	1421	1137	284	1458	1166	292
I-5 NB & Genesee Ave	AM	2	1	890	890	626	251	125	625	250	125	626	251	125	625	250	125
	PM					1977	791	395	1976	791	395	1972	789	394	1966	787	393
I-5 SB & Genesee Ave	AM	2	1	610	610	289	116	58	291	117	58	295	118	59	299	120	60
	PM					1092	437	218	1097	439	219	1110	444	222	1123	449	225
I-805 NB & La Jolla Village Dr (WB to NB)	AM	1	1	1850	1090	490	392	98	489	391	98	490	392	98	492	394	98
	PM					454	363	91	454	363	91	456	365	91	455	364	91
I-805 NB & La Jolla Village Dr (EB to NB)	AM	1	1	780	780	796	637	159	787	630	157	826	661	165	851	681	170
	PM					1363	1090	273	1349	1079	270	1414	1131	283	1452	1162	290
I-805 SB & La Jolla Village Dr (WB to SB)	AM	1	1	1290	1290	502	402	100	501	401	100	502	402	100	510	408	102
	PM					657	526	131	658	526	132	658	526	132	669	535	134
I-805 SB & La Jolla Village Dr (EB to SB)	AM	2	1	2220	920	523	209	105	523	209	105	553	221	111	545	218	109
	PM					1227	491	245	1229	492	246	1295	518	259	1278	511	256
I-805 SB & Nobel Dr	AM	2	1	915	915	695	278	139	692	277	138	759	304	152	747	299	149
	PM					683	273	137	680	272	136	747	299	149	734	294	147
I-805 NB Governor Dr	AM	1	1	420	420	379	303	76	388	310	78	387	310	77	400	320	80
	PM					325	260	65	333	266	67	330	264	66	343	274	69
I-805 SB & Governor Dr	AM	2	0	390	n/a	437	219	0	439	220	0	443	222	0	510	255	0
	PM					918	459	0	927	464	0	927	464	0	1067	534	0

ARTERIAL SEGMENT	Urban Street Class	Typical Free-Flow Speed	PEAK HOUR	Alt A			Alt A			Alt B			Alt B			Alt C			Alt C			Alt D			Alt D			
				Before Improvements			After Recommended Improvements			Before Improvements			After Recommended Improvements			Before Improvements			After Recommended Improvements			Before Improvements			After Recommended Improvements			
				TIME (S)	SPEED (a)	LOS (b)	TIME (S)	SPEED (a)	LOS (b)	TIME (S)	SPEED (a)	LOS (b)	TIME (S)	SPEED (a)	LOS (b)	TIME (S)	SPEED (a)	LOS (b)	TIME (S)	SPEED (a)	LOS (b)	TIME (S)	SPEED (a)	LOS (b)	TIME (S)	SPEED (a)	LOS (b)	TIME (S)
Genesee Ave																												
Northbound: SR-52 EB Ramps to N. Torrey Pines Rd	I	50 mph	AM	1,081	14.88	F	1,019	15.79	F	1,205	13.35	F	1,047	15.37	F	1,265	12.72	F	1,171	13.74	F	1,789	8.99	F	1,300	12.38	F	
			MID	779	20.60	E	796	20.18	E	782	20.53	E	792	20.28	E	797	20.14	E	788	20.38	E	856	18.77	E	833	19.29	E	
			PM	811	19.74	E	847	25.51	D	857	18.69	E	872	25.51	D	807	19.84	E	858	25.51	D	874	18.34	E	920	26.13	D	
Southbound: N. Torrey Pines Rd to SR-52 EB Ramps	I	50 mph	AM	876	20.26	E	884	18.21	E	882	20.13	E	886	18.17	E	888	19.99	E	897	17.93	E	894	19.85	E	899	17.90	E	
			MID	759	23.33	D	741	21.66	D	749	23.64	D	729	22.03	D	768	23.06	D	743	21.62	D	777	22.79	D	745	21.56	D	
			PM	999	17.69	E	1,001	25.99	D	1,227	14.41	F	972	26.15	D	1,409	12.55	F	1,185	25.34	D	1,660	10.65	F	1,143	25.99	D	
La Jolla Village Dr / Miramar Rd																												
Eastbound: Torrey Pines Rd to Camino Sante Fe	I	50 mph	AM	819	18.41	E	827	18.24	E	822	18.34	E	804	18.77	E	865	17.45	E	798	18.91	E	818	18.43	E	805	18.74	E	
			MID (c)	482	16.57	E	635	12.59	F	484	16.52	E	660	12.81	F	483	16.54	E	641	12.46	E	484	16.52	E	643	12.43	F	
			PM	1,737	8.68	F	1,585	9.52	F	1,758	8.58	F	1,606	9.39	F	1,732	8.71	F	1,585	9.52	F	1,732	8.71	F	1,585	9.52	F	
Westbound: Camino Sante Fe to Torrey Pines Rd	I	50 mph	AM	1,568	9.62	F	1,482	10.18	F	1,596	9.45	F	1,514	9.96	F	1,574	9.58	F	1,495	10.09	F	1,562	9.66	F	1,478	10.21	F	
			MID (c)	537	14.15	F	573	12.51	F	1,184	16.78	E	562	13.52	F	536	13.36	F	570	13.32	F	535	13.40	F	569	13.35	F	
			PM	950	15.88	F	960	15.71	F	948	15.91	F	958	15.74	F	909	16.59	E	914	16.50	E	909	16.59	E	914	16.50	E	
Nobel Dr																												
Eastbound: La Jolla Village Sq to Miramar Rd	II	40 mph	AM	651	16.10	E	651	16.10	E	647	16.18	E	648	16.16	E	657	15.95	E	657	15.95	E	659	15.91	E	659	15.91	E	
			MID	637	16.49	E	636	16.54	E	631	16.66	E	629	16.70	E	636	16.53	E	636	16.53	E	632	16.64	E	632	16.64	E	
			PM	978	10.79	F	978	10.79	F	990	10.66	F	987	10.69	F	1,005	10.49	F	1,005	10.49	F	1,024	10.30	F	1,024	10.30	F	
Westbound: Miramar Rd to La Jolla Village Sq	II	40 mph	AM	590	16.91	E	590	16.91	E	591	16.87	E	591	16.86	E	585	17.03	D	585	17.03	D	589	16.93	E	589	16.93	E	
			MID	627	15.95	E	626	15.98	E	627	15.97	E	625	16.00	E	617	16.23	E	617	16.23	E	628	15.95	E	628	15.95	E	
			PM	824	12.15	F	828	12.09	F	847	11.82	F	852	11.75	F	804	12.45	F	804	12.45	F	817	12.25	F	817	12.25	F	
Regents Rd																												
Northbound: Luna Ave to Genesee Ave	II	40 mph	AM	877	15.35	E	785	17.15	D	898	14.95	E	798	16.83	E													
			MID	638	21.01	D	643	20.88	D	641	20.89	D	669	20.06	D													
			PM	795	16.88	E	751	17.88	D	797	16.89	E	729	18.37	D													
Southbound: Genesee Ave to Luna Ave	II	40 mph	AM	654	20.59	D	607	22.17	C	636	21.11	D	635	21.16	D													
			MID	592	22.62	C	567	23.69	C	593	22.60	C	597	22.50	C													
			PM	952	14.11	E	895	15.01	E	1,028	13.10	E	927	14.45	E													

Notes: (a) Speed is calculated as the roadway segment distance divided by the travel time in miles per hour (mph).

the number of signals per mile and by the intersection control delay.

(c) Midday Peak La Jolla Village Dr arterial segment from Torrey Pines Rd to I-805 Southbound Ramps

ARTERIAL SEGMENT	Urban Street Class	Typical Free-Flow Speed	PEAK HOUR	Alt C			Alt C			Alt D			Alt D		
				Before Improvements			After Recommended Improvements			Before Improvements			After Recommended Improvements		
				TIME (S)	SPEED (a)	LOS (b)	TIME (S)	SPEED (a)	LOS (b)	TIME (S)	SPEED (a)	LOS (b)	TIME (S)	SPEED (a)	LOS (b)
Regents Rd (N)															
Northbound: Rose Canyon to Genesee Ave	II	40 mph	AM	404	13	F	404	13	F	403	13	F	403	13	F
			MID	357	14	E	357	14	E	357	14	E	357	14	E
			PM	378	13	E	378	13	E	383	13	E	383	13	E
Southbound: Genesee Ave to Rose Canyon	II	40 mph	AM	331	15	E	331	15	E	328	15	E	328	15	E
			MID	317	16	E	317	16	E	316	16	E	316	16	E
			PM	376	13	E	376	13	E	400	13	F	400	13	F
Regents Rd (S)															
Northbound: Luna Ave to Rose Canyon	II	40 mph	AM	219	25	C	200	27	C	224	24	C	206	26	C
			MID	178	31	B	159	34	B	181	30	B	162	33	B
			PM	206	26	C	189	29	B	224	24	C	221	24	C
Southbound: Rose Canyon to Luna Ave	II	40 mph	AM	204	27	C	194	28	B	200	27	C	184	29	B
			MID	139	27	C	139	27	C	140	27	C	145	26	C
			PM	247	22	D	268	20	D	286	19	D	276	20	D

Notes: (a) Speed is calculated as the roadway segment distance divided by the travel time in miles per hour (mph).

the number of signals per mile and by the intersection control delay.

(c) Midday Peak La Jolla Village Dr arterial segment from Torrey Pines Rd to I-805 Southbound Ramps

University Community Plan Amendment
Genesee Avenue

ROADWAY SEGMENT	DIREC TION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM	MID	PM	Daily				
						HORIZON YEAR		HORIZON YEAR		HORIZON YEAR		HORIZON YEAR	
						Alt A		Alt A		Alt A		Alt A	
						Regents Bridge 6-lane Genesee		Regents Bridge 6-lane Genesee		Regents Bridge 6-lane Genesee		Regents Bridge 6-lane Genesee	
SIMULATION		SIMULATION		SIMULATION				Average Speed					
SPEED (a)	LOS (b)	SPEED (a)	LOS (b)	SPEED (a)	LOS (b)								
Genesee Ave													
SR-52 EB Ramps to Governor Dr	NB	I	0.76	48,700	36,894	13.7	F	30.3	C	25.5	D	31.6	
	SB	I				41.7	B	41.6	B	36.5	B		
Governor Dr to Centurion Sq	NB	I	0.57	43,900	24,943	28.1	C	33.5	C	41.5	B	30.3	
	SB	I				24.9	D	28.6	C	24.9	D		
Centurion Sq to Decoro St	NB	I	0.28	39,600	11,250	25.5	D	23.7	D	29.3	C	28.3	
	SB	I				30.0	C	33.1	C	28.2	C		
Decoro St to Nobel Dr	NB	I	0.19	39,600	7,500	16.7	E	22.3	D	20.6	E	17.3	
	SB	I				17.3	E	19.7	E	6.9	F		
Nobel Dr to Esplanade Ct	NB	I	0.21	27,300	5,688	15.6	F	8.7	F	7.2	F	11.7	
	SB	I				12.5	F	16.3	E	9.7	F		
Esplanade Ct to La Jolla Village Dr	NB	I	0.19	41,800	7,917	3.1	F	8.2	F	8.6	F	13.8	
	SB	I				30.2	C	15.3	F	17.4	E		
La Jolla Village Dr to Executive Sq	NB	I	0.09	40,600	3,845	17.7	E	12.6	F	19.6	E	11.1	
	SB	I				4.5	F	7.5	F	4.7	F		
Executive Square to Executive Dr	NB	I	0.08	40,600	3,076	10.7	F	16.5	E	16.6	E	13.9	
	SB	I				24.9	D	9.4	F	5.2	F		
Executive Dr to Eastgate Mall	NB	I	0.17	40,600	6,920	10.6	F	29.8	C	11.5	F	19.8	
	SB	I				26.9	D	27.9	C	12.1	F		
Eastgate Mall to Regents Rd	NB	I	0.34	40,600	13,841	24.9	D	26.0	D	25.4	D	23.4	
	SB	I				15.3	F	21.9	D	27.0	C		
Regents Rd to Campus Point Dr	NB	I	0.15	54,300	8,227	11.7	F	16.1	E	14.1	F	15.3	
	SB	I				11.8	F	24.7	D	13.1	F		
Campus Point Dr to Scripps Hospital	NB	I	0.21	54,300	11,313	32.9	C	16.4	E	27.6	C	20.2	
	SB	I				13.5	F	18.3	E	12.3	F		
Scripps Hospital to I-5 NB Ramps	NB	I	0.34	54,300	18,511	17.1	E	18.6	E	18.5	E	18.5	
	SB	I				18.8	E	18.1	E	19.7	E		
I-5 NB Ramps to I-5 SB Ramps	NB	I	0.09	62,100	5,881	7.5	F	30.5	C	24.7	D	18.3	
	SB	I				5.8	F	18.1	E	23.4	D		
I-5 SB Ramps to Science Center Dr	NB	I	0.32	46,100	14,843	23.6	D	30.4	C	26.0	D	22.5	
	SB	I				20.6	E	19.8	E	14.8	F		
Science Center Dr to John Hopkins Dr	NB	I	0.34	46,100	15,716	25.2	D	19.9	E	19.9	E	27.7	
	SB	I				37.5	B	32.9	C	30.8	C		
John Hopkins Drive to N. Torrey Pines Rd	NB	I	0.09	46,100	4,366	23.9	D	27.9	C	25.5	D	21.7	
	SB	I				24.7	D	17.1	E	10.8	F		
<i>Total</i>	NB	I				14.9	F	20.6	E	19.7	E		
	SB	I				20.3	E	23.3	D	17.7	E		

200,729

Surrogate Speed (mph)	Daily Pollutants (lbs/day)				
	ROG	NOx	CO	PM10	PM2.5

Annual Pollutants (tons/year)					
ROG	NOx	CO	PM10	PM2.5	MT CO2

30.0	2.4	8.1	52.2	0.1	0.1	0.4	1.5	9.5	0.0	0.0	3,803
30.0	1.6	5.5	35.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2,571
25.0	0.9	2.5	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,256
15.0	1.6	10.6	17.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1,714
10.0	2.1	21.1	24.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2,082
10.0	2.9	29.4	33.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2,897
10.0	1.4	14.3	16.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1,407
10.0	1.1	11.4	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,126
15.0	1.4	9.8	15.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1,581
20.0	1.7	10.3	26.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2,377
15.0	1.7	11.7	18.9	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1,880
20.0	1.4	8.4	21.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1,943
15.0	3.8	26.3	42.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	4,230
15.0	1.2	8.3	13.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1,344
20.0	1.8	11.0	28.6	0.1	0.1	0.0	0.0	0.0	0.0	0.0	2,549
25.0	1.2	3.5	24.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1,754
20.0	0.5	3.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	750
	29.0	195.6	410.0	1.4	1.3	0.4	1.6	9.7	0.0	0.0	35,264

ROADWAY SEGMENT	DIREC TION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM	MID	PM	Daily				
						HORIZON YEAR		HORIZON YEAR		HORIZON YEAR		HORIZON YEAR	
						Alt B		Alt B		Alt B		Alt B	
						Regents Bridge 4-lane Genesee		Regents Bridge 4-lane Genesee		Regents Bridge 4-lane Genesee		Regents Bridge 4-lane Genesee	
SIMULATION		SIMULATION		SIMULATION				Average Speed					
SPEED (a)	LOS (b)	SPEED (a)	LOS (b)	SPEED (a)	LOS (b)								
Genesee Ave													
SR-52 EB Ramps to Governor Dr	NB	I	0.76	44,300	33,561	13.2	F	29.8	C	20.7	E	30.6	
	SB	I				41.7	B	41.6	B	36.6	B		
Governor Dr to Centurion Sq	NB	I	0.57	40,900	23,239	21.7	D	38.7	B	39.1	B	27.6	
	SB	I				24.9	D	28.1	C	13.1	F		
Centurion Sq to Decoro St	NB	I	0.28	39,600	11,250	17.3	E	20.8	E	21.0	E	24.2	
	SB	I				29.4	C	35.1	B	21.3	D		

Surrogate Speed (mph)	Daily Pollutants (lbs/day)				
	ROG	NOx	CO	PM10	PM2.5

Annual Pollutants (tons/year)					
ROG	NOx	CO	PM10	PM2.5	MT CO2

30.0	2.2	7.4	47.5	0.1	0.1	0.4	1.3	8.7	0.0	0.0	3,459
25.0	1.8	5.2	35.9	0.1	0.1	0.3	0.9	6.6	0.0	0.0	2,594
20.0	1.4	8.4	21.7	0.1	0.1	0.3	1.5	4.0	0.0	0.0	1,932

Decoro St to Nobel Dr	NB	I	0.19	39,600	7,500	6.0	F	19.7	E	19.3	E	15.5
	SB	I				16.2	E	28.8	C	2.7	F	
Nobel Dr to Esplanade Ct	NB	I	0.21	27,400	5,708	13.7	F	8.8	F	7.1	F	11.6
	SB	I				12.8	F	16.5	E	10.4	F	
Esplanade Ct to La Jolla Village Dr	NB	I	0.19	41,900	7,936	3.1	F	8.2	F	8.6	F	13.8
	SB	I				30.1	C	15.4	F	17.4	E	
La Jolla Village Dr to Executive Sq	NB	I	0.09	40,300	3,816	17.6	E	12.6	F	19.5	E	11.1
	SB	I				4.5	F	7.5	F	4.8	F	
Executive Square to Executive Dr	NB	I	0.08	40,300	3,053	10.9	F	16.5	E	16.7	E	13.9
	SB	I				24.6	D	9.5	F	5.4	F	
Executive Dr to Eastgate Mall	NB	I	0.17	40,300	6,869	11.1	F	29.8	C	11.5	F	19.9
	SB	I				26.9	D	27.8	C	12.1	F	
Eastgate Mall to Regents Rd	NB	I	0.34	40,300	13,739	24.8	D	26.0	D	25.5	D	23.5
	SB	I				15.5	F	21.9	D	27.0	C	
Regents Rd to Campus Point Dr	NB	I	0.15	54,700	8,288	11.7	F	16.1	E	14.0	F	15.2
	SB	I				11.7	F	24.7	D	13.1	F	
Campus Point Dr to Scripps Hospital	NB	I	0.21	54,700	11,396	32.9	C	16.4	E	27.5	C	20.2
	SB	I				13.5	F	18.3	E	12.4	F	
Scripps Hospital to I-5 NB Ramps	NB	I	0.34	54,700	18,648	17.0	E	18.7	E	18.5	E	18.5
	SB	I				19.0	E	18.1	E	19.7	E	
I-5 NB Ramps to I-5 SB Ramps	NB	I	0.09	62,200	5,890	7.5	F	29.5	C	24.5	D	18.0
	SB	I				5.4	F	17.9	E	23.2	D	
I-5 SB Ramps to Science Center Dr	NB	I	0.32	46,100	14,843	23.6	D	30.3	C	26.0	D	22.5
	SB	I				20.6	E	19.6	E	14.9	F	
Science Center Dr to John Hopkins Dr	NB	I	0.34	46,100	15,716	25.2	D	19.9	E	19.9	E	27.7
	SB	I				37.6	B	32.9	C	30.9	C	
John Hopkins Drive to N. Torrey Pines Rd	NB	I	0.09	46,100	4,366	23.9	D	27.7	C	25.5	D	21.7
	SB	I				24.9	D	17.3	E	10.9	F	
Total	NB	I				15.4	F	20.5	E	18.7	E	
	SB	I				18.2	E	23.6	D	14.4	F	

15.0	1.6	10.6	17.2	0.1	0.1
10.0	2.1	21.2	24.3	0.1	0.1
10.0	2.9	29.5	33.7	0.1	0.1
10.0	1.4	14.2	16.2	0.1	0.1
10.0	1.1	11.3	13.0	0.0	0.0
15.0	1.4	9.7	15.8	0.1	0.1
20.0	1.7	10.2	26.5	0.1	0.1
15.0	1.7	11.8	19.0	0.1	0.1
20.0	1.4	8.5	22.0	0.1	0.1
15.0	3.9	26.4	42.8	0.2	0.2
15.0	1.2	8.4	13.5	0.1	0.1
20.0	1.8	11.0	28.6	0.1	0.1
25.0	1.2	3.5	24.3	0.1	0.1
20.0	0.5	3.2	8.4	0.0	0.0
	29.5	200.6	410.5	1.4	1.3

0.3	1.9	3.1	0.0	0.0	1,714
0.4	3.9	4.4	0.0	0.0	2,089
0.5	5.4	6.2	0.0	0.0	2,904
0.3	2.6	3.0	0.0	0.0	1,397
0.2	2.1	2.4	0.0	0.0	1,117
0.3	1.8	2.9	0.0	0.0	1,570
0.3	1.9	4.8	0.0	0.0	2,360
0.3	2.1	3.5	0.0	0.0	1,894
0.3	1.5	4.0	0.0	0.0	1,957
0.7	4.8	7.8	0.0	0.0	4,261
0.2	1.5	2.5	0.0	0.0	1,346
0.3	2.0	5.2	0.0	0.0	2,549
0.2	0.6	4.4	0.0	0.0	1,754
0.1	0.6	1.5	0.0	0.0	750
5.4	36.6	74.9	0.3	0.2	35,648

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM		MID		PM		Daily
						HORIZON YEAR		HORIZON YEAR		HORIZON YEAR		HORIZON YEAR
						Alt C		Alt C		Alt C		Alt C
						No Bridge 6-lane Genesee		No Bridge 6-lane Genesee		No Bridge 6-lane Genesee		No Bridge 6-lane Genesee
						SIMULATION		SIMULATION		SIMULATION		Average Speed
SPEED (a)		LOS (b)		SPEED (a)		LOS (b)		SPEED (a)		LOS (b)		
Genesee Ave												
SR-52 EB Ramps to Governor Dr	NB	I	0.76	47,700	36,136	11.2	F	27.2	C	24.6	D	30.4
	SB	I				41.7	B	41.6	B	35.9	B	
Governor Dr to Centurion Sq	NB	I	0.57	58,200	33,068	14.7	F	38.7	A	38.9	B	24.8
	SB	I				22.4	D	25.1	D	9.2	F	
Centurion Sq to Decoro St	NB	I	0.28	49,400	14,034	20.8	E	21.5	D	29.6	C	25.8
	SB	I				29.8	C	34.3	B	19.0	E	
Decoro St to Nobel Dr	NB	I	0.19	49,400	9,356	14.7	F	22.1	C	24.5	D	18.2
	SB	I				16.1	E	29.3	C	2.6	F	
Nobel Dr to Esplanade Ct	NB	I	0.21	30,300	6,313	15.6	F	10.5	F	7.5	F	10.8
	SB	I				12.2	F	13.8	F	5.2	F	
Esplanade Ct to La Jolla Village Dr	NB	I	0.19	46,500	8,807	2.5	F	7.6	F	8.6	F	13.6
	SB	I				31.1	C	15.2	F	16.7	E	
La Jolla Village Dr to Executive Sq	NB	I	0.09	40,700	3,854	15.7	F	11.5	F	20.2	E	10.4
	SB	I				4.6	F	7.1	F	3.2	F	
Executive Square to Executive Dr	NB	I	0.08	40,700	3,083	10.6	F	15.9	E	16.5	E	14.1
	SB	I				24.7	D	9.7	F	7.3	F	
Executive Dr to Eastgate Mall	NB	I	0.17	40,700	6,938	10.6	F	28.8	B	11.6	F	19.5
	SB	I				26.6	D	27.6	C	11.5	F	
Eastgate Mall to Regents Rd	NB	I	0.34	40,700	13,875	26.4	D	27.7	C	25.4	D	23.8
	SB	I				14.8	F	21.5	D	26.9	D	
Regents Rd to Campus Point Dr	NB	I	0.15	54,800	8,303	11.5	F	16.2	E	14.4	F	15.6
	SB	I				12.8	F	25.5	D	13.1	F	
Campus Point Dr to Scripps Hospital	NB	I	0.21	54,800	11,417	33.1	C	16.1	E	27.5	C	20.4
	SB	I				13.9	F	18.6	E	13.3	F	
Scripps Hospital to I-5 NB Ramps	NB	I	0.34	54,800	18,682	17.2	E	18.5	D	18.4	E	18.4
	SB	I				18.8	E	18.1	E	19.5	E	

Surrogate Speed (mph)	Daily Pollutants (lbs/day)				
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
30.0	2.3	7.9	51.1	0.1	0.1
20.0	4.1	24.6	63.8	0.2	0.2
25.0	1.1	3.1	21.7	0.1	0.0
15.0	1.9	13.3	21.5	0.1	0.1
10.0	2.3	23.5	26.8	0.1	0.1
10.0	3.3	32.7	37.5	0.1	0.1
10.0	1.4	14.3	16.4	0.1	0.1
10.0	1.1	11.5	13.1	0.0	0.0
15.0	1.4	9.8	15.9	0.1	0.1
20.0	1.7	10.3	26.8	0.1	0.1
15.0	1.7	11.8	19.1	0.1	0.1
20.0	1.4	8.5	22.0	0.1	0.1
15.0	3.9	26.5	42.9	0.2	0.2

Annual Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
0.4	1.5	9.3	0.0	0.0	3,725
0.7	4.5	11.6	0.0	0.0	5,679
0.2	0.6	4.0	0.0	0.0	1,566
0.4	2.4	3.9	0.0	0.0	2,138
0.4	4.3	4.9	0.0	0.0	2,310
0.6	6.0	6.8	0.0	0.0	3,223
0.3	2.6	3.0	0.0	0.0	1,411
0.2	2.1	2.4	0.0	0.0	1,128
0.3	1.8	2.9	0.0	0.0	1,585
0.3	1.9	4.9	0.0	0.0	2,383
0.3	2.1	3.5	0.0	0.0	1,897
0.3	1.5	4.0	0.0	0.0	1,961
0.7	4.8	7.8	0.0	0.0	4,269

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM	MID	PM	Daily			
						HORIZON YEAR	HORIZON YEAR	HORIZON YEAR	HORIZON YEAR			
						Alt D	Alt D	Alt D	Alt D			
						No Bridge	No Bridge	No Bridge	No Bridge			
						4-lane Genesee	4-lane Genesee	4-lane Genesee	4-lane Genesee			
						SPEED (a)	SPEED (a)	SPEED (a)	Average Speed			
						LOS (b)	LOS (b)	LOS (b)				
I-5 NB Ramps to I-5 SB Ramps	NB	I	0.09	62,300	5,900	7.4	F	30.2	B	24.4	D	18.1
	SB	I				5.7	F	17.8	E	23.2	D	
I-5 SB Ramps to Science Center Dr	NB	I	0.32	46,100	14,843	23.6	D	30.4	B	26.1	D	22.6
	SB	I				20.6	E	19.8	E	14.9	F	
Science Center Dr to John Hopkins Dr	NB	I	0.34	46,100	15,716	25.2	D	15.8	E	20.0	E	27.0
	SB	I				37.6	B	32.1	C	31.1	C	
John Hopkins Drive to N. Torrey Pines Rd	NB	I	0.09	46,100	4,366	23.3	D	27.7	C	25.5	D	21.6
	SB	I				24.5	D	17.6	E	11.1	F	
Total	NB	I				12.7	F	20.1	E	19.8	E	
	SB	I				20.0	E	23.1	D	12.5	F	

Surrogate Speed (mph)	ROG	NOx	CO	PM10	PM2.5
15.0	1.2	8.4	13.5	0.1	0.1
20.0	1.8	11.0	28.6	0.1	0.1
25.0	1.2	3.5	24.3	0.1	0.1
20.0	0.5	3.2	8.4	0.0	0.0
	32.6	224.0	453.5	1.6	1.5

Annual Pollutants (tons/year)					
ROG	NOx	CO	PM10	PM2.5	MT CO2
0.2	1.5	2.5	0.0	0.0	1,348
0.3	2.0	5.2	0.0	0.0	2,549
0.2	0.6	4.4	0.0	0.0	1,754
0.1	0.6	1.5	0.0	0.0	750
6.0	40.9	82.8	0.3	0.3	39,678

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM	MID	PM	Daily			
						HORIZON YEAR	HORIZON YEAR	HORIZON YEAR	HORIZON YEAR			
						Alt D	Alt D	Alt D	Alt D			
						No Bridge	No Bridge	No Bridge	No Bridge			
						4-lane Genesee	4-lane Genesee	4-lane Genesee	4-lane Genesee			
						SPEED (a)	SPEED (a)	SPEED (a)	Average Speed			
						LOS (b)	LOS (b)	LOS (b)				
Genesee Ave												
SR-52 EB Ramps to Governor Dr	NB	I	0.76	43,500	32,955	8.5	F	27.1	C	23.4	D	29.7
	SB	I				41.3	B	41.2	B	36.5	B	
Governor Dr to Centurion Sq	NB	I	0.57	54,600	31,023	6.8	F	37.7	A	36.4	B	23.4
	SB	I				22.8	D	24.7	D	11.9	F	
Centurion Sq to Decoro St	NB	I	0.28	46,500	13,210	6.3	F	19.9	D	27.0	D	20.1
	SB	I				29.0	C	31.7	C	6.6	F	
Decoro St to Nobel Dr	NB	I	0.19	46,500	8,807	3.8	F	20.2	D	21.4	D	14.5
	SB	I				14.8	F	25.5	D	1.4	F	
Nobel Dr to Esplanade Ct	NB	I	0.21	29,700	6,188	9.1	F	6.1	F	4.9	F	8.8
	SB	I				11.8	F	15.0	F	6.1	F	
Esplanade Ct to La Jolla Village Dr	NB	I	0.19	46,400	8,788	2.5	F	7.5	F	8.8	F	13.2
	SB	I				30.0	C	14.5	F	15.8	F	
La Jolla Village Dr to Executive Sq	NB	I	0.09	40,800	3,864	15.7	F	12.1	F	20.2	E	10.5
	SB	I				4.6	F	7.2	F	3.2	F	
Executive Square to Executive Dr	NB	I	0.08	40,800	3,091	10.7	F	16.0	E	16.7	E	14.1
	SB	I				24.6	D	9.1	F	7.3	F	
Executive Dr to Eastgate Mall	NB	I	0.17	40,800	6,955	10.3	F	28.8	B	11.5	F	19.4
	SB	I				26.6	D	27.6	C	11.4	F	
Eastgate Mall to Regents Rd	NB	I	0.34	40,800	13,909	26.3	D	27.4	C	25.6	D	23.7
	SB	I				14.7	F	21.3	D	26.9	D	
Regents Rd to Campus Point Dr	NB	I	0.15	54,600	8,273	11.5	F	16.3	E	14.5	F	15.7
	SB	I				12.9	F	26.0	D	13.1	F	
Campus Point Dr to Scripps Hospital	NB	I	0.21	54,600	11,375	33.1	C	16.1	E	27.4	C	20.4
	SB	I				13.8	F	18.5	E	13.7	F	
Scripps Hospital to I-5 NB Ramps	NB	I	0.34	54,600	18,614	17.2	E	18.6	D	18.4	E	18.4
	SB	I				18.8	E	18.0	E	19.3	E	
I-5 NB Ramps to I-5 SB Ramps	NB	I	0.09	62,100	5,881	7.4	F	29.5	B	23.1	D	17.7
	SB	I				5.8	F	17.6	E	22.8	D	
I-5 SB Ramps to Science Center Dr	NB	I	0.32	46,000	14,811	23.6	D	30.5	B	26.1	D	22.5
	SB	I				20.4	E	19.5	E	15.0	F	
Science Center Dr to John Hopkins Dr	NB	I	0.34	46,000	15,682	25.3	D	16.1	E	20.0	E	27.2
	SB	I				37.7	B	32.2	C	31.6	C	
John Hopkins Drive to N. Torrey Pines Rd	NB	I	0.09	46,000	4,356	23.1	D	25.3	C	26.1	D	21.6
	SB	I				25.1	D	18.9	E	10.8	F	
Total	NB	I				9.0	F	18.8	E	18.3	E	
	SB	I				19.8	E	22.8	D	10.6	F	

207,778

Surrogate Speed (mph)	Daily Pollutants (lbs/day)				
	ROG	NOx	CO	PM10	PM2.5
25.0	2.6	7.3	50.9	0.1	0.1
20.0	3.8	23.1	59.9	0.2	0.2
20.0	1.6	9.8	25.5	0.1	0.1
10.0	3.3	32.7	37.5	0.1	0.1
5.0	3.2	24.8	35.9	0.1	0.1
10.0	3.3	32.7	37.4	0.1	0.1
10.0	1.4	14.4	16.4	0.1	0.1
10.0	1.1	11.5	13.1	0.0	0.0
15.0	1.4	9.9	16.0	0.1	0.1
20.0	1.7	10.3	26.8	0.1	0.1
15.0	1.7	11.7	19.0	0.1	0.1
20.0	1.4	8.5	21.9	0.1	0.1
15.0	3.9	26.4	42.7	0.2	0.2
15.0	1.2	8.3	13.5	0.1	0.1
20.0	1.8	11.0	28.6	0.1	0.1
25.0	1.2	3.5	24.2	0.1	0.1
20.0	0.5	3.2	8.4	0.0	0.0
	35.3	249.2	477.8	1.7	1.6

Annual Pollutants (tons/year)					
ROG	NOx	CO	PM10	PM2.5	MT CO2
0.5	1.3	9.3	0.0	0.0	3,678
0.7	4.2	10.9	0.0	0.0	5,328
0.3	1.8	4.7	0.0	0.0	2,269
0.6	6.0	6.8	0.0	0.0	3,223
0.6	4.5	6.6	0.0	0.0	2,653
0.6	6.0	6.8	0.0	0.0	3,216
0.3	2.6	3.0	0.0	0.0	1,414
0.2	2.1	2.4	0.0	0.0	1,131
0.3	1.8	2.9	0.0	0.0	1,589
0.3	1.9	4.9	0.0	0.0	2,389
0.3	2.1	3.5	0.0	0.0	1,891
0.3	1.5	4.0	0.0	0.0	1,954
0.7	4.8	7.8	0.0	0.0	4,254
0.2	1.5	2.5	0.0	0.0	1,344
0.3	2.0	5.2	0.0	0.0	2,544
0.2	0.6	4.4	0.0	0.0	1,750
0.1	0.6	1.5	0.0	0.0	748
6.4	45.5	87.2	0.3	0.3	41,375

University Community Plan Amendment
 La Jolla Village Drive

ROADWAY SEGMENT	DIREC-TION	URBAN STREET CLASS	Segement Length (mi)	ADT	Daily VMT	AM	MID	PM	Daily			
						HORIZON YEAR		HORIZON YEAR		HORIZON YEAR		HORIZON YEAR
						Alt A		Alt A		Alt A		Alt A
						Regents Bridge 6-lane Genesee		Regents Bridge 6-lane Genesee		Regents Bridge 6-lane Genesee		Regents Bridge 6-lane Genesee
SIMULATION		SIMULATION		SIMULATION								
SPEED	LOS (b)	SPEED	LOS (b)	SPEED	LOS (b)	Average Speed						
La Jolla Village Drive												
Torrey Pines Rd to La Jolla Scenic Dr	EB	I	0.09	54,300	4,628	7.2	F	10.8	F	3.0	F	11.9
	WB	I				17.9	E	19.1	E	13.6	F	
La Jolla Scenic Dr to Villa La Jolla Dr	EB	I	0.45	54,300	24,168	17.3	E	14.3	F	3.3	F	18.9
	WB	I				24.1	D	21.0	E	33.2	C	
Villa La Jolla Dr to I-5 SB Off-Ramp	EB	I	0.15	76,400	11,576	24.7	D	23.0	D	23.4	D	16.9
	WB	I				3.5	F	12.5	F	14.2	F	
I-5 SB Off-Ramp to I-5 NB Ramps	EB	I	0.17	59,400	10,125	12.1	F	20.4	E	22.6	D	14.0
	WB	I				7.0	F	4.3	F	17.6	E	
I-5 NB Ramps to Lebon Dr	EB	I	0.27	52,000	14,280	15.8	F	21.1	D	10.6	F	20.8
	WB	I				22.9	D	27.2	C	27.3	C	
Lebon Dr to Regents Rd	EB	I	0.33	49,900	16,539	12.8	F	13.4	F	6.8	F	17.1
	WB	I				23.8	D	20.1	E	25.8	D	
Regents Rd to Genesee Ave	EB	I	0.26	52,400	13,398	11.8	F	14.7	F	17.8	E	13.3
	WB	I				13.5	F	15.8	F	6.1	F	
Genesee Ave to Executive Way	EB	I	0.27	49,400	13,566	21.4	D	17.3	E	6.5	F	13.0
	WB	I				6.1	F	14.7	F	11.9	F	
Executive Way to Towne Center Dr	EB	I	0.13	67,600	8,962	17.3	E	17.3	E	1.5	F	9.7
	WB	I				3.3	F	11.7	F	7.0	F	
Towne Center Dr to I-805 SB Ramps	EB	I	0.23	67,600	15,364	31.1	C	34.5	B	28.0	C	21.8
	WB	I				4.7	F	20.9	E	11.8	F	
Miramar Road												
I-805 SB Ramps to I-805 NB Ramps	EB	I	0.34	67,600	23,045	13.4	F			18.7	E	14.1
	WB	I				3.7	F	20.5	E			
I-805 NB Ramps to Nobel Dr	EB	I	0.40	67,600	26,886	23.2	D			21.5	D	24.3
	WB	I				27.5	C	25.0	D			
Nobel Dr to Eastgate Mall	EB	I	0.27	69,000	18,295	28.1	C			23.0	D	29.3
	WB	I				34.0	B	32.0	C			
Eastgate Mall to Miramar Mall	EB	I	0.21	72,200	15,042	24.6	D			24.1	D	18.7
	WB	I				16.6	E	9.5	F			
Miramar Mall to Miramar Place	EB	I	0.26	72,200	18,460	26.5	D			27.8	C	21.6
	WB	I				14.4	F	17.7	E			
Miramar Place to Camino Sante Fe	EB	I	0.34	72,200	24,614	29.2	C			24.8	D	26.2
	WB	I				22.2	D	28.7	C			
Total	EB	I				18.4	E	16.6	E	8.7	F	
	WB	I				9.6	F	14.1	F	15.9	F	

258947.9

Surrogate Speed (mph)	Daily Pollutants (lbs/day)					Annual Pollutants (tons/year)					
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
10.0	1.7	17.2	19.7	0.1	0.1	0.3	3.1	3.6	0.0	0.0	1,694
15.0	5.0	34.3	55.5	0.2	0.2	0.9	6.3	10.1	0.0	0.0	5,523
15.0	2.4	16.4	26.6	0.1	0.1	0.4	3.0	4.8	0.0	0.0	2,645
10.0	3.8	37.6	43.1	0.2	0.1	0.7	6.9	7.9	0.0	0.0	3,706
20.0	1.8	10.6	27.6	0.1	0.1	0.3	1.9	5.0	0.0	0.0	2,453
15.0	3.4	23.5	38.0	0.2	0.2	0.6	4.3	6.9	0.0	0.0	3,780
10.0	5.0	49.8	57.0	0.2	0.2	0.9	9.1	10.4	0.0	0.0	4,903
10.0	5.0	50.4	57.7	0.2	0.2	0.9	9.2	10.5	0.0	0.0	4,965
5.0	4.6	36.0	52.1	0.2	0.2	0.8	6.6	9.5	0.0	0.0	3,843
20.0	1.9	11.4	29.6	0.1	0.1	0.3	2.1	5.4	0.0	0.0	2,639
10.0	8.6	85.7	98.0	0.3	0.3	1.6	15.6	17.9	0.1	0.1	8,434
20.0	3.3	20.0	51.9	0.2	0.2	0.6	3.6	9.5	0.0	0.0	4,618
25.0	1.5	4.1	28.3	0.1	0.1	0.3	0.7	5.2	0.0	0.0	2,042
15.0	3.1	21.3	34.5	0.2	0.1	0.6	3.9	6.3	0.0	0.0	3,437
20.0	2.3	13.7	35.6	0.1	0.1	0.4	2.5	6.5	0.0	0.0	3,170
25.0	2.0	5.5	38.0	0.1	0.1	0.4	1.0	6.9	0.0	0.0	2,747
	55.2	437.5	693.0	2.6	2.4	10.1	79.8	126.5	0.5	0.4	60,598

ROADWAY SEGMENT	DIREC-TION	URBAN STREET CLASS	Segement Length (mi)	ADT	Daily VMT	AM	MID	PM	Daily			
						HORIZON YEAR		HORIZON YEAR		HORIZON YEAR		HORIZON YEAR
						Alt B		Alt B		Alt B		Alt B
						Regents Bridge 4-lane Genesee		Regents Bridge 4-lane Genesee		Regents Bridge 4-lane Genesee		Regents Bridge 4-lane Genesee
SIMULATION		SIMULATION		SIMULATION								
SPEED	LOS (b)	SPEED	LOS (b)	SPEED	LOS (b)	Average Speed						
La Jolla Village Drive												
Torrey Pines Rd to La Jolla Scenic Dr	EB	I	0.09	54,100	4,611	7.2	F	10.9	F	3.0	F	11.9
	WB	I				17.8	E	19.1	E	13.6	F	
La Jolla Scenic Dr to Villa La Jolla Dr	EB	I	0.45	54,100	24,079	17.1	E	14.3	F	3.3	F	18.8
	WB	I				24.0	D	21.2	D	33.1	C	
Villa La Jolla Dr to I-5 SB Off-Ramp	EB	I	0.15	76,400	11,576	24.7	D	23.0	D	23.0	D	16.8
	WB	I				3.4	F	12.5	F	14.3	F	
I-5 SB Off-Ramp to I-5 NB Ramps	EB	I	0.17	60,100	10,244	11.9	F	20.1	E	22.6	D	13.9
	WB	I				6.9	F	4.4	F	17.5	E	

Surrogate Speed (mph)	Daily Pollutants (lbs/day)					Annual Pollutants (tons/year)					
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
10.0	1.7	17.1	19.6	0.1	0.1	0.3	3.1	3.6	0.0	0.0	1,687
15.0	5.0	34.2	55.3	0.2	0.2	0.9	6.2	10.1	0.0	0.0	5,503
15.0	2.4	16.4	26.6	0.1	0.1	0.4	3.0	4.8	0.0	0.0	2,645
10.0	3.8	38.1	43.6	0.2	0.1	0.7	6.9	8.0	0.0	0.0	3,749

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM SPEED (a)	AM LOS (b)	MID SPEED (a)	MID LOS (b)	PM SPEED (a)	PM LOS (b)	Daily Average Speed							
						HORIZON YEAR Alt C No Bridge 6-lane Genesee		HORIZON YEAR Alt C No Bridge 6-lane Genesee		HORIZON YEAR Alt C No Bridge 6-lane Genesee		HORIZON YEAR Alt C No Bridge 6-lane Genesee							
						SIMULATION	SIMULATION	SIMULATION	SIMULATION	SIMULATION	SIMULATION	SIMULATION	SIMULATION						
						(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)						
I-5 NB Ramps to Lebon Dr	EB	I				15.7	F	20.9	E	10.9	F								
	WB	I	0.27	52,500	14,418	22.9	D	27.1	C	27.2	C			20.8					
Lebon Dr to Regents Rd	EB	I				12.8	F	13.3	F	6.8	F								
	WB	I	0.33	50,100	16,605	23.7	D	19.8	E	25.4	D			17.0					
Regents Rd to Genesee Ave	EB	I				11.8	F	14.7	F	17.8	E								
	WB	I	0.26	52,400	13,398	13.6	F	15.9	F	6.1	F			13.3					
Genesee Ave to Executive Way	EB	I				21.3	D	17.3	E	6.6	F								
	WB	I	0.27	49,600	13,621	6.1	F	14.8	F	11.9	F			13.0					
Executive Way to Towne Center Dr	EB	I				16.5	E	16.9	E	1.5	F								
	WB	I	0.13	68,700	9,108	3.3	F	11.7	F	7.4	F			9.6					
Towne Center Dr to I-805 SB Ramps	EB	I				29.6	C	34.5	B	27.2	C								
	WB	I	0.23	68,700	15,614	4.4	F	20.8	E	11.7	F			21.4					
Miramar Road																			
I-805 SB Ramps to I-805 NB Ramps	EB	I				13.7	F			18.6	E								
	WB	I	0.34	68,700	23,420	3.4	F			20.0	E			13.9					
I-805 NB Ramps to Nobel Dr	EB	I				23.4	D			16.2	E								
	WB	I	0.40	68,700	27,324	27.5	C			25.0	D			23.0					
Nobel Dr to Eastgate Mall	EB	I				28.5	C			22.9	D								
	WB	I	0.27	69,000	18,295	34.5	B			31.9	C			29.5					
Eastgate Mall to Miramar Mall	EB	I				25.1	D			24.9	D								
	WB	I	0.21	72,300	15,063	16.3	E			9.1	F			18.9					
Miramar Mall to Miramar Place	EB	I				26.7	D			27.9	C								
	WB	I	0.26	72,300	18,486	15.1	F			18.4	E			22.0					
Miramar Place to Camino Sante Fe	EB	I				29.2	C			24.8	D								
	WB	I	0.34	72,300	24,648	22.8	D			29.6	C			26.6					
Total																			
	EB	I				18.3	E	16.5	E	8.6	F								
	WB	I				9.5	F	16.8	E	15.9	F								

20.0	1.8	10.7	27.8	0.1	0.1
15.0	3.4	23.6	38.1	0.2	0.2
10.0	5.0	49.8	57.0	0.2	0.2
10.0	5.1	50.6	57.9	0.2	0.2
5.0	4.7	36.6	52.9	0.2	0.2
20.0	1.9	11.6	30.1	0.1	0.1
10.0	8.7	87.1	99.6	0.4	0.3
20.0	3.4	20.3	52.7	0.2	0.2
25.0	1.5	4.1	28.3	0.1	0.1
15.0	3.1	21.4	34.6	0.2	0.1
20.0	2.3	13.7	35.7	0.1	0.1
25.0	2.0	5.5	38.1	0.1	0.1
55.6	440.7	697.8	2.6	2.4	

0.3	2.0	5.1	0.0	0.0	2,476
0.6	4.3	7.0	0.0	0.0	3,795
0.9	9.1	10.4	0.0	0.0	4,903
0.9	9.2	10.6	0.0	0.0	4,985
0.9	6.7	9.7	0.0	0.0	3,906
0.4	2.1	5.5	0.0	0.0	2,682
1.6	15.9	18.2	0.1	0.1	8,571
0.6	3.7	9.6	0.0	0.0	4,693
0.3	0.7	5.2	0.0	0.0	2,042
0.6	3.9	6.3	0.0	0.0	3,442
0.4	2.5	6.5	0.0	0.0	3,175
0.4	1.0	6.9	0.0	0.0	2,751
10.2	80.4	127.4	0.5	0.4	61,005

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM SPEED (a)	AM LOS (b)	MID SPEED (a)	MID LOS (b)	PM SPEED (a)	PM LOS (b)	Daily Average Speed							
						HORIZON YEAR Alt C No Bridge 6-lane Genesee		HORIZON YEAR Alt C No Bridge 6-lane Genesee		HORIZON YEAR Alt C No Bridge 6-lane Genesee		HORIZON YEAR Alt C No Bridge 6-lane Genesee							
						SIMULATION	SIMULATION	SIMULATION	SIMULATION	SIMULATION	SIMULATION	SIMULATION	SIMULATION						
						(a)	(b)	(a)	(b)	(a)	(b)	(a)	(b)						
La Jolla Village Drive																			
Torrey Pines Rd to La Jolla Scenic Dr	EB	I				7.4	F	10.3	F	4.3	F								
	WB	I	0.09	55,100	4,696	19.1	E	18.7	E	13.5	F			12.2					
La Jolla Scenic Dr to Villa La Jolla Dr	EB	I				9.9	F	14.2	F	3.3	F								
	WB	I	0.45	55,100	24,524	30.3	C	20.3	E	34.7	B			18.8					
Villa La Jolla Dr to I-5 SB Off-Ramp	EB	I				33.2	C	23.1	D	23.6	D								
	WB	I	0.15	76,600	11,606	3.4	F	12.5	F	14.0	F			18.3					
I-5 SB Off-Ramp to I-5 NB Ramps	EB	I				14.1	F	19.9	E	21.4	D								
	WB	I	0.17	61,200	10,432	7.0	F	4.2	F	18.3	E			14.2					
I-5 NB Ramps to Lebon Dr	EB	I				15.6	F	21.4	D	10.3	F								
	WB	I	0.27	53,200	14,610	22.6	D	27.2	C	26.4	D			20.6					
Lebon Dr to Regents Rd	EB	I				14.6	F	14.1	F	6.5	F								
	WB	I	0.33	51,500	17,069	23.4	D	19.4	E	25.3	D			17.2					
Regents Rd to Genesee Ave	EB	I				13.1	F	14.5	F	21.1	D								
	WB	I	0.26	50,500	12,912	16.3	E	16.1	E	6.3	F			14.6					
Genesee Ave to Executive Way	EB	I				20.1	E	17.1	E	7.6	F								
	WB	I	0.27	48,900	13,429	7.2	F	15.0	F	14.1	F			13.5					
Executive Way to Towne Center Dr	EB	I				15.2	F	16.0	E	1.6	F								
	WB	I	0.13	69,300	9,188	3.6	F	12.1	F	9.9	F			9.7					
Towne Center Dr to I-805 SB Ramps	EB	I				27.8	C	34.5	B	22.7	D								
	WB	I	0.23	69,300	15,750	4.4	F	20.9	E	12.3	F			20.4					
Miramar Road																			
I-805 SB Ramps to I-805 NB Ramps	EB	I				14.0	F			18.7	E								
	WB	I	0.34	69,300	23,625	3.0	F			20.8	E			14.1					
I-805 NB Ramps to Nobel Dr	EB	I				22.5	D			14.1	F								
	WB	I	0.40	69,300	27,563	27.3	C			24.7	D			22.2					
Nobel Dr to Eastgate Mall	EB	I				28.1	C			23.0	D								
	WB	I	0.27	69,000	18,295	33.1	C			29.5	C			28.4					
Eastgate Mall to Miramar Mall	EB	I				24.7	D			24.1	D								
	WB	I	0.21	72,200	15,042	16.5	E			9.5	F			18.7					

Surrogate Speed (mph)	Daily Pollutants (lbs/day)				
	ROG	NOx	CO	PM10	PM2.5
10.0	1.7	17.5	20.0	0.1	0.1
15.0	5.1	34.8	56.3	0.3	0.2
15.0	2.4	16.5	26.6	0.1	0.1
10.0	3.9	38.8	44.4	0.2	0.1
20.0	1.8	10.9	28.2	0.1	0.1
15.0	3.5	24.2	39.2	0.2	0.2
10.0	4.8	48.0	54.9	0.2	0.2
10.0	5.0	49.9	57.1	0.2	0.2
5.0	4.7	36.9	53.4	0.2	0.2
20.0	1.9	11.7	30.4	0.1	0.1
10.0	8.8	87.8	100.5	0.4	0.3
20.0	3.4	20.5	53.2	0.2	0.2
25.0	1.5	4.1	28.3	0.1	0.1
15.0	3.1	21.3	34.5	0.2	0.1

Annual Pollutants (tons/year)					
ROG	NOx	CO	PM10	PM2.5	MT CO2
0.3	3.2	3.6	0.0	0.0	1,719
0.9	6.3	10.3	0.0	0.0	5,604
0.4	3.0	4.9	0.0	0.0	2,652
0.7	7.1	8.1	0.0	0.0	3,818
0.3	2.0	5.1	0.0	0.0	2,509
0.6					

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM SPEED (a)	AM LOS (b)	MID SPEED (a)	MID LOS (b)	PM SPEED (a)	PM LOS (b)	Average Speed
Miramar Mall to Miramar Place	EB	I	0.26	72,200	18,460	26.5	D	16.5	E	27.8	C	21.7
	WB	I				14.4	F			18.0	E	
Miramar Place to Camino Sante Fe	EB	I	0.34	72,200	24,614	29.0	C	13.4	F	24.5	D	26.1
	WB	I				22.3	D			28.5	C	
Total	EB	I				17.4	E			8.7	F	
	WB	I				9.6	F			16.6	E	

20.0	2.3	13.7	35.6	0.1	0.1
25.0	2.0	5.5	38.0	0.1	0.1
55.8	442.0	700.5	2.6	2.4	

0.4	2.5	6.5	0.0	0.0	3,170
0.4	1.0	6.9	0.0	0.0	2,747
10.2	80.7	127.9	0.5	0.4	61,265

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM		MID		PM		Daily
						HORIZON YEAR		HORIZON YEAR		HORIZON YEAR		HORIZON YEAR
						Alt D		Alt D		Alt D		Alt D
						No Bridge 4-lane Genesee		No Bridge 4-lane Genesee		No Bridge 4-lane Genesee		No Bridge 4-lane Genesee
SIMULATION		SIMULATION		SIMULATION								
SPEED (a)	LOS (b)	SPEED (a)	LOS (b)	SPEED (a)	LOS (b)	Average Speed						
La Jolla Village Drive												
Torrey Pines Rd to La Jolla Scenic Dr	EB	I	0.09	55,000	4,688	7.5	F	10.4	F	4.3	F	12.3
	WB	I				19.3	E	18.7	E	13.5	F	
La Jolla Scenic Dr to Villa La Jolla Dr	EB	I	0.45	55,000	24,479	16.5	E	14.2	F	3.3	F	19.2
	WB	I				25.4	D	20.8	E	34.7	B	
Villa La Jolla Dr to I-5 SB Off-Ramp	EB	I	0.15	76,800	11,636	24.8	D	23.1	D	23.6	D	16.9
	WB	I				3.3	F	12.4	F	14.0	F	
I-5 SB Off-Ramp to I-5 NB Ramps	EB	I	0.17	60,900	10,381	11.5	F	19.9	E	21.4	D	13.7
	WB	I				6.9	F	4.2	F	18.3	E	
I-5 NB Ramps to Lebon Dr	EB	I	0.27	53,200	14,610	15.5	F	21.1	D	10.3	F	20.5
	WB	I				22.6	D	27.2	C	26.4	D	
Lebon Dr to Regents Rd	EB	I	0.33	51,500	17,069	14.4	F	13.8	F	6.5	F	17.2
	WB	I				23.8	D	19.4	E	25.3	D	
Regents Rd to Genesee Ave	EB	I	0.26	50,700	12,963	13.0	F	14.7	F	21.1	D	14.5
	WB	I				15.7	F	16.0	E	6.3	F	
Genesee Ave to Executive Way	EB	I	0.27	49,200	13,511	20.0	E	17.2	E	7.6	F	13.5
	WB	I				7.1	F	14.9	F	14.1	F	
Executive Way to Towne Center Dr	EB	I	0.13	69,500	9,214	15.7	F	16.3	E	1.6	F	9.9
	WB	I				3.6	F	12.1	F	9.9	F	
Towne Center Dr to I-805 SB Ramps	EB	I	0.23	69,500	15,795	29.3	C	34.5	B	22.7	D	20.7
	WB	I				4.5	F	20.9	E	12.3	F	
Miramar Road												
I-805 SB Ramps to I-805 NB Ramps	EB	I	0.34	69,500	23,693	13.5	F	16.5	E	18.7	E	14.1
	WB	I				3.4	F			20.8	E	
I-805 NB Ramps to Nobel Dr	EB	I	0.40	69,500	27,642	22.8	D	13.4	F	14.1	F	22.2
	WB	I				27.2	C			24.7	D	
Nobel Dr to Eastgate Mall	EB	I	0.27	69,100	18,322	28.1	C			23.0	D	28.5
	WB	I				33.3	C			29.5	C	
Eastgate Mall to Miramar Mall	EB	I	0.21	72,200	15,042	24.7	D			24.1	D	18.7
	WB	I				16.6	E			9.5	F	
Miramar Mall to Miramar Place	EB	I	0.26	72,200	18,460	26.5	D	16.5	E	27.8	C	21.7
	WB	I				14.3	F			18.0	E	
Miramar Place to Camino Sante Fe	EB	I	0.34	72,200	24,614	29.0	C	13.4	F	24.5	D	26.1
	WB	I				22.3	D			28.5	C	
Total	EB	I				18.4	E			8.7	F	
	WB	I				9.7	F			16.6	E	

262,119

Surrogate Speed (mph)	Daily Pollutants (lbs/day)				
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
10.0	1.7	17.4	19.9	0.1	0.1
15.0	5.1	34.7	56.2	0.3	0.2
15.0	2.4	16.5	26.7	0.1	0.1
10.0	3.9	38.6	44.1	0.2	0.1
20.0	1.8	10.9	28.2	0.1	0.1
15.0	3.5	24.2	39.2	0.2	0.2
10.0	4.8	48.2	55.1	0.2	0.2
10.0	5.0	50.2	57.5	0.2	0.2
5.0	4.7	37.0	53.5	0.2	0.2
20.0	2.0	11.7	30.5	0.1	0.1
55.9	442.7	701.6	2.6	2.4	

Annual Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
0.3	3.2	3.6	0.0	0.0	1,716
0.9	6.3	10.3	0.0	0.0	5,594
0.4	3.0	4.9	0.0	0.0	2,659
0.7	7.0	8.1	0.0	0.0	3,799
0.3	2.0	5.1	0.0	0.0	2,509
0.6	4.4	7.2	0.0	0.0	3,901
0.9	8.8	10.1	0.0	0.0	4,744
0.9	9.2	10.5	0.0	0.0	4,945
0.9	6.8	9.8	0.0	0.0	3,951
0.4	2.1	5.6	0.0	0.0	2,713
1.6	16.1	18.4	0.1	0.1	8,671
0.6	3.8	9.7	0.0	0.0	4,747
0.3	0.7	5.2	0.0	0.0	2,045
0.6	3.9	6.3	0.0	0.0	3,437
0.4	2.5	6.5	0.0	0.0	3,170
0.4	1.0	6.9	0.0	0.0	2,747
10.2	80.8	128.0	0.5	0.4	61,349

From Arterial Speeds

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS
La Jolla Village Drive		
Torrey Pines Rd to La Jolla Scenic Dr	EB	I
	WB	I
La Jolla Scenic Dr to Villa La Jolla Dr	EB	I
	WB	I
Villa La Jolla Dr to I-5 SB Off-Ramp	EB	I
	WB	I
I-5 SB Off-Ramp to I-5 NB Ramps	EB	I
	WB	I
I-5 NB Ramps to Lebon Dr	EB	I
	WB	I
Lebon Dr to Regents Rd	EB	I
	WB	I
Regents Rd to Genesee Ave	EB	I
	WB	I
Genesee Ave to Executive Way	EB	I
	WB	I
Executive Way to Towne Center Dr	EB	I
	WB	I
Towne Center Dr to I-805 SB Ramps	EB	I
	WB	I
I-805 SB Ramps to I-805 NB Ramps	EB	I
	WB	I
I-805 NB Ramps to Nobel Dr	EB	I
	WB	I
Miramar Road		
Nobel Dr to Eastgate Mall	EB	I
	WB	I
Eastgate Mall to Miramar Mall	EB	I
	WB	I
Miramar Mall to Miramar Place	EB	I
	WB	I
Miramar Place to Camino Santa Fe	EB	I
	WB	I
Total	EB	I
	WB	I

ROADWAY SEGMENT	ROADWAY CLASSIFICATION (a)	LOS E CAPACITY	Segment Length	Existing			2035 Alt A Regents Bridge 6-lane Genesee			2035 Alt B Regents Bridge 4-lane Genesee			2035 Alt C No Bridge 6-lane Genesee			2035 Alt D No Bridge 4-lane Genesee		
				ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS
La Jolla Scenic Drive																		
La Jolla Village Drive to South	4 Lane Major Arterial	40,000		7,928	0.198	A	12,900	0.323	A	12,900	0.323	A	14,100	0.353	A	14,100	0.353	A
La Jolla Village Drive																		
Revelle College Drive to Villa La Jolla	6 Lane Prime Arterial	60,000		44,520	0.742	C	54,300	0.905	D	54,100	0.902	D	55,100	0.918	E	55,000	0.917	E
Villa La Jolla Drive to I-5 SB Ramps	6 Lane Prime Arterial	60,000		62,258	1.038	F	76,400	1.273	F	76,400	1.273	F	76,600	1.277	F	76,800	1.280	F
I-5 SB Ramps to I-5 NB Ramps	6 Lane Major Arterial	50,000		51,391	1.028	F	59,400	1.188	F	60,100	1.202	F	61,200	1.224	F	60,900	1.218	F
I-5 NB Ramps to Lebon Dr	6 Lane Major Arterial	50,000		44,335	0.887	D	52,000	1.040	F	52,500	1.050	F	53,200	1.064	F	53,200	1.064	F
Lebon Dr to Regents Road	6 Lane Major Arterial	50,000		42,863	0.857	D	49,900	0.998	E	50,100	1.002	F	51,500	1.030	F	51,500	1.030	F
Regents Road to Genesee Ave	6 Lane Major Arterial	50,000		38,474	0.769	C	52,400	1.048	F	52,400	1.048	F	50,500	1.010	F	50,700	1.014	F
Genesee Ave to Executive Way	6 Lane Major Arterial	50,000		45,117	0.902	E	49,400	0.988	E	49,600	0.992	E	48,900	0.978	E	49,200	0.984	E
Executive Way to Towne Center Dr	6 Lane Major Arterial	50,000		45,117	0.902	E	67,600	1.352	F	68,700	1.374	F	69,300	1.386	F	69,500	1.390	F
Towne Center Dr to I-805 SB Ramps	7 Lane Prime Arterial	70,000		58,833	0.840	C	67,600	0.966	E	68,700	0.981	E	69,300	0.990	E	69,500	0.993	E
Villa La Jolla Drive																		
Gilman Dr (South) to Nobel Dr	4 Lane Major Arterial	40,000		6,896	0.172	A	12,300	0.308	A	12,300	0.308	A	12,300	0.308	A	12,200	0.305	A
Nobel Dr to La Jolla Village Dr	4 Lane Major Arterial	40,000		16,011	0.400	B	24,300	0.608	C	24,100	0.603	C	23,700	0.593	C	23,700	0.593	C
La Jolla Village Dr to VA Medical Center	4 Lane Major Arterial	40,000		19,865	0.497	B	33,400	0.835	D	33,300	0.833	D	33,600	0.840	D	33,500	0.838	D

Miramar Road																		
I-805 SB Ramps to I-805 NB Ramps	6 Lane Major Arterial	50,000		66,139	1.323	F	64,600	1.292	F	65,700	1.314	F	65,400	1.308	F	66,000	1.320	F
I-805 NB Ramps to Nobel Dr	8 Lane Prime Arterial	80,000		47,991	0.600	B	51,400	0.643	C	50,400	0.630	C	49,600	0.620	B	50,300	0.629	C
Nobel Dr to Eastgate Mall	8 Lane Prime Arterial	80,000		64,557	0.807	C	69,000	0.863	C	69,000	0.863	C	69,000	0.863	C	69,100	0.864	C
Eastgate Mall to Miramar Mall	6 Lane Prime Arterial	60,000		67,748	1.129	F												
Miramar Mall to Miramar Place	7 Lane Prime Arterial	70,000					72,200	1.031	F	72,300	1.033	F	72,200	1.031	F	72,200	1.031	F
Miramar Mall to Camino Santa Fe	6 Lane Prime Arterial	60,000		67,748	1.129	F	72,200	1.203	F	72,300	1.205	F	72,200	1.203	F	72,200	1.203	F

University Community Plan Amendment
Nobel Drive

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM	MID	PM	Daily			
						HORIZON YEAR	HORIZON YEAR	HORIZON YEAR	HORIZON YEAR			
						Alt A	Alt A	Alt A	Alt A			
						Regents Bridge 6-lane Genesee	Regents Bridge 6-lane Genesee	Regents Bridge 6-lane Genesee	Regents Bridge 6-lane Genesee			
SIMULATION		SIMULATION		SIMULATION								
SPEED (a)	LOS (b)	SPEED (a)	LOS (b)	SPEED (a)	LOS (b)	Average Speed						
Nobel Drive												
Villa La Jolla Dr to La Jolla Village Sq	EB		0.12	47,500	5,848	7.9	F	8.4	F	3.1	F	10.8
	WB					15.4	E	15.0	E	14.9	E	
La Jolla Village Sq to I-5 SB On-Ramp	EB	II	0.07	47,500	3,149	18.5	D	5.3	F	0.8	F	7.6
	WB	II				8.8	F	6.2	F	5.8	F	
I-5 SB On-Ramp to I-5 NB Off-Ramp	EB	II	0.08	40,800	3,091	15.3	E	9.1	F	23.3	C	19.7
	WB	II				27.7	C	23.3	C	19.5	D	
I-5 NB Off-Ramp to Caminito Plaza Centro	EB	II	0.11	31,300	3,557	13.5	E	13.3	E	16.1	E	12.1
	WB	II				12.3	F	13.0	E	4.1	F	
Caminito Plaza Centro to Lebon Dr	EB	II	0.13	31,300	4,150	10.3	F	13.9	E	9.3	F	13.4
	WB	II				16.9	E	16.0	E	13.8	E	
Lebon Dr to Regents Rd	EB	II	0.34	27,300	9,307	18.9	D	17.4	D	12.3	F	17.8
	WB	II				18.8	D	21.0	D	18.4	D	
Regents Rd to Costa Verde Blvd	EB	II	0.17	32,800	5,591	20.2	D	18.7	D	21.1	D	16.9
	WB	II				17.9	D	16.0	E	7.5	F	
Coste Verde Blvd to Genesee Ave	EB	II	0.18	32,800	5,902	8.3	F	9.4	F	7.2	F	10.8
	WB	II				10.3	F	9.8	F	19.5	D	
Genesee Ave to Lombard Pl	EB	II	0.11	32,400	3,682	16.3	E	16.0	E	17.4	D	11.4
	WB	II				7.7	F	6.2	F	4.9	F	
Lombard Pl to Towne Center Dr	EB	II	0.22	32,400	7,057	15.8	E	17.9	D	11.1	F	14.6
	WB	II				19.4	D	14.1	E	9.5	F	
Towne Center Dr to Shoreline Dr	EB	II	0.49	25,000	12,311	22.4	C	27.8	C	25.0	C	23.8
	WB	II				23.0	C	24.7	C	19.6	D	
Shoreline Dr to Judicial Dr	EB	II	0.30	25,000	7,576	29.3	B	29.1	B	25.4	C	22.9
	WB	II				18.0	D	20.4	D	15.1	E	
Judicial Dr to I-805 SB On-Ramp	EB	II	0.14	31,400	4,460	30.7	B	24.0	C	15.8	E	20.6
	WB	II				21.2	D	19.1	D	12.7	F	
I-805 SB On-Ramp to I-805 NB Off-Ramp	EB	II	0.13	31,400	4,163	10.5	F	15.4	E	12.1	F	21.7
	WB	II				32.5	B	27.0	C	32.5	B	
I-805 NB Off-Ramp to Avenue of Flags	EB	II	0.16	31,400	5,055	30.3	B	23.1	C	28.9	B	23.1
	WB	II				20.1	D	20.1	D	16.0	E	
Avenue of Flags to Miramar Rd	EB	II	0.31	33,900	10,594	9.7	F	12.1	F	9.3	F	21.5
	WB	II				33.9	B	31.0	B	32.9	B	
Total	EB	II				16.1	E	16.5	E	10.8	F	
	WB	II				16.9	E	16.0	E	12.1	F	

95,490

Surrogate Speed	Daily Pollutants (lbs/day)				
(mph)	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
10.0	2.2	21.7	24.9	0.1	0.1
5.0	1.6	12.6	18.3	0.1	0.1
15.0	0.6	4.4	7.1	0.0	0.0
10.0	1.3	13.2	15.1	0.1	0.1
10.0	1.5	15.4	17.6	0.1	0.1
15.0	1.9	13.2	21.4	0.1	0.1
15.0	1.2	7.9	12.8	0.1	0.1
10.0	2.2	21.9	25.1	0.1	0.1
10.0	1.4	13.7	15.7	0.1	0.1
10.0	2.6	26.2	30.0	0.1	0.1
20.0	1.5	9.2	23.8	0.1	0.1
20.0	0.9	5.6	14.6	0.1	0.0
20.0	0.6	3.3	8.6	0.0	0.0
20.0	0.5	3.1	8.0	0.0	0.0
20.0	0.6	3.8	9.8	0.0	0.0
20.0	1.3	7.9	20.4	0.1	0.1
	22.0	183.2	273.2	1.0	1.0

Annual Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
0.4	4.0	4.5	0.0	0.0	2,140
0.3	2.3	3.3	0.0	0.0	1,350
0.1	0.8	1.3	0.0	0.0	706
0.2	2.4	2.8	0.0	0.0	1,302
0.3	2.8	3.2	0.0	0.0	1,519
0.4	2.4	3.9	0.0	0.0	2,127
0.2	1.4	2.3	0.0	0.0	1,278
0.4	4.0	4.6	0.0	0.0	2,160
0.2	2.5	2.9	0.0	0.0	1,347
0.5	4.8	5.5	0.0	0.0	2,583
0.3	1.7	4.3	0.0	0.0	2,114
0.2	1.0	2.7	0.0	0.0	1,301
0.1	0.6	1.6	0.0	0.0	766
0.1	0.6	1.5	0.0	0.0	715
0.1	0.7	1.8	0.0	0.0	868
0.2	1.4	3.7	0.0	0.0	1,819
4.0	33.4	49.9	0.2	0.2	24,095

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM	MID	PM	Daily			
						HORIZON YEAR	HORIZON YEAR	HORIZON YEAR	HORIZON YEAR			
						Alt B	Alt B	Alt B	Alt B			
						Regents Bridge 4-lane Genesee	Regents Bridge 4-lane Genesee	Regents Bridge 4-lane Genesee	Regents Bridge 4-lane Genesee			
SIMULATION		SIMULATION		SIMULATION								
SPEED (a)	LOS (b)	SPEED (a)	LOS (b)	SPEED (a)	LOS (b)	Average Speed						
Nobel Drive												
Villa La Jolla Dr to La Jolla Village Sq	EB		0.12	47,200	5,811	7.9	F	8.4	F	3.2	F	10.8
	WB					15.5	E	15.0	E	14.9	E	
La Jolla Village Sq to I-5 SB On-Ramp	EB	II	0.07	47,200	3,129	18.5	D	5.5	F	0.8	F	7.6
	WB	II				8.9	F	6.2	F	5.6	F	
I-5 SB On-Ramp to I-5 NB Off-Ramp	EB	II	0.08	40,600	3,076	15.0	E	9.1	F	11.2	F	17.7
	WB	II				28.0	C	23.3	C	19.6	D	
I-5 NB Off-Ramp to Caminito Plaza Centro	EB	II	0.11	31,600	3,591	13.5	E	13.4	E	17.2	D	12.2
	WB	II				12.6	F	13.0	F	3.7	F	

Surrogate Speed	Daily Pollutants (lbs/day)				
(mph)	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
10.0	2.2	21.6	24.7	0.1	0.1
5.0	1.6	12.6	18.2	0.1	0.1
15.0	0.6	4.4	7.1	0.0	0.0
10.0	1.3	13.3	15.3	0.1	0.1

Annual Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
0.4	3.9	4.5	0.0	0.0	2,127
0.3	2.3	3.3	0.0	0.0	1,342
0.1	0.8	1.3	0.0	0.0	703
0.2	2.4	2.8	0.0	0.0	1,314

Caminito Plaza Centro to Lebon Dr	EB	II				10.3	F	14.0	E	9.2	F	
	WB	II	0.13	31,600	4,189	17.0	E	16.2	E	14.0	E	13.5
Lebon Dr to Regents Rd	EB	II				18.9	D	17.4	D	12.3	F	
	WB	II	0.34	27,800	9,477	18.8	D	21.1	D	18.4	D	17.8
Regents Rd to Costa Verde Blvd	EB	II				20.2	D	18.7	D	21.2	D	
	WB	II	0.17	33,100	5,642	17.8	D	16.0	E	7.3	F	16.9
Coste Verde Blvd to Genesee Ave	EB	II				8.4	F	9.9	F	7.5	F	
	WB	II	0.18	33,100	5,955	10.3	F	9.7	F	18.4	D	10.7
Genesee Ave to Lombard PI	EB	II				16.3	E	16.0	E	17.4	D	
	WB	II	0.11	30,400	3,455	7.3	F	6.2	F	4.8	F	11.3
Lombard PI to Towne Center Dr	EB	II				15.8	E	17.9	D	10.0	F	
	WB	II	0.22	30,400	6,621	19.4	D	14.1	E	9.7	F	14.5
Towne Center Dr to Shoreline Dr	EB	II				22.3	C	27.7	C	25.0	C	
	WB	II	0.49	24,900	12,261	23.0	C	24.8	C	17.4	D	23.4
Shoreline Dr to Judicial Dr	EB	II				29.4	B	29.2	B	25.5	C	
	WB	II	0.30	24,900	7,545	18.0	D	20.4	D	15.1	E	22.9
Judicial Dr to I-805 SB On-Ramp	EB	II				30.7	B	24.0	C	15.7	E	
	WB	II	0.14	31,300	4,446	20.8	D	18.4	D	12.8	F	20.4
I-805 SB On-Ramp to I-805 NB Off-Ramp	EB	II				11.1	F	15.8	E	13.5	E	
	WB	II	0.13	31,300	4,150	32.5	B	27.2	C	32.5	B	22.1
I-805 NB Off-Ramp to Avenue of Flags	EB	II				30.3	B	23.2	C	28.9	B	
	WB	II	0.16	31,300	5,039	20.3	D	20.8	D	17.7	D	23.5
Avenue of Flags to Miramar Rd	EB	II				9.8	F	12.2	F	9.2	F	
	WB	II	0.31	34,900	10,906	33.9	B	31.1	B	32.9	B	21.5
<i>Total</i>	<i>EB</i>	<i>II</i>				16.2	<i>E</i>	16.7	<i>E</i>	10.7	<i>F</i>	
	<i>WB</i>	<i>II</i>				16.9	<i>E</i>	16.0	<i>E</i>	11.8	<i>F</i>	

10.0	1.6	15.6	17.8	0.1	0.1
15.0	2.0	13.4	21.8	0.1	0.1
15.0	1.2	8.0	13.0	0.1	0.1
10.0	2.2	22.1	25.3	0.1	0.1
10.0	1.3	12.8	14.7	0.1	0.0
10.0	2.5	24.6	28.2	0.1	0.1
20.0	1.5	9.1	23.7	0.1	0.1
20.0	0.9	5.6	14.6	0.1	0.0
20.0	0.5	3.3	8.6	0.0	0.0
20.0	0.5	3.1	8.0	0.0	0.0
20.0	0.6	3.7	9.7	0.0	0.0
20.0	1.3	8.1	21.0	0.1	0.1
21.8	181.4	271.5	1.0	1.0	

0.3	2.8	3.3	0.0	0.0	1,533
0.4	2.5	4.0	0.0	0.0	2,166
0.2	1.5	2.4	0.0	0.0	1,289
0.4	4.0	4.6	0.0	0.0	2,180
0.2	2.3	2.7	0.0	0.0	1,264
0.4	4.5	5.1	0.0	0.0	2,423
0.3	1.7	4.3	0.0	0.0	2,106
0.2	1.0	2.7	0.0	0.0	1,296
0.1	0.6	1.6	0.0	0.0	764
0.1	0.6	1.5	0.0	0.0	713
0.1	0.7	1.8	0.0	0.0	865
0.2	1.5	3.8	0.0	0.0	1,873
4.0	33.1	49.5	0.2	0.2	23,957

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS	Segment Length (mi)	ADT	Daily VMT	AM		MID		PM		Daily
						HORIZON YEAR		HORIZON YEAR		HORIZON YEAR		HORIZON YEAR
						Alt C No Bridge		Alt C No Bridge		Alt C No Bridge		Alt C
						6-lane Genesee		6-lane Genesee		6-lane Genesee		6-lane Genesee
						SIMULATION		SIMULATION		SIMULATION		
						SPEED (a)	LOS (b)	SPEED (a)	LOS (b)	SPEED (a)	LOS (b)	Average Speed
Nobel Drive												
Villa La Jolla Dr to La Jolla Village Sq	EB					8.0	F	8.3	F	2.2	F	
	WB		0.12	47,200	5,811	15.5	E	15.1	E	14.9	E	10.7
La Jolla Village Sq to I-5 SB On-Ramp	EB	II				18.5	D	4.8	F	0.8	F	
	WB	II	0.07	47,200	3,129	8.8	F	5.9	F	7.5	F	7.7
I-5 SB On-Ramp to I-5 NB Off-Ramp	EB	II				14.5	E	9.0	F	13.4	E	
	WB	II	0.08	40,700	3,083	28.0	C	23.7	C	25.8	C	19.1
I-5 NB Off-Ramp to Caminito Plaza Centro	EB	II				13.6	E	13.2	E	17.7	D	
	WB	II	0.11	30,400	3,455	11.7	F	12.2	F	8.7	F	12.9
Caminito Plaza Centro to Lebon Dr	EB	II				10.3	F	13.9	E	9.2	F	
	WB	II	0.13	30,400	4,030	16.9	E	16.0	E	13.7	E	13.3
Lebon Dr to Regents Rd	EB	II				19.4	D	22.1	C	11.7	F	
	WB	II	0.34	30,700	10,466	19.7	D	21.4	D	19.2	D	18.9
Regents Rd to Costa Verde Blvd	EB	II				18.0	D	17.9	D	22.7	C	
	WB	II	0.17	32,200	5,489	18.3	D	19.5	D	4.0	F	16.7
Coste Verde Blvd to Genesee Ave	EB	II				8.3	F	9.0	F	7.0	F	
	WB	II	0.18	32,200	5,794	10.4	F	9.9	F	20.6	D	10.9
Genesee Ave to Lombard PI	EB	II				16.3	E	16.9	E	17.4	D	
	WB	II	0.11	32,000	3,636	8.1	F	6.8	F	6.5	F	12.0
Lombard PI to Towne Center Dr	EB	II				15.8	E	17.9	D	11.0	F	
	WB	II	0.22	32,000	6,970	18.9	D	14.0	E	9.3	F	14.5
Towne Center Dr to Shoreline Dr	EB	II				22.4	C	27.5	C	25.0	C	
	WB	II	0.49	25,000	12,311	22.9	C	24.7	C	19.3	D	23.6
Shoreline Dr to Judicial Dr	EB	II				29.3	B	29.2	B	25.4	C	
	WB	II	0.30	25,000	7,576	18.0	D	19.9	D	15.1	E	22.8
Judicial Dr to I-805 SB On-Ramp	EB	II				28.7	B	22.6	C	15.6	E	
	WB	II	0.14	31,700	4,503	20.7	D	18.4	D	12.7	F	19.8
I-805 SB On-Ramp to I-805 NB Off-Ramp	EB	II				11.0	F	15.8	E	13.8	E	
	WB	II	0.13	31,700	4,203	32.5	B	27.2	C	32.5	B	22.1
I-805 NB Off-Ramp to Avenue of Flags	EB	II				30.3	B	22.5	C	29.0	B	
	WB	II	0.16	31,700	5,103	20.3	D	20.6	D	18.0	D	23.5

Surrogate Speed (mph)	Daily Pollutants (lbs/day)				
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
10.0	2.2	21.6	24.7	0.1	0.1
5.0	1.6	12.6	18.2	0.1	0.1
15.0	0.6	4.4	7.1	0.0	0.0
10.0	1.3	12.8	14.7	0.1	0.0
10.0	1.5	15.0	17.1	0.1	0.1
15.0	2.2	14.8	24.0	0.1	0.1
15.0	1.1	7.8	12.6	0.1	0.1
10.0	2.2	21.5	24.6	0.1	0.1
10.0	1.4	13.5	15.5	0.1	0.1
10.0	2.6	25.9	29.6	0.1	0.1
20.0	1.5	9.2	23.8	0.1	0.1
20.0	0.9	5.6	14.6	0.1	0.0
15.0	0.9	6.4	10.3	0.0	0.0
20.0	0.5	3.1	8.1	0.0	0.0
20.0	0.6	3.8	9.8	0.0	0.0

Annual Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
0.4	3.9	4.5	0.0	0.0	2,127
0.3	2.3	3.3	0.0	0.0	1,342
0.1	0.8	1.3	0.0	0.0	705
0.2	2.3	2.7	0.0	0.0	1,264
0.3	2.7	3.1	0.0	0.0	1,475
0.4	2.7	4.4	0.0	0.0	2,392
0.2	1.4	2.3	0.0	0.0	1,254
0.4	3.9	4.5	0.0	0.0	2,120
0.2	2.5	2.8	0.0	0.0	1,331
0.5	4.7	5.4	0.0	0.0	2,551
0.3	1.7	4.3	0.0	0.0	2,114
0.2	1.0	2.7	0.0	0.0	1,301
0.2	1.2	1.9	0.0	0.0	1,029
0.1	0.6	1.5	0.0	0.0	722
0.1	0.7	1.8	0.0	0.0	876

Avenue of Flags to Miramar Rd	EB	II				9.3	F	11.6	F	9.1	F	
	WB	II	0.31	35,600	11,125	33.9	B	31.1	B	32.9	B	21.3
Total	EB	II				15.9	E	16.5	E	10.5	F	
	WB	II				17.0	D	16.2	E	12.4	F	

20.0	1.4	8.3	21.5	0.1	0.1
	22.5	186.3	276.3	1.0	1.0

0.3	1.5	3.9	0.0	0.0	1,911
4.1	34.0	50.4	0.2	0.2	24,513

ROADWAY SEGMENT	DIRECTI ON	URBAN STREET CLASS	Segemen t Length (mi)	ADT	Daily VMT	AM	MID	PM	Daily			
						HORIZON YEAR Alt D No Bridge 4-lane Genesee	HORIZON YEAR Alt D No Bridge 4-lane Genesee	HORIZON YEAR Alt D No Bridge 4-lane Genesee	HORIZON YEAR Alt D No Bridge 4-lane Genesee			
						SIMULATION SPEED (a)	SIMULATION SPEED (a)	SIMULATION SPEED (a)	Average Speed			
						LOS (b)	LOS (b)	LOS (b)	LOS (b)			
Nobel Drive												
Villa La Jolla Dr to La Jolla Village Sq	EB					7.9	F	8.3	F	2.2	F	
	WB		0.12	47,600	5,860	15.5	E	15.1	E	15.0	E	10.7
La Jolla Village Sq to I-5 SB On-Ramp	EB	II				18.1	D	4.8	F	0.8	F	
	WB	II	0.07	47,600	3,155	8.8	F	5.7	F	7.8	F	7.7
I-5 SB On-Ramp to I-5 NB Off-Ramp	EB	II				13.7	E	10.5	F	12.4	F	
	WB	II	0.08	41,700	3,159	28.0	C	23.9	C	26.3	C	19.1
I-5 NB Off-Ramp to Caminito Plaza Centro	EB	II				13.6	E	13.0	F	18.6	D	
	WB	II	0.11	31,100	3,534	11.0	F	11.1	F	8.7	F	12.7
Caminito Plaza Centro to Lebon Dr	EB	II				10.3	F	13.9	E	9.2	F	
	WB	II	0.13	31,100	4,123	17.1	D	16.2	E	13.9	E	13.4
Lebon Dr to Regents Rd	EB	II				19.3	D	22.1	C	11.1	F	
	WB	II	0.34	31,300	10,670	19.6	D	21.4	D	19.2	D	18.8
Regents Rd to Costa Verde Blvd	EB	II				17.9	D	17.9	D	22.5	C	
	WB	II	0.17	32,700	5,574	18.3	D	19.2	D	3.8	F	16.6
Coste Verde Blvd to Genesee Ave	EB	II				8.3	F	9.0	F	6.9	F	
	WB	II	0.18	32,700	5,884	10.3	F	9.8	F	20.1	D	10.7
Genesee Ave to Lombard PI	EB	II				16.3	E	16.9	E	17.6	D	
	WB	II	0.11	30,800	3,500	7.9	F	6.4	F	6.2	F	11.9
Lombard PI to Towne Center Dr	EB	II				15.8	E	17.3	D	10.9	F	
	WB	II	0.22	30,800	6,708	19.2	D	13.9	E	9.9	F	14.5
Towne Center Dr to Shoreline Dr	EB	II				22.2	C	27.5	C	24.9	C	
	WB	II	0.49	26,200	12,902	23.2	C	24.8	C	19.4	D	23.7
Shoreline Dr to Judicial Dr	EB	II				29.1	B	29.2	B	25.4	C	
	WB	II	0.30	26,200	7,939	17.8	D	19.9	D	14.5	E	22.7
Judicial Dr to I-805 SB On-Ramp	EB	II				30.7	B	26.1	C	16.4	E	
	WB	II	0.14	32,900	4,673	20.6	D	18.4	D	12.4	F	20.8
I-805 SB On-Ramp to I-805 NB Off-Ramp	EB	II				10.7	F	15.6	E	13.1	E	
	WB	II	0.13	32,900	4,362	32.5	B	26.3	C	32.5	B	21.8
I-805 NB Off-Ramp to Avenue of Flags	EB	II				30.3	B	22.4	C	28.9	B	
	WB	II	0.16	32,900	5,296	19.9	D	20.5	D	17.3	D	23.2
Avenue of Flags to Miramar Rd	EB	II				9.4	F	11.6	F	9.1	F	
	WB	II	0.31	35,000	10,938	33.9	B	31.1	B	32.9	B	21.3
Total	EB	II				15.9	E	16.6	E	10.3	F	
	WB	II				16.9	E	15.9	E	12.3	F	

98,277

Surrogate Speed (mph)	Daily Pollutants (lbs/day)				
	ROG	NO _x	CO	PM ₁₀	PM _{2.5}
10.0	2.2	21.8	24.9	0.1	0.1
5.0	1.6	12.7	18.3	0.1	0.1
15.0	0.7	4.5	7.3	0.0	0.0
10.0	1.3	13.1	15.0	0.1	0.1
10.0	1.5	15.3	17.5	0.1	0.1
15.0	2.2	15.1	24.5	0.1	0.1
15.0	1.2	7.9	12.8	0.1	0.1
10.0	2.2	21.9	25.0	0.1	0.1
10.0	1.3	13.0	14.9	0.1	0.0
10.0	2.5	24.9	28.5	0.1	0.1
20.0	1.6	9.6	24.9	0.1	0.1
20.0	1.0	5.9	15.3	0.1	0.1
20.0	0.6	3.5	9.0	0.0	0.0
20.0	0.5	3.2	8.4	0.0	0.0
20.0	0.7	3.9	10.2	0.0	0.0
20.0	1.4	8.1	21.1	0.1	0.1
	22.3	184.5	277.8	1.0	1.0

Annual Pollutants (tons/year)					
ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
0.4	4.0	4.5	0.0	0.0	2,145
0.3	2.3	3.3	0.0	0.0	1,353
0.1	0.8	1.3	0.0	0.0	722
0.2	2.4	2.7	0.0	0.0	1,293
0.3	2.8	3.2	0.0	0.0	1,509
0.4	2.8	4.5	0.0	0.0	2,438
0.2	1.4	2.3	0.0	0.0	1,274
0.4	4.0	4.6	0.0	0.0	2,153
0.2	2.4	2.7	0.0	0.0	1,281
0.5	4.6	5.2	0.0	0.0	2,455
0.3	1.8	4.5	0.0	0.0	2,216
0.2	1.1	2.8	0.0	0.0	1,364
0.1	0.6	1.6	0.0	0.0	803
0.1	0.6	1.5	0.0	0.0	749
0.1	0.7	1.9	0.0	0.0	910
0.2	1.5	3.9	0.0	0.0	1,878
4.1	33.7	50.7	0.2	0.2	24,543

From Arterial Speeds

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS
Nobel Drive		
Villa La Jolla Dr to La Jolla Village Sq	EB	
	WB	
La Jolla Village Sq to I-5 SB On-Ramp	EB	II
	WB	II
I-5 SB On-Ramp to I-5 NB Off-Ramp	EB	II
	WB	II
I-5 NB Off-Ramp to Caminito Plaza Centro	EB	II
	WB	II
Caminito Plaza Centro to Lebon Dr	EB	II
	WB	II
Lebon Dr to Regents Rd	EB	II
	WB	II
Regents Rd to Costa Verde Blvd	EB	II
	WB	II
Coste Verde Blvd to Genesee Ave	EB	II
	WB	II
Genesee Ave to Lombard Pl	EB	II
	WB	II
Lombard Pl to Towne Center Dr	EB	II
	WB	II
Towne Center Dr to Shoreline Dr	EB	II
	WB	II
Shoreline Dr to Judicial Dr	EB	II
	WB	II
Judicial Dr to I-805 SB On-Ramp	EB	II
	WB	II
I-805 SB On-Ramp to I-805 NB Off-Ramp	EB	II
	WB	II
I-805 NB Off-Ramp to Avenue of Flags	EB	II
	WB	II
Avenue of Flags to Miramar Rd	EB	II
	WB	II
<i>Total</i>	EB	II
	WB	II

ROADWAY SEGMENT	ROADWAY CLASSIFICATION (a)	LOS E CAPACITY	Segment Length	Existing			2035 Alt A Regents Bridge 6-lane Genesee			2035 Alt B Regents Bridge 4-lane Genesee			2035 Alt C No Bridge 6-lane Genesee			2035 Alt D No Bridge 4-lane Genesee			
				ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	
Nobel Drive																			
Villa La Jolla Dr to I-5 SB On-Ramp	4 Lane Major Arterial	40,000		26,284	0.657	C	47,500	1.188	F	47,200	1.180	F	47,200	1.180	F	47,600	1.190	F	
I-5 SB On-Ramp to I-5 NB Off-Ramp/University Center Lane	4 Lane Major Arterial	40,000		27,642	0.691	C	40,800	1.020	F	40,600	1.015	F	40,700	1.018	F	41,700	1.043	F	
I-5 NB Off-Ramp/University Center Lane to Lebon Dr	6 Lane Major Arterial	50,000		21,546	0.431	B	31,300	0.626	C	31,600	0.632	C	30,400	0.608	C	31,100	0.622	C	
Lebon Dr to Regents Rd	6 Lane Prime Arterial	60,000		21,256	0.354	A	27,300	0.455	B	27,800	0.463	B	30,700	0.512	B	31,300	0.522	B	
Regents Rd to Genesee Ave	6 Lane Prime Arterial	60,000		19,772	0.330	A	32,800	0.547	B	33,100	0.552	B	32,200	0.537	B	32,700	0.545	B	
Genesee Ave to Towne Center Dr	4 Lane Major Arterial	40,000		18,484	0.462	B	32,400	0.810	D	30,400	0.760	D	32,000	0.800	D	30,800	0.770	D	
Towne Center Dr to Judicial Dr	6 Lane Prime Arterial	60,000		17,261	0.288	A	25,000	0.417	B	24,900	0.415	A	25,000	0.417	B	26,200	0.437	B	
Judicial Dr to Avenue of Flags	5 Lane Major Arterial	45,000		24,125	0.536	B	31,400	0.698	C	31,300	0.696	C	31,700	0.704	C	32,900	0.731	C	
Avenue of Flags to Miramar Rd	4 Lane Major Arterial	40,000		20,648	0.413	A	33,900	0.678	C	34,900	0.698	C	35,600	0.712	C	35,000	0.700	C	

Marietta Ave to La Jolla Village Dr	SB	II	0.1	18,600	2,466	18.4	D	22.6	C	12.8	F	12.7
La Jolla Village Dr to Regents Park Row	NB	II				9.9	F	11.7	F	7.4	F	
	SB	II	0.1	16,100	1,220	5.8	F	6.2	F	4.9	F	7.7
Regents Park Row to Executive Dr	NB	II				16.4	E	18.4	D	12.2	F	
	SB	II	0.2	16,100	2,744	17.2	D	16.2	E	8.3	F	14.8
Executive Dr to Eastgate Mall	NB	II				15	E	20.1	D	16.8	E	
	SB	II	0.1	16,100	2,134	22.1	C	20.5	D	17.0	D	18.6
Eastgate Mall to Country Day Ln	NB	II				20.5	D	22.8	C	20.8	D	
	SB	II	0.1	8,600	1,059	17.5	D	20.3	D	13.9	E	19.3
Country Day Ln to Genesee Ave	NB	II				6.5	F	6.3	F	8.4	F	
	SB	II	0.2	8,600	1,384	16.9	E	17.0	E	12.1	F	11.2
N. Torrey Pines Rd to N. Torrey Pines Ct	NB	II										
	SB	II										
Total	NB	II				13.1	E	14.8	E	13.8	E	
	SB	II				15.6	E	16.2	E	12.8	F	
Regents Road (S)												
Luna Ave to SR-52 WB Ramps	NB	II				21.9	D	28.6	B	23.7	D	
	SB	II	0.8	25,600	21,333	27	C	37.3	A	20.9	D	26.6
SR-52 WB Ramps to SR-52 EB Ramps	NB	II				18.3	D	19.1	D	9.3	F	
	SB	II	0.2	23,500	3,783	15	E	16.6	E	6.8	F	14.2
SR-52 EB Ramps to Governor Dr	NB	II				28.8	B	34.7	B	31.7	C	
	SB	II	0.7	17,800	12,136	30.6	B	33.4	B	22.0	C	30.2
N. Torrey Pines Rd to N. Torrey Pines Ct	NB	II										
	SB	II										
Total	NB	II				24.2	C	29.9	B	22.9	D	
	SB	II				27.1	C	30.6	B	18.8	D	

56,901

10.0	0.7	7.4	10.0	0.0	0.0
5.0	0.6	4.9	7.1	0.0	0.0
10.0	1.0	10.2	11.7	0.0	0.0
15.0	0.4	3.0	4.9	0.0	0.0
15.0	0.2	1.5	2.4	0.0	0.0
10.0	0.5	5.1	5.9	0.0	0.0
25.0	1.7	4.8	33.0	0.1	0.1
10.0	1.4	14.1	16.1	0.1	0.1
30.0	0.8	2.7	17.2	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0
	9.4	69.7	131.2	0.4	0.4

0.2	1.7	1.9	0.0	0.0	902
0.1	0.9	1.3	0.0	0.0	523
0.2	1.9	2.1	0.0	0.0	1,004
0.1	0.6	0.9	0.0	0.0	488
0.0	0.3	0.4	0.0	0.0	242
0.1	0.9	1.1	0.0	0.0	507
0.0	0.0	0.0	0.0	0.0	
0.3	0.9	6.0	0.0	0.0	2,381
0.3	2.6	2.9	0.0	0.0	1,385
0.1	0.5	3.1	0.0	0.0	1,251
0.0	0.0	0.0	0.0	0.0	-
1.7	12.7	23.9	0.1	0.1	10,608

From Arterial Speeds

ROADWAY SEGMENT	DIRECTION	URBAN STREET CLASS
Regents Road		
Luna Ave to SR-52 EB Ramps	NB	II
	SB	II
SR-52 EB Ramps to SR-52 WB Ramps	NB	II
	SB	II
SR-52 WB Ramps to Governor Dr	NB	II
	SB	II
Governor Dr to Ariba St	NB	II
	SB	II
Ariba St to Berino Ct	NB	II
	SB	II
Berino Ct to Nobel Dr	NB	II
	SB	II
Nobel Dr to Plaza De Palmas	NB	II
	SB	II
Plaza De Palmas to La Jolla Village Dr	NB	II
	SB	II
La Jolla Village Dr to Regents Park Row	NB	II
	SB	II
Regents Park Row to Executive Dr	NB	II
	SB	II
Executive Dr to Eastgate Mall	NB	II
	SB	II
Eastgate Mall to Health Science Dr	NB	II
	SB	II
Health Science Dr to Genesee Ave	NB	II
	SB	II
<i>Total</i>	NB	II
	SB	II

ROADWAY SEGMENT	ROADWAY CLASSIFICATION (a)	LOS E CAPACITY	Segment Length	Existing			2035 Alt A Regents Bridge 6-lane Genesee			2035 Alt B Regents Bridge 4-lane Genesee			2035 Alt C No Bridge 6-lane Genesee			2035 Alt D No Bridge 4-lane Genesee		
				ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS	ADT (b)	V/C RATIO (c)	LOS
Regents Road																		
Genesee Ave to Eastgate Mall	2 Lane Collector (continuous left-turn lane)	15,000		6,260	0.417	B												
	4 Lane Collector	30,000					9,700	0.323	A	9,900	0.330	A	8,700	0.290	A	8,600	0.287	A
Eastgate Mall to La Jolla Village Dr	4 Lane Collector	30,000		15,245	0.508	C	18,900	0.630	C	19,100	0.637	C	16,000	0.533	C	16,100	0.537	C
	5 Lane Major Arterial	45,000		16,525	0.367	A	24,500	0.544	C	24,700	0.549	C	18,700	0.416	B	18,600	0.413	B
Nobel Dr to Rose Canyon	4 Lane Major Arterial	40,000		10,688	0.267	A	27,000	0.675	C	27,100	0.678	C	11,600	0.290	A	11,600	0.290	A
Rose Canyon to Governor Dr	2 Lane Collector (no fronting property)	10,000		1,940	0.194	A							2,400	0.240	A	2,400	0.240	A
	4 Lane Major Arterial	40,000					30,000	0.750	D	29,900	0.748	C						
Governor Dr to SR-52 WB Ramps	4 Lane Major Arterial	40,000		16,181	0.405	B	30,300	0.758	D	30,900	0.773	D	17,800	0.445	B	17,800	0.445	B
SR-52 WB Ramps to SR-52 EB Ramps	4 Lane Major Arterial	40,000		19,957	0.499	B	35,300	0.883	E	35,500	0.888	E	23,400	0.585	C	23,500	0.588	C
SR-52 EB Ramps to Luna Ave	4 Lane Major Arterial	40,000		21,268	0.532	C	40,600	1.015	F	40,800	1.020	F	25,500	0.638	C	25,600	0.640	C

**University Regents CPA
High-Level Mobile Source Modeling**

Scenario	Annual VMT	Emissions (tons/yr)					
		ROG	NO _x	CO	PM ₁₀	PM _{2.5}	MT CO ₂
Alternative A	3,827,967	0.111	0.462	2.189	0.217	0.089	1,113.06
Alternative B	3,833,275	0.111	0.463	2.192	0.217	0.089	1,114.60
Alternative C	3,858,547	0.112	0.466	2.206	0.219	0.090	1,121.95
Alternative D	3,864,082	0.112	0.467	2.210	0.219	0.090	1,123.56
		0.001	0.004	0.021	0.002	0.001	10.501

Operational Year	Location	Weighted Average Emission Factors (g/mi)					
		ROG	NO _x	CO	PM ₁₀	PM _{2.5}	CO ₂
2035	San Diego County	0.026	0.110	0.519	0.051	0.021	276.232

Note: Emission factors are weighted by total VMT for each vehicle class.

San Diego	2035 T7 single c	Aggregatec	Aggregatec	DSL	872.6738	82514.90635	0	0.065410351	0.385563881	1.13902286	1484.167174	0.102184	0.004444	0.036	0.06174	0.039711	0.004251	0.009	0.02646
San Diego	2035 T7 SWCV	Aggregatec	Aggregatec	DSL	1925.35	88703.38128	0	0.086880903	13.53150397	1.758454475	3204.903371	0.102147	0.004407	0.036	0.06174	0.039677	0.004217	0.009	0.02646
San Diego	2035 T7 tractor	Aggregatec	Aggregatec	DSL	4875.828	620348.5123	0	0.079940797	0.472031834	1.460852071	1433.701282	0.103459	0.005719	0.036	0.06174	0.040931	0.005471	0.009	0.02646
San Diego	2035 T7 tractor	Aggregatec	Aggregatec	DSL	711.0732	61520.96136	0	0.08224301	0.485384409	1.514564431	1475.631684	0.103694	0.005954	0.036	0.06174	0.041157	0.005697	0.009	0.02646
San Diego	2035 T7 utility	Aggregatec	Aggregatec	DSL	131.1522	2993.927727	0	0.049894699	0.294616606	0.709702202	1472.475965	0.100707	0.002967	0.036	0.06174	0.038299	0.002839	0.009	0.02646
San Diego	2035 T7IS	Aggregatec	Aggregatec	GAS	217.2272	24830.56411	4346.282	0.310263842	29.59810622	2.988687608	1609.209998	0.082885	0.001145	0.02	0.06174	0.032513	0.001053	0.005	0.02646
San Diego	2035 UBUS	Aggregatec	Aggregatec	GAS	573.5523	71917.5691	2294.209	0.038056865	0.695600662	0.430074525	1621.313904	0.144606	0.002266	0.012	0.13034	0.060944	0.002084	0.003	0.05586
San Diego	2035 UBUS	Aggregatec	Aggregatec	DSL	633.9302	79488.33298	2535.721	0.224603062	8.502044036	2.96608817	1860.821611	0.895655	0.041834	0.012	0.84182	0.403805	0.040025	0.003	0.36078

Units: Linear Feet

Freeway Segment		Distance	
I-5	SR-52 to Gilman Dr	4,300	
	Gilman Dr to Nobel Dr	7,100	
	Nobel Dr to La Jolla Village Dr	1,450	
	La Jolla Village Dr to Genesee Ave	5,500	
	La Jolla Village Dr to Genesee Ave HOV	5,500	*assumed the same intercnage at Genesee Ave / I-5
I-805	SR-52 to Governor Dr	4,200	
	SR-52 to Governor Dr HOV	4,200	*assumed the same intercnage at Governor Dr / I-805
	Governor Dr to Nobel Dr	5,400	
	Governor Dr to Nobel Dr HOV	5,400	*assumed the same intercnage at Nobel Dr / I-805
	Nobel Dr to La Jolla Village Dr	2,400	
	Nobel Dr to La Jolla Village Dr HOV	2,400	*assumed the same intercnage at La Jolla Village Dr / I-805
	La Jolla Village Dr to Mira Mesa Blvd	6,100	
	La Jolla Village Dr to Mira Mesa Blvd HOV	6,100	*assumed the same intercnage at Mira Mesa Blvd / I-805
SR-52	I-5 to Regents Rd	5,500	
	Regents Rd to Genesee Ave	5,150	
	Genesee Ave to I-805	7,550	

Units: Linear Feet

ROADWAY SEGMENT	Distance
La Jolla Village Drive	
Torrey Pines Rd to La Jolla Scenic Dr	450
La Jolla Scenic Dr to Villa La Jolla Dr	2,350
Villa La Jolla Dr to I-5 SB Off-Ramp	800
I-5 SB Off-Ramp to I-5 NB Ramps	900
I-5 NB Ramps to Lebon Dr	1,450
Lebon Dr to Regents Rd	1,750
Regents Rd to Genesee Ave	1,350
Genesee Ave to Executive Way	1,450
Executive Way to Towne Center Dr	700
Towne Center Dr to I-805 SB Ramps	1,200
I-805 SB Ramps to I-805 NB Ramps	1,800
I-805 NB Ramps to Nobel Dr	2,100
Miramar Road	
Nobel Dr to Eastgate Mall	1,400
Eastgate Mall to Miramar Mall	1,100
Miramar Mall to Miramar Place	1,350
Miramar Place to Camino Sante Fe	1,800

Units: Linear Feet

ROADWAY SEGMENT	Distance
Nobel Drive	
Villa La Jolla Dr to La Jolla Village Sq	650
La Jolla Village Sq to I-5 SB On-Ramp	350
I-5 SB On-Ramp to I-5 NB Off-Ramp	400
I-5 NB Off-Ramp to Caminito Plaza Centro	600
Caminito Plaza Centro to Lebon Dr	700
Lebon Dr to Regents Rd	1,800
Regents Rd to Costa Verde Blvd	900
Coste Verde Blvd to Genesee Ave	950
Genesee Ave to Lombard Pl	600
Lombard Pl to Towne Center Dr	1,150
Towne Center Dr to Shoreline Dr	2,600
Shoreline Dr to Judicial Dr	1,600
Judicial Dr to I-805 SB On-Ramp	750
I-805 SB On-Ramp to I-805 NB Off-Ramp	700
I-805 NB Off-Ramp to Avenue of Flags	850
Avenue of Flags to Miramar Rd	1,650

Units: Linear Feet

ROADWAY SEGMENT	Distance
Regents Road	
Luna Ave to SR-52 EB Ramps	3,850
SR-52 EB Ramps to SR-52 WB Ramps	850
SR-52 WB Ramps to Governor Dr	3,250
Governor Dr to Ariba St	4,350
Ariba St to Berino Ct	950
Berino Ct to Nobel Dr	1,700
Nobel Dr to Plaza De Palmas	800
Plaza De Palmas to La Jolla Village Dr	700
La Jolla Village Dr to Regents Park Row	400
Regents Park Row to Executive Dr	900
Executive Dr to Eastgate Mall	700
Eastgate Mall to Health Science Dr	650
Health Science Dr to Genesee Ave	850
Nobel Dr to Mahaila Ave	800
Mahaila Ave to La Jolla Village Dr	700
Eastgate Mall to Country Day Ln	650
Country Day Ln to Genesee Ave	850
N. Torrey Pines Rd to N. Torrey Pines Ct	
Luna Ave to SR-52 WB Ramps	4,400
SR-52 EB Ramps to Governor Dr	3,600

EMFAC2014 (v1.0.7) Emission Rates

Region Type: County

Region: San Diego

Calendar Year: 2035

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, g/mile for RUNEX, PMBW and PMTW

Weighted Emission Factors

Speed Bin (mph)	ROG	CO	NO _x	CO ₂	PM ₁₀	PM _{2.5}
5	0.232	2.635	1.822	1174.887	0.009	0.009
10	0.169	1.929	1.686	1002.684	0.007	0.006
15	0.094	1.041	0.643	626.096	0.005	0.004
20	0.056	0.875	0.337	470.526	0.003	0.003
25	0.036	0.701	0.101	305.790	0.002	0.002
30	0.029	0.642	0.100	282.408	0.001	0.001
35	0.025	0.601	0.093	268.105	0.001	0.001
40	0.022	0.551	0.098	283.352	0.001	0.001
45	0.021	0.505	0.107	316.323	0.001	0.001
50	0.020	0.443	0.126	375.849	0.002	0.001
55	0.019	0.415	0.126	429.950	0.002	0.002
60	0.019	0.408	0.078	335.838	0.001	0.001
65	0.022	0.446	0.049	235.212	0.001	0.001
70						
75						
80						
85						
90						

T6 OOS he: Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T6 OOS sm Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T6 Public Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T6 utility Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 Ag Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 CAIRP Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 CAIRP c Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 NNOOS Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 NOOS Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 other pc Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 POLA Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 Public Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 Single Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 single cc Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 SWCV Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 tractor Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 tractor c Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
T7 utility Aggregatec	90 DSL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

speed	ROG_RUNEX	CO_RUNEX	NOx_RUNEX	CO2_RUNEX	PM10_RUNEX	PM2_5_RUNEX
5	0.232157	2.635308	1.821519	1174.887	0.009427	0.008829177
10	0.168506	1.929142	1.685983	1002.684	0.006877	0.006463418
15	0.093846	1.041361	0.643363	626.0965	0.004688	0.004400117
20	0.05603	0.875168	0.337278	470.5264	0.003194	0.002991254
25	0.035962	0.700813	0.101095	305.7902	0.001701	0.001576132
30	0.02919	0.641754	0.099748	282.4084	0.001407	0.001306985
35	0.024622	0.601432	0.093209	268.1053	0.00117	0.001086719
40	0.021969	0.550658	0.097517	283.3521	0.001126	0.001050395
45	0.020728	0.505434	0.106721	316.3227	0.001207	0.00113095
50	0.02	0.442696	0.125625	375.8488	0.001562	0.00147378
55	0.019291	0.414875	0.125938	429.9503	0.001624	0.001533135
60	0.018792	0.407662	0.077728	335.8381	0.001137	0.001063085
65	0.022142	0.446447	0.04943	235.2123	0.000897	0.000826099

193110.3
663504.8
1479494

EMFAC2014 (v1.0.7) Emissions Inventory

Region Type: County

Region: San Diego

Calendar Year: 2035

Season: Annual

Vehicle Classification: EMFAC2011 Categories

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

Region	CalYr	VehClass	MdlYr	Speed	Fuel	Population	VMT	Trips	ROG_RUNE	ROG_IDLE	ROG_STRE	ROG_TOTE	ROG_DIUR	ROG_HTSK	ROG_RUNL	ROG_RESTI	ROG_TOTA	TOG_RUNE
San Diego	2035	All Other Buses	Aggregatec	Aggregatec	DSL	818.8938	39397.32	0	0.002114	1.43E-05	0	0.002128	0	0	0	0	0.002128	0.002407
San Diego	2035	LDA	Aggregatec	Aggregatec	GAS	1593255	48408570	10071266	0.660856	0	0.771012	1.431868	0.143877	0.50189	1.708993	0.182823	3.969451	0.964319
San Diego	2035	LDA	Aggregatec	Aggregatec	DSL	21524.03	665027.1	136803.4	0.003641	0	0	0.003641	0	0	0	0	0.003641	0.004145
San Diego	2035	LDA	Aggregatec	Aggregatec	ELEC	252461.9	8233397	1618748	0	0	0	0	0.004712	0.008715	0	0.001957	0.015383	0
San Diego	2035	LDT1	Aggregatec	Aggregatec	GAS	115151.6	3378753	706119.1	0.02806	0	0.035572	0.063633	0.030059	0.083303	0.296208	0.036919	0.510122	0.040946
San Diego	2035	LDT1	Aggregatec	Aggregatec	DSL	63.71797	1874.339	391.3893	3.78E-05	0	0	3.78E-05	0	0	0	0	3.78E-05	4.3E-05
San Diego	2035	LDT1	Aggregatec	Aggregatec	ELEC	49.2585	1481.139	305.1881	0	0	0	0	9.19E-07	1.64E-06	0	3.82E-07	2.94E-06	0
San Diego	2035	LDT2	Aggregatec	Aggregatec	GAS	515003.4	16378273	3257862	0.106827	0	0.090244	0.19707	0.070182	0.172871	0.738192	0.095844	1.274159	0.155881
San Diego	2035	LDT2	Aggregatec	Aggregatec	DSL	1120.399	35919.43	7123.957	0.000589	0	0	0.000589	0	0	0	0	0.000589	0.000671
San Diego	2035	LHD1	Aggregatec	Aggregatec	GAS	12164.95	345136.8	181239.7	0.00533	0.003507	0.041916	0.050753	0.000524	0.023044	0.119182	0.000467	0.19397	0.007777
San Diego	2035	LHD1	Aggregatec	Aggregatec	DSL	23756.46	707069.4	298826.4	0.104669	0.002874	0	0.107543	0	0	0	0	0.107543	0.119158
San Diego	2035	LHD2	Aggregatec	Aggregatec	GAS	4333.05	141928	64555.98	0.001069	0.001093	0.006943	0.009106	9.07E-05	0.003113	0.015747	8.75E-05	0.028144	0.00156
San Diego	2035	LHD2	Aggregatec	Aggregatec	DSL	10556.92	348187.3	132792.8	0.046768	0.001277	0	0.048045	0	0	0	0	0.048045	0.053242
San Diego	2035	MCY	Aggregatec	Aggregatec	GAS	79298.02	514749.4	158580.2	1.311856	0	0.350338	1.662193	0.157391	0.111502	0.228957	0.116713	2.276757	1.645586
San Diego	2035	MDV	Aggregatec	Aggregatec	GAS	291876.5	8741810	1808436	0.08244	0	0.103316	0.185756	0.078259	0.188319	0.602884	0.110119	1.165337	0.120297
San Diego	2035	MDV	Aggregatec	Aggregatec	DSL	7786.318	243300.5	49257.44	0.001533	0	0	0.001533	0	0	0	0	0.001533	0.001745
San Diego	2035	MH	Aggregatec	Aggregatec	GAS	6817.952	51253.05	682.0679	0.001053	0	0.000198	0.001251	0.000358	2.85E-05	0.000382	0.000237	0.002256	0.001537
San Diego	2035	MH	Aggregatec	Aggregatec	DSL	1933.243	14508.04	193.3243	0.001417	0	0	0.001417	0	0	0	0	0.001417	0.001613
San Diego	2035	Motor Coach	Aggregatec	Aggregatec	DSL	296.1466	39524.77	0	0.003421	0.00028	0	0.003701	0	0	0	0	0.003701	0.003894
San Diego	2035	OBUS	Aggregatec	Aggregatec	GAS	2078.015	101446.8	41576.91	0.001465	0.001341	0.012844	0.015651	5.73E-05	0.000798	0.009423	4.12E-05	0.025971	0.002138
San Diego	2035	PTO	Aggregatec	Aggregatec	DSL	0	40648.1	0	0.008934	0	0	0.008934	0	0	0	0	0.008934	0.010171
San Diego	2035	SBUS	Aggregatec	Aggregatec	GAS	645.427	27270.91	2581.708	0.000378	0.005838	0.001877	0.008093	1.87E-05	0.000176	0.001183	1.39E-05	0.009484	0.000552
San Diego	2035	SBUS	Aggregatec	Aggregatec	DSL	1271.178	46984.4	0	0.003587	0.000148	0	0.003735	0	0	0	0	0.003735	0.004083
San Diego	2035	T6 Ag	Aggregatec	Aggregatec	DSL	326.4919	3928.586	0	0.000233	5.69E-06	0	0.000238	0	0	0	0	0.000238	0.000265
San Diego	2035	T6 CAIRP heavy	Aggregatec	Aggregatec	DSL	54.99132	2673.944	0	0.000124	9.58E-07	0	0.000125	0	0	0	0	0.000125	0.000141
San Diego	2035	T6 CAIRP small	Aggregatec	Aggregatec	DSL	142.2335	8208.347	0	0.000359	2.48E-06	0	0.000362	0	0	0	0	0.000362	0.000409
San Diego	2035	T6 instate construction heavy	Aggregatec	Aggregatec	DSL	570.4295	44964.68	0	0.002374	9.94E-06	0	0.002384	0	0	0	0	0.002384	0.002703
San Diego	2035	T6 instate construction small	Aggregatec	Aggregatec	DSL	2515.743	120792.7	0	0.005828	4.39E-05	0	0.005872	0	0	0	0	0.005872	0.006635
San Diego	2035	T6 instate heavy	Aggregatec	Aggregatec	DSL	7447.861	366986.3	0	0.01886	0.00013	0	0.01899	0	0	0	0	0.01899	0.021471
San Diego	2035	T6 instate small	Aggregatec	Aggregatec	DSL	17955.49	924383.4	0	0.044442	0.000313	0	0.044755	0	0	0	0	0.044755	0.050594
San Diego	2035	T6 OOS heavy	Aggregatec	Aggregatec	DSL	31.57648	1532.069	0	7.09E-05	5.5E-07	0	7.15E-05	0	0	0	0	7.15E-05	8.08E-05
San Diego	2035	T6 OOS small	Aggregatec	Aggregatec	DSL	81.49446	4703.074	0	0.000206	1.42E-06	0	0.000207	0	0	0	0	0.000207	0.000234
San Diego	2035	T6 Public	Aggregatec	Aggregatec	DSL	2445.286	40937.21	0	0.001785	5.26E-05	0	0.001838	0	0	0	0	0.001838	0.002032
San Diego	2035	T6 utility	Aggregatec	Aggregatec	DSL	309.3286	5828.117	0	0.000211	5.39E-06	0	0.000216	0	0	0	0	0.000216	0.00024
San Diego	2035	T6TS	Aggregatec	Aggregatec	GAS	3857.849	184607.5	77187.84	0.002684	0.003349	0.031974	0.038006	8.46E-05	0.004272	0.021041	8.16E-05	0.063486	0.003916
San Diego	2035	T7 Ag	Aggregatec	Aggregatec	DSL	305.4661	2922.302	0	0.000298	0.000136	0	0.000434	0	0	0	0	0.000434	0.000339
San Diego	2035	T7 CAIRP	Aggregatec	Aggregatec	DSL	1598.926	409039.9	0	0.034746	0.003949	0	0.038695	0	0	0	0	0.038695	0.039556
San Diego	2035	T7 CAIRP construction	Aggregatec	Aggregatec	DSL	147.449	31897.6	0	0.002774	0.000364	0	0.003138	0	0	0	0	0.003138	0.003158

San Diego	2035 T7 NNOOS	Aggregatec Aggregatec DSL	2055.796	507209.9	0	0.037681	0.006302	0	0.043983	0	0	0	0	0.043983	0.042897
San Diego	2035 T7 NOOS	Aggregatec Aggregatec DSL	633.6332	161570.6	0	0.013733	0.001942	0	0.015675	0	0	0	0	0.015675	0.015634
San Diego	2035 T7 other port	Aggregatec Aggregatec DSL	660.656	117849.1	0	0.010917	0.000257	0	0.011174	0	0	0	0	0.011174	0.012429
San Diego	2035 T7 POLA	Aggregatec Aggregatec DSL	325.3516	71484.9	0	0.006649	0.000252	0	0.0069	0	0	0	0	0.0069	0.007569
San Diego	2035 T7 Public	Aggregatec Aggregatec DSL	1345.443	30844.54	0	0.002382	0.001332	0	0.003714	0	0	0	0	0.003714	0.002712
San Diego	2035 T7 Single	Aggregatec Aggregatec DSL	1814.374	204712	0	0.014782	0.000807	0	0.015589	0	0	0	0	0.015589	0.016828
San Diego	2035 T7 single construction	Aggregatec Aggregatec DSL	872.6738	82514.91	0	0.00595	0.000389	0	0.006338	0	0	0	0	0.006338	0.006773
San Diego	2035 T7 SWCV	Aggregatec Aggregatec DSL	1925.35	88703.38	0	0.008495	0.000327	0	0.008822	0	0	0	0	0.008822	0.387358
San Diego	2035 T7 tractor	Aggregatec Aggregatec DSL	4875.828	620348.5	0	0.054665	0.002169	0	0.056834	0	0	0	0	0.056834	0.062232
San Diego	2035 T7 tractor construction	Aggregatec Aggregatec DSL	711.0732	61520.96	0	0.005577	0.000317	0	0.005894	0	0	0	0	0.005894	0.006349
San Diego	2035 T7 utility	Aggregatec Aggregatec DSL	131.1522	2993.928	0	0.000165	8.82E-05	0	0.000253	0	0	0	0	0.000253	0.000187
San Diego	2035 T7IS	Aggregatec Aggregatec GAS	217.2272	24830.56	4346.282	0.008492	0	0.003414	0.011907	4.79E-06	0.000231	0.001142	4.73E-06	0.013289	0.012392
San Diego	2035 UBUS	Aggregatec Aggregatec GAS	573.5523	71917.57	2294.209	0.003017	0	0.003863	0.00688	1.44E-05	0.000267	0.002252	1.56E-05	0.009429	0.004402
San Diego	2035 UBUS	Aggregatec Aggregatec DSL	633.9302	79488.33	2535.721	0.01968	0	0	0.01968	0	0	0	0	0.01968	0.195978

TOG_IDLEX	TOG_STRE	TOG_TOTE	TOG_DIUR	TOG_HTSK	TOG_RUNL	TOG_RESTI	TOG_TOTA	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	NOx_RUNE	NOx_IDLEX	NOx_STRE	NOx_TOTE	CO2_RUNE	CO2_IDLEX	CO2_STRE	CO2_TOTE	PM10_RUN
1.62E-05	0	0.002423	0	0	0	0	0.002423	0.011128	0.000107	0	0.011234	0.057034	0.001554	0.023831	0.082419	51.07242	0.577313	0	51.64973	0.000151
0	0.844161	1.80848	0.143877	0.50189	1.708993	0.182823	4.346063	23.59588	0	11.22615	34.82202	2.555599	0	0.474582	3.03018	10977.65	0	486.6763	11464.32	0.054894
0	0	0.004145	0	0	0	0	0.004145	0.109558	0	0	0.109558	0.00779	0	0	0.00779	148.5139	0	0	148.5139	0.000759
0	0	0	0.004712	0.008715	0	0.001957	0.015383	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0.038947	0.079893	0.030059	0.083303	0.296208	0.036919	0.526382	1.578394	0	0.66296	2.241355	0.132583	0	0.034355	0.166938	867.5207	0	39.39035	906.9111	0.004419
0	0	4.3E-05	0	0	0	0	4.3E-05	0.000396	0	0	0.000396	0.000193	0	0	0.000193	0.475379	0	0	0.475379	1.31E-05
0	0	0	9.19E-07	1.64E-06	0	3.82E-07	2.94E-06	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0.098805	0.254687	0.070182	0.172871	0.738192	0.095844	1.331776	7.160682	0	2.265792	9.426474	0.538995	0	0.109476	0.648471	4660.712	0	197.8469	4858.559	0.018789
0	0	0.000671	0	0	0	0	0.000671	0.005798	0	0	0.005798	0.001173	0	0	0.001173	10.01834	0	0	10.01834	0.000159
0.005118	0.045892	0.058787	0.000524	0.023044	0.119182	0.000467	0.202005	0.108959	0.041919	0.582667	0.733545	0.041208	0.000316	0.217666	0.25919	302.0755	1.468993	11.18366	314.7282	0.000828
0.003272	0	0.12243	0	0	0	0	0.12243	0.488242	0.023824	0	0.512065	0.438467	0.034439	0	0.472907	407.1636	3.321874	0	410.4855	0.009787
0.001595	0.007602	0.010757	9.07E-05	0.003113	0.015747	8.75E-05	0.029796	0.024656	0.015091	0.177759	0.217506	0.007429	9.83E-05	0.046432	0.053959	137.7319	0.595561	4.626069	142.9535	0.000339
0.001454	0	0.054696	0	0	0	0	0.054696	0.208786	0.010587	0	0.219373	0.059705	0.012195	0	0.0719	221.8358	2.328049	0	224.1639	0.003972
0	0.3816	2.027186	0.157391	0.111502	0.228957	0.116713	2.641749	10.38436	0	1.735511	12.11987	0.647603	0	0.05431	0.701913	104.914	0	7.395125	112.3091	0.001379
0	0.113118	0.233415	0.078259	0.188319	0.602884	0.110119	1.212996	4.693627	0	1.902953	6.596581	0.413749	0	0.12135	0.535099	3315.575	0	148.8762	3464.451	0.010584
0	0	0.001745	0	0	0	0	0.001745	0.04485	0	0	0.04485	0.003121	0	0	0.003121	89.17289	0	0	89.17289	0.000344
0	0.000217	0.001754	0.000358	2.85E-05	0.000382	0.000237	0.002758	0.020669	0	0.003252	0.023922	0.009315	0	0.000568	0.009882	69.40349	0	0.05447	69.45796	7.77E-05
0	0	0.001613	0	0	0	0	0.001613	0.004458	0	0	0.004458	0.048277	0	0	0.048277	16.30133	0	0	16.30133	0.000687
0.000319	0	0.004213	0	0	0	0	0.004213	0.020199	0.001035	0	0.021234	0.06821	0.008542	0.017053	0.093804	70.11667	3.335537	0	73.45221	0.000207
0.001957	0.014063	0.018158	5.73E-05	0.000798	0.009423	4.12E-05	0.028478	0.026519	0.011141	0.197762	0.235422	0.01158	0.00012	0.032329	0.044029	135.8729	0.804729	3.281644	139.9593	0.000157
0	0	0.010171	0	0	0	0	0.010171	0.052752	0	0	0.052752	0.185145	0	0	0.185145	82.57807	0	0	82.57807	0.000274
0.008519	0.002055	0.011125	1.87E-05	0.000176	0.001183	1.39E-05	0.012517	0.006669	0.048679	0.033696	0.089044	0.002949	0.000525	0.002463	0.005937	19.04309	1.675891	0.339782	21.05877	4.55E-05
0.000168	0	0.004251	0	0	0	0	0.004251	0.016519	0.001147	0	0.017666	0.087746	0.017801	0.034486	0.140033	64.72519	4.860658	0	69.58585	0.000303
6.47E-06	0	0.000271	0	0	0	0	0.000271	0.001224	4.25E-05	0	0.001266	0.006785	0.000619	0.00939	0.016795	5.164323	0.233386	0	5.397709	1.68E-05
1.09E-06	0	0.000142	0	0	0	0	0.000142	0.000651	7.16E-06	0	0.000658	0.003065	0.000104	0.001865	0.005034	3.329679	0.037879	0	3.367558	8.43E-06
2.82E-06	0	0.000412	0	0	0	0	0.000412	0.001892	1.85E-05	0	0.001911	0.00864	0.00027	0.004826	0.013736	10.46487	0.09788	0	10.56275	2.4E-05
1.13E-05	0	0.002714	0	0	0	0	0.002714	0.012489	7.44E-05	0	0.012564	0.063508	0.001084	0.01661	0.081201	57.88632	0.397191	0	58.28351	0.000169
4.99E-05	0	0.006685	0	0	0	0	0.006685	0.030661	0.000328	0	0.030989	0.148	0.00479	0.073469	0.226258	154.7046	1.742913	0	156.4475	0.000405
0.000148	0	0.021619	0	0	0	0	0.021619	0.099274	0.00097	0	0.100244	0.499149	0.014131	0.217076	0.730356	460.2456	5.179785	0	465.4254	0.001326
0.000356	0	0.05095	0	0	0	0	0.05095	0.233929	0.002338	0	0.236267	1.125422	0.034068	0.524734	1.684224	1184.079	12.44278	0	1196.522	0.003067
6.26E-07	0	8.14E-05	0	0	0	0	8.14E-05	0.000373	4.11E-06	0	0.000377	0.001758	5.99E-05	0.001071	0.002889	1.907862	0.021752	0	1.929614	4.83E-06
1.62E-06	0	0.000236	0	0	0	0	0.000236	0.001084	1.06E-05	0	0.001095	0.004951	0.000155	0.002765	0.00787	5.995976	0.056082	0	6.052058	1.37E-05
5.99E-05	0	0.002092	0	0	0	0	0.002092	0.008533	0.000416	0	0.008949	0.052949	0.00687	0.064866	0.124685	52.66563	1.721773	0	54.3874	0.000196
6.13E-06	0	0.000246	0	0	0	0	0.000246	0.001111	4.03E-05	0	0.001151	0.004525	0.000587	0.009047	0.014159	7.435585	0.212956	0	7.648541	1.29E-05
0.004887	0.035007	0.04381	8.46E-05	0.004272	0.021041	8.16E-05	0.069289	0.049797	0.051499	0.489554	0.59085	0.021364	0.000307	0.069612	0.091283	247.0203	2.126754	9.168269	258.3153	0.000286
0.000155	0	0.000494	0	0	0	0	0.000494	0.001758	0.000502	0	0.00226	0.007234	0.004145	0.014808	0.026188	5.082069	1.649583	0	6.731652	2.16E-05
0.004496	0	0.044051	0	0	0	0	0.044051	0.205167	0.014599	0	0.219766	0.607008	0.120451	0.092035	0.819494	642.159	43.50689	0	685.6659	0.002467
0.000415	0	0.003572	0	0	0	0	0.003572	0.016374	0.001347	0	0.01772	0.048544	0.011111	0.008493	0.068148	51.41425	3.995244	0	55.40949	0.000199

0.007174	0	0.050071	0	0	0	0	0.050071	0.222495	0.023297	0	0.245792	0.613445	0.192212	0.118498	0.924154	794.2025	68.96813	0	863.1706	0.002564
0.002211	0	0.017845	0	0	0	0	0.017845	0.08109	0.007181	0	0.08827	0.24015	0.059243	0.03647	0.335863	253.6799	21.40437	0	275.0843	0.000975
0.000292	0	0.012721	0	0	0	0	0.012721	0.064464	0.000949	0	0.065414	0.193858	0.007832	0.040543	0.242233	189.6049	2.810198	0	192.4151	0.000795
0.000287	0	0.007856	0	0	0	0	0.007856	0.039258	0.000931	0	0.040189	0.122317	0.007679	0.019933	0.149929	116.0953	2.781219	0	118.8766	0.000483
0.001516	0	0.004228	0	0	0	0	0.004228	0.011341	0.005344	0	0.016685	0.099592	0.054529	0.05426	0.208381	52.39196	10.60835	0	63.00031	0.000394
0.000919	0	0.017747	0	0	0	0	0.017747	0.087284	0.002984	0	0.090269	0.257486	0.024622	0.08949	0.371598	335.3752	9.159173	0	344.5344	0.000989
0.000442	0	0.007216	0	0	0	0	0.007216	0.03507	0.001437	0	0.036507	0.103602	0.01187	0.043045	0.158517	134.9955	4.37964	0	139.3752	0.000404
0.00147	0	0.388828	0	0	0	0	0.388828	1.323093	0.006881	0	1.329974	0.171939	0.057715	0.00024	0.229894	313.3713	14.61486	0	327.9862	0.000431
0.00247	0	0.064701	0	0	0	0	0.064701	0.322783	0.00802	0	0.330803	0.998955	0.066167	0.241567	1.30669	980.3893	24.11824	0	1004.508	0.003911
0.00036	0	0.00671	0	0	0	0	0.00671	0.032916	0.00117	0	0.034087	0.102711	0.009657	0.035203	0.147571	100.0703	3.52434	0	103.5946	0.000404
0.0001	0	0.000288	0	0	0	0	0.000288	0.000972	0.000326	0	0.001298	0.002342	0.002691	0.006507	0.01154	4.859523	0.973959	0	5.833482	9.79E-06
0	0.003738	0.01613	4.79E-06	0.000231	0.001142	4.73E-06	0.017513	0.81013	0	0.200524	1.010654	0.081803	0	0.015377	0.09718	44.04569	0	0.608792	44.65448	3.13E-05
0	0.00423	0.008632	1.44E-05	0.000267	0.002252	1.56E-05	0.011181	0.055144	0	0.04081	0.095955	0.034094	0	0.006794	0.040888	128.5305	0	0.742361	129.2729	0.00018
0	0	0.195978	0	0	0	0	0.195978	0.744956	0	0	0.744956	0.259891	0	0	0.259891	163.0468	0	0	163.0468	0.003666

PM10_IDLE	PM10_STR	PM10_TOT	PM10_PM	PM10_PMI	PM10_TOT	PM2_5_RU	PM2_5_IDI	PM2_5_STI	PM2_5_TO	PM2_5_PN	PM2_5_PN	PM2_5_TO	SOx_RUNE	SOx_IDLEX	SOx_STREX	SOx_TOTE	Fuel_Consumption
1.19E-07	0	0.000151	0.000521	0.00566	0.006332	0.000144	1.14E-07	0	0.000144	0.00013	0.002426	0.0027	0.000487	5.51E-06	0	0.000493	4.648475566
0	0.016973	0.071867	0.426891	1.961028	2.459786	0.050473	0	0.015606	0.066079	0.106723	0.840441	1.013242	0.109975	0	0.00506	0.115034	1227.006696
0	0	0.000759	0.005865	0.02694	0.033563	0.000726	0	0	0.000726	0.001466	0.011546	0.013738	0.001418	0	0	0.001418	13.36624721
0	0	0	0.072606	0.333534	0.406141	0	0	0	0	0.018152	0.142943	0.161095	0	0	0	0	0
0	0.001348	0.005767	0.029796	0.136873	0.172436	0.004063	0	0.00124	0.005303	0.007449	0.05866	0.071412	0.008685	0	0.000405	0.00909	96.9592011
0	0	1.31E-05	1.65E-05	7.59E-05	0.000106	1.25E-05	0	0	1.25E-05	4.13E-06	3.25E-05	4.92E-05	4.54E-06	0	0	4.54E-06	0.042784134
0	0	0	1.31E-05	6E-05	7.31E-05	0	0	0	0	3.27E-06	2.57E-05	2.9E-05	0	0	0	0	0
0	0.005459	0.024248	0.144432	0.663483	0.832162	0.017276	0	0.005019	0.022295	0.036108	0.28435	0.342753	0.046639	0	0.002013	0.048652	518.9485052
0	0	0.000159	0.000317	0.001455	0.001931	0.000153	0	0	0.000153	7.92E-05	0.000624	0.000855	9.56E-05	0	0	9.56E-05	0.901650325
0	0.000239	0.001066	0.003044	0.029081	0.033191	0.000761	0	0.000219	0.00098	0.000761	0.012463	0.014205	0.003017	1.55E-05	0.000122	0.003155	33.65071408
0.000428	0	0.010215	0.009353	0.059578	0.079146	0.009363	0.00041	0	0.009773	0.002338	0.025533	0.037645	0.003887	3.17E-05	0	0.003919	36.9436929
0	8.1E-05	0.00042	0.001252	0.013952	0.015623	0.000311	0	7.44E-05	0.000386	0.000313	0.005979	0.006678	0.001375	6.23E-06	4.92E-05	0.001431	15.26009257
0.000204	0	0.004177	0.004606	0.034228	0.04301	0.0038	0.000196	0	0.003996	0.001151	0.014669	0.019817	0.002118	2.22E-05	0	0.00214	20.17474971
0	0.000567	0.001946	0.00227	0.006673	0.010888	0.001286	0	0.00053	0.001815	0.000567	0.00286	0.005242	0.001258	0	0.000113	0.001371	14.6242286
0	0.003245	0.013829	0.07709	0.35413	0.445049	0.009732	0	0.002983	0.012715	0.019272	0.15177	0.183758	0.033172	0	0.001519	0.034692	370.0378748
0	0	0.000344	0.002146	0.009856	0.012346	0.000329	0	0	0.000329	0.000536	0.004224	0.005089	0.000851	0	0	0.000851	8.025559888
0	8.05E-07	7.85E-05	0.000678	0.007364	0.00812	7.14E-05	0	7.4E-07	7.21E-05	0.000169	0.003156	0.003398	0.000693	0	6.01E-07	0.000694	7.399741298
0	0	0.000687	0.000256	0.002084	0.003027	0.000657	0	0	0.000657	6.4E-05	0.000893	0.001615	0.000156	0	0	0.000156	1.467119388
8.24E-07	0	0.000208	0.000523	0.005679	0.006409	0.000198	7.89E-07	0	0.000199	0.000131	0.002434	0.002763	0.000669	3.18E-05	0	0.000701	6.610698808
0	5.08E-05	0.000208	0.001342	0.014575	0.016125	0.000144	0	4.67E-05	0.000191	0.000335	0.006247	0.006773	0.001357	8.26E-06	3.63E-05	0.001401	14.94668389
0	0	0.000274	0	0	0.000274	0.000262	0	0	0.000262	0	0	0.000262	0.000788	0	0	0.000788	7.432026451
0	7.04E-06	5.26E-05	0.00024	0.022389	0.022683	4.19E-05	0	6.47E-06	4.83E-05	6.01E-05	0.009595	0.009704	0.00019	1.77E-05	3.98E-06	0.000212	2.260519268
3.53E-06	0	0.000306	0.000621	0.038574	0.039502	0.00029	3.38E-06	0	0.000293	0.000155	0.016532	0.01698	0.000618	4.64E-05	0	0.000664	6.262726408
4.76E-08	0	1.69E-05	5.2E-05	0.000564	0.000633	1.61E-05	4.56E-08	0	1.62E-05	1.3E-05	0.000242	0.000271	4.93E-05	2.23E-06	0	5.15E-05	0.485793845
8.02E-09	0	8.44E-06	3.54E-05	0.000384	0.000428	8.06E-06	7.68E-09	0	8.07E-06	8.84E-06	0.000165	0.000182	3.18E-05	3.61E-07	0	3.21E-05	0.303080222
2.08E-08	0	2.4E-05	0.000109	0.001179	0.001312	2.3E-05	1.99E-08	0	2.3E-05	2.71E-05	0.000505	0.000556	9.98E-05	9.34E-07	0	0.000101	0.950647401
8.51E-08	0	0.000169	0.000595	0.00646	0.007224	0.000162	8.15E-08	0	0.000162	0.000149	0.002769	0.003079	0.000552	3.79E-06	0	0.000556	5.24551571
3.84E-07	0	0.000405	0.001598	0.017355	0.019358	0.000387	3.67E-07	0	0.000387	0.000399	0.007438	0.008225	0.001476	1.66E-05	0	0.001493	14.08027195
1.09E-06	0	0.001327	0.004854	0.052727	0.058908	0.001269	1.04E-06	0	0.00127	0.001214	0.022597	0.02508	0.004391	4.94E-05	0	0.00444	41.88828696
2.62E-06	0	0.00307	0.012227	0.132811	0.148108	0.002934	2.51E-06	0	0.002937	0.003057	0.056919	0.062913	0.011297	0.000119	0	0.011415	107.6869801
4.61E-09	0	4.84E-06	2.03E-05	0.00022	0.000245	4.62E-06	4.41E-09	0	4.63E-06	5.07E-06	9.43E-05	0.000104	1.82E-05	2.08E-07	0	1.84E-05	0.173665245
1.19E-08	0	1.38E-05	6.22E-05	0.000676	0.000752	1.31E-05	1.14E-08	0	1.32E-05	1.56E-05	0.00029	0.000318	5.72E-05	5.35E-07	0	5.77E-05	0.544685234
2.84E-06	0	0.000199	0.000542	0.005882	0.006622	0.000187	2.72E-06	0	0.00019	0.000135	0.002521	0.002846	0.000502	1.64E-05	0	0.000519	4.894865963
4.51E-08	0	1.29E-05	7.71E-05	0.000837	0.000927	1.23E-05	4.32E-08	0	1.24E-05	1.93E-05	0.000359	0.000391	7.09E-05	2.03E-06	0	7.3E-05	0.688368697
0	0.000129	0.000415	0.002442	0.026524	0.02938	0.000263	0	0.000119	0.000381	0.00061	0.011367	0.012359	0.002467	2.22E-05	0.0001	0.002589	27.61575928
4E-07	0	2.2E-05	0.000116	0.000199	0.000337	2.06E-05	3.83E-07	0	2.1E-05	2.9E-05	8.52E-05	0.000135	4.85E-05	1.57E-05	0	6.42E-05	0.605848687
1.16E-05	0	0.002478	0.016232	0.027838	0.046548	0.00236	1.11E-05	0	0.002371	0.004058	0.011931	0.01836	0.006126	0.000415	0	0.006542	61.70992785
1.09E-06	0	0.0002	0.001266	0.002171	0.003637	0.00019	1.04E-06	0	0.000191	0.000316	0.00093	0.001438	0.000491	3.81E-05	0	0.000529	4.986854464

1.86E-05	0	0.002583	0.020128	0.034519	0.05723	0.002453	1.78E-05	0	0.002471	0.005032	0.014794	0.022297	0.007577	0.000658	0	0.008235	77.6853583
5.72E-06	0	0.000981	0.006412	0.010996	0.018388	0.000933	5.47E-06	0	0.000938	0.001603	0.004713	0.007254	0.00242	0.000204	0	0.002624	24.75758763
7.56E-07	0	0.000796	0.004677	0.00802	0.013493	0.000761	7.23E-07	0	0.000762	0.001169	0.003437	0.005368	0.001809	2.68E-05	0	0.001836	17.31735873
7.41E-07	0	0.000484	0.002837	0.004865	0.008186	0.000462	7.09E-07	0	0.000463	0.000709	0.002085	0.003257	0.001108	2.65E-05	0	0.001134	10.69889081
4.24E-05	0	0.000436	0.001224	0.002099	0.003759	0.000377	4.05E-05	0	0.000417	0.000306	0.0009	0.001623	0.0005	0.000101	0	0.000601	5.670027723
2.38E-06	0	0.000991	0.008124	0.013932	0.023047	0.000946	2.27E-06	0	0.000948	0.002031	0.005971	0.00895	0.0032	8.74E-05	0	0.003287	31.00809194
1.2E-06	0	0.000405	0.003274	0.005616	0.009296	0.000387	1.15E-06	0	0.000388	0.000819	0.002407	0.003613	0.001288	4.18E-05	0	0.00133	12.54376484
5.61E-05	0	0.000487	0.00352	0.006037	0.010044	0.000412	5.37E-05	0	0.000466	0.00088	0.002587	0.003933	0.000311	1.22E-05	0	0.000323	29.51875682
6.39E-06	0	0.003917	0.024617	0.042219	0.070753	0.003741	6.11E-06	0	0.003748	0.006154	0.018094	0.027996	0.009353	0.00023	0	0.009583	90.40567809
9.44E-07	0	0.000405	0.002441	0.004187	0.007033	0.000386	9.03E-07	0	0.000387	0.00061	0.001794	0.002792	0.000955	3.36E-05	0	0.000988	9.323518073
2.6E-07	0	1.01E-05	0.000119	0.000204	0.000333	9.37E-06	2.48E-07	0	9.62E-06	2.97E-05	8.73E-05	0.000127	4.64E-05	9.29E-06	0	5.57E-05	0.525013418
0	7.24E-06	3.86E-05	0.000547	0.00169	0.002276	2.88E-05	0	6.65E-06	3.55E-05	0.000137	0.000724	0.000897	0.000453	0	9.34E-06	0.000462	4.928530696
0	8.25E-06	0.000188	0.000951	0.010333	0.011472	0.000165	0	7.58E-06	0.000173	0.000238	0.004428	0.004839	0.001284	0	8.18E-06	0.001292	13.78247919
0	0	0.003666	0.001051	0.073761	0.078478	0.003507	0	0	0.003507	0.000263	0.031612	0.035382	0.000144	0	0	0.000144	14.67421166

