### APPENDIX I Noise and Vibration

Appendix I contains the following components:

- I.1 Long Term Noise Monitoring
- I.2 Noise Impact Calculations

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## I.1 Long Term Noise Monitoring

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### Calculated DNL from long-term noise monitoring data Mission Blue Road 10 dBA 5 dBA

		TIME	dBA	Numbers	More		
		_			Numbers		
7/3/2007	Midnight	0/24	54.1	257040	2570396	812831	Leq Morning Peak Hour 7:00-10:00 a.m.
	am 1:00	100	51.5	141254	1412538	446684	<b>62</b> dBA
	2:00	200	50.9	123027	1230269	389045	
	3:00	300	49.1	81283	812831	257040	Leq Evening Peak Hour 4:00-8:00 p.m.
	4:00	400	53.6	229087	2290868	724436	<b>61</b> dBA
	5:00	500	59.7	933254	9332543	2951209	
	6:00	600	61.6	1445440	14454398	4570882	Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)
	7:00	700	63.6	2290868	22908677	7244360	<b>57</b> dBA
	8:00	800	61.9	1548817	15488166	4897788	
	9:00	900	61.0	1258925	12589254	3981072	Leq Daytime 7:00 am-10:00 p.m.
	10:00	1000	58.7	741310	7413102	2344229	<b>61</b> dBA
	11:00	1100	59.5	891251	8912509	2818383	
	12:00	1200	60.5	1122018	11220185	3548134	Leq 24-Hour
	pm 1:00	1300	60.6	1148154	11481536	3630781	<b>60</b> dBA
	2:00	1400	61.6	1445440	14454398	4570882	
	3:00	1500	61.0		12589254	3981072	Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.
	4:00	1600	61.2	1318257	13182567	4168694	<b>64</b> dBA
	5:00	1700	61.9		15488166	4897788	
	6:00	1800	61.8	1513561	15135612	4786301	CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,
	7:00	1900	61.0		12589254	3981072	65 dBA and 10 dBA penalty for noise between
	8:00	2000	59.7	933254	9332543	2951209	10:00 p.m. and 7:00 a.m.
	9:00	2100	60.4	1096478	10964782	3467369	
	10:00	2200	58.8		7585776	2398833	
	pm 11:00	2300	55.6	363078	3630781	1148154	CNEL - Ldn 0.46659513

### Notes:

Overlooks project site and Bayshore Boulevard

### Calculated Ldn from long-term noise monitoring data northeast perimeter 5 dBA

10 dBA

		TIME	dBA	Numbers	More		
		_			Numbers		
6/28/2007	Midnight (	0/24	65.1	3235937	32359366	10232930	Leq Morning Peak Hour 7:00-10:00 a.m.
	am 1:00	100	63.0	1995262	19952623	6309573	<b>70</b> dBA
	2:00	200	62.6		18197009	5754399	
	3:00	300	63.3	2137962	21379621	6760830	Leq Evening Peak Hour 4:00-8:00 p.m.
	4:00	400	67.6	5754399	57543994	18197009	<b>69</b> dBA
	5:00	500	70.9	12302688	123026877	38904514	
	6:00	600	72.8	19054607	190546072	60255959	Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)
	7:00	700	71.6		144543977		<b>69</b> dBA
	8:00	800	68.8				
	9:00	900	68.8		75857758		Leq Daytime 7:00 am-10:00 p.m.
	10:00	1000	68.1	6456542			<b>69</b> dBA
	11:00	1100	66.8			15135612	
	12:00	1200	66.4	4365158	43651583		Leq 24-Hour
	pm 1:00	1300	68.2	6606934			<b>69</b> dBA
	2:00	1400	68.4	6918310	69183097		
	3:00	1500	68.2	6606934			Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.
	4:00	1600	67.5		56234133		<b>75</b> dBA
	5:00	1700	69.3				
	6:00	1800	69.3				CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,
	7:00	1900	70.0		10000000		75 dBA and 10 dBA penalty for noise between
	8:00	2000	68.1				10:00 p.m. and 7:00 a.m.
	9:00	2100	69.4				
	10:00	2200	70.7		117489755		
	pm 11:00	2300	70.0	10000000	10000000	31622777	CNEL - Ldn 0.28799932

### Calculated Ldn from long-term noise monitoring data northern phase 1 area 10 dBA 5 dBA

		TIME	dBA	Numbers	More		
		_			Numbers		
7/3/2007	Midnight	0/24	58.4	691831	6918310	2187762	Leq Morning Peak Hour 7:00-10:00 a.m.
	am 1:00	100	51.9	154882	1548817	489779	<b>61</b> dBA
	2:00	200	58.4	691831	6918310	2187762	
	3:00	300	59.8	954993	9549926	3019952	Leq Evening Peak Hour 4:00-8:00 p.m.
	4:00	400	58.3	676083	6760830	2137962	<b>61</b> dBA
	5:00	500	59.7	933254	9332543	2951209	
	6:00	600	58.1	645654	6456542	2041738	Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)
	7:00	700	60.6	1148154	11481536	3630781	<b>58</b> dBA
	8:00	800	61.5	1412538	14125375	4466836	
	9:00	900	60.3	1071519	10715193	3388442	Leq Daytime 7:00 am-10:00 p.m.
	10:00	1000	57.2	524807	5248075	1659587	<b>61</b> dBA
	11:00	1100	60.2	1047129	10471285	3311311	
	12:00	1200	60.9		12302688	3890451	Leq 24-Hour
	pm 1:00	1300	64.1		25703958	8128305	<b>60</b> dBA
	2:00	1400	64.6		28840315	9120108	
	3:00	1500	62.9	1949845		6165950	Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.
	4:00	1600	62.5	1778279	17782794	5623413	<b>65</b> dBA
	5:00	1700	59.1	812831	8128305	2570396	
	6:00	1800	61.1	1288250	12882496	4073803	CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,
	7:00	1900	59.2	831764	8317638	2630268	65 dBA and 10 dBA penalty for noise between
	8:00	2000	56.8	478630	4786301	1513561	10:00 p.m. and 7:00 a.m.
	9:00	2100	56.8	478630	4786301	1513561	
	10:00	2200	56.1	407380	4073803	1288250	
	pm 11:00	2300	54.2	263027	2630268	831764	CNEL - Ldn 0.22218211

### Notes:

APPX 120 feet from edge of the closestCaltrain rail

### Calculated Ldn from long-term noise monitoring data northwest perimeter 10 dBA 5 dBA

		TIME	dBA I	Numbers	More		
		_			Numbers		
6/28/2007	Midnight	0/24	55.8	380189	3801894	1202264	Leq Morning Peak Hour 7:00-10:00 a.m.
	am 1:00	100	48.3	67608	676083	213796	<b>58</b> dBA
	2:00	200	49.7	93325	933254	295121	
	3:00	300	50.5	112202	1122018	354813	Leq Evening Peak Hour 4:00-8:00 p.m.
	4:00	400	47.1	51286	512861	162181	<b>58</b> dBA
	5:00	500	51.6	144544	1445440	457088	
	6:00	600	54.1	257040	2570396	812831	Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)
	7:00	700	57.3	537032	5370318	1698244	<b>52</b> dBA
	8:00	800	58.2	660693	6606934	2089296	
	9:00	900	59.4	870964	8709636	2754229	Leq Daytime 7:00 am-10:00 p.m.
	10:00	1000	57.5	562341	5623413	1778279	<b>57</b> dBA
	11:00	1100	56.7	467735	4677351	1479108	
	12:00	1200	56.9	489779	4897788	1548817	Leq 24-Hour
	pm 1:00	1300	57.4	549541	5495409	1737801	<b>56</b> dBA
	2:00	1400	58.5	707946	7079458	2238721	
	3:00	1500	55.8	380189	3801894	1202264	Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.
	4:00	1600	57.7	588844	5888437	1862087	<b>60</b> dBA
	5:00	1700	60.9	1230269	12302688	3890451	
	6:00	1800	55.0	316228	3162278	1000000	CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,
	7:00	1900	52.7	186209	1862087	588844	60 dBA and 10 dBA penalty for noise between
	8:00	2000	54.2	263027	2630268	831764	10:00 p.m. and 7:00 a.m.
	9:00	2100	56.0	398107	3981072	1258925	
	10:00	2200	51.0	125893	1258925	398107	
	pm 11:00	2300	50.6	114815	1148154	363078	CNEL - Ldr 0.35237041

### Notes:

APPX 150 feet from centerline of Tunnel road and 580 feet from Caltrain rail

### Calculated Ldn from long-term noise monitoring data southeast perimeter 10 dBA = 5 dBA

		TIME	dBA	Numbers	More		
		_			Numbers		
6/28/2007	Midnight	0/24	58.9	776247	7762471	2454709	Leq Morning Peak Hour 7:00-10:00 a.m.
	am 1:00	100	54.8	301995	3019952	954993	<b>61</b> dBA
	2:00	200	56.0	398107	3981072	1258925	
	3:00	300	56.5	446684	4466836	1412538	Leq Evening Peak Hour 4:00-8:00 p.m.
	4:00	400	62.7	1862087	18620871	5888437	<b>61</b> dBA
	5:00	500	66.9	4897788	48977882	15488166	
	6:00	600	68.6	7244360	72443596	22908677	Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)
	7:00	700	61.3	1348963	13489629	4265795	<b>63</b> dBA
	8:00	800	59.8	954993	9549926	3019952	
	9:00	900	60.7	1174898	11748976	3715352	Leq Daytime 7:00 am-10:00 p.m.
	10:00	1000	60.4	1096478	10964782	3467369	<b>60</b> dBA
	11:00	1100	61.0	1258925	12589254	3981072	
	12:00	1200	59.4	870964	8709636	2754229	Leq 24-Hour
	pm 1:00	1300	59.8	954993	9549926	3019952	<b>62</b> dBA
	2:00	1400	60.7	1174898	11748976	3715352	
	3:00	1500	59.0	794328	7943282	2511886	Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.
	4:00	1600	60.5	1122018	11220185	3548134	<b>69</b> dBA
	5:00	1700	60.8	1202264	12022644	3801894	
	6:00	1800	62.4	1737801	17378008	5495409	CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,
	7:00	1900	59.5	891251	8912509	2818383	70 dBA and 10 dBA penalty for noise between
	8:00	2000	57.7	588844	5888437	1862087	10:00 p.m. and 7:00 a.m.
	9:00	2100	59.9	977237	9772372	3090295	
	10:00	2200	62.9	1949845	19498446	6165950	
	pm 11:00	2300	61.6	1445440	14454398	4570882	CNEL - Ldn 0.10883855

APPX 500 feet from centerline of US101 Spike at 5 and 6 am may not be traffic. Similar spike the following day

### Calculated Ldn from long-term noise monitoring data San Francisco Street 10 dBA 5 dBA

		TIME	dBA	Numbers	More		
					Numbers		
7/3/2007	Midnight	0/24	60.0	1000000	10000000	3162278	Leq Morning Peak Hour 7:00-10:00 a.m.
	am 1:00	100	58.8	758578	7585776	2398833	<b>68</b> dBA
	2:00	200	61.3	1348963	13489629	4265795	
	3:00	300	59.3	851138	8511380	2691535	Leq Evening Peak Hour 4:00-8:00 p.m.
	4:00	400	60.9	1230269	12302688	3890451	<b>67</b> dBA
	5:00	500	64.1	2570396	25703958	8128305	
	6:00	600	66.2	4168694	41686938	13182567	Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)
	7:00	700	67.7	5888437	58884366	18620871	<b>62</b> dBA
	8:00	800	68.4	6918310	69183097	21877616	
	9:00	900	68.3	6760830	67608298	21379621	Leq Daytime 7:00 am-10:00 p.m.
	10:00	1000	67.3	5370318	53703180	16982437	<b>67</b> dBA
	11:00	1100	67.0	5011872	50118723	15848932	
	12:00	1200	67.4	5495409	54954087	17378008	Leq 24-Hour
	pm 1:00	1300	67.6	5754399	57543994	18197009	<b>66</b> dBA
	2:00	1400	67.2	5248075	52480746	16595869	
	3:00	1500			45708819	14454398	Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.
	4:00	1600	66.3	4265795	42657952	13489629	<b>70</b> dBA
	5:00	1700	67.7	5888437	58884366	18620871	
	6:00	1800	66.8		47863009		CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,
	7:00	1900	66.8	4786301	47863009	15135612	70 dBA and 10 dBA penalty for noise between
	8:00	2000	64.7	2951209	29512092	9332543	10:00 p.m. and 7:00 a.m.
	9:00	2100	64.8		30199517	9549926	
	10:00			2290868	22908677	7244360	
	pm 11:00	2300	61.9	1548817	15488166	4897788	CNEL - Ldn 0.41091487

### Notes:

Overlooks project site and Bayshore Boulevard Includes construction noise from new overpass

#### Calculated Ldn from long-term noise monitoring data southern phase 1 area 10 dBA 5 dBA

		TIME	dBA	Numbers	More		
		-			Numbers		
7/3/2007	Midnight	0 / 24	56.1	407380	4073803	1288250	Leq Morning Peak Hour 7:00-10:00 a.m.
	am 1:00	100	62.3	1698244	16982437	5370318	<b>62</b> dBA
	2:00	200	57.3	537032	5370318		
	3:00	300	48.5	70795	707946		Leq Evening Peak Hour 4:00-8:00 p.m.
	4:00	400	49.6	91201	912011	288403	<b>68</b> dBA
	5:00	500	59.1	812831	8128305		
	6:00	600	57.5	562341	5623413		Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)
	7:00	700	60.8	1202264			<b>57</b> dBA
	8:00	800	63.1		20417379		
	9:00	900	62.2	1659587	16595869	5248075	Leq Daytime 7:00 am-10:00 p.m.
	10:00	1000	59.8	954993	9549926		<b>65</b> dBA
	11:00	1100	59.4	870964	8709636		
	12:00	1200	62.1	1621810		5128614	Leq 24-Hour
	pm 1:00	1300	64.1		25703958		<b>64</b> dBA
	2:00	1400	68.0	6309573		19952623	
	3:00	1500	67.8				Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.
	4:00	1600	70.0		########	31622777	<b>66</b> dBA
	5:00	1700	63.9				
	6:00	1800	68.2	6606934			CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,
	7:00	1900	68.6	7244360		22908677	67 dBA and 10 dBA penalty for noise between
	8:00	2000	59.4	870964	8709636		10:00 p.m. and 7:00 a.m.
	9:00	2100	57.3	537032	5370318		
	10:00	2200	56.1	407380	4073803		
	pm 11:00	2300	52.5	177828	1778279	562341	CNEL - Ldn 0.75438742

### Notes:

APPX 150 feet from edge of the closestCaltrain rail

Hill on western edge provides shieding from traffic on Bayshore Road but adds reflective noise from train passby events

### Calculated Ldn from long-term noise monitoring data southwest perimeter 10 dBA 5 dBA

		TIME	dBA	Numbers	More		
		_		_	Numbers		
6/28/2007	Midnight (	0/24	55.7	371535	3715352	1174898	Leq Morning Peak Hour 7:00-10:00 a.m.
	am 1:00	100	55.6	363078	3630781	1148154	<b>60</b> dBA
	2:00	200	53.4	218776	2187762	691831	
	3:00	300	54.8	301995	3019952	954993	<u>Leq Ev</u> ening Peak Hour 4:00-8:00 p.m.
	4:00	400	54.5		2818383	891251	<b>58</b> dBA
	5:00	500	54.0	251189	2511886	794328	
	6:00	600	57.0	501187	5011872	1584893	Leq Nighttime 10:00 pm-7:00 a.m. (not penalized)
	7:00	700	58.8	758578	7585776	2398833	<b>55</b> dBA
	8:00	800	59.4		8709636	2754229	
	9:00	900	61.7		14791084	4677351	Leq Daytime 7:00 am-10:00 p.m.
	10:00	1000	59.5		8912509	2818383	<b>59</b> dBA
	11:00	1100	59.0		7943282	2511886	
	12:00	1200	58.4		6918310	2187762	Leq 24-Hour
	pm 1:00	1300	58.3		6760830	2137962	<b>58</b> dBA
	2:00	1400	59.3		8511380	2691535	
	3:00	1500	56.2		4168694	1318257	Ldn: 10 dBA penalty for noise between 10:00 p.m. and 7:00 a.m.
	4:00	1600	57.6		5754399	1819701	<b>62</b> dBA
	5:00	1700	60.5		11220185	3548134	
	6:00	1800	56.2		4168694	1318257	CNEL: 5 dBA penalty for noise between 7:00p.m. and 10:00 p.m.,
	7:00	1900	56.1		4073803	1288250	63 dBA and 10 dBA penalty for noise between
	8:00	2000	57.1		5128614	1621810	10:00 p.m. and 7:00 a.m.
	9:00	2100	57.2		5248075	1659587	
	10:00	2200	53.7		2344229	741310	
	pm 11:00	2300	55.4	346737	3467369	1096478	CNEL - Ldn 0.32905087

### Notes:

APPX 150 feet from centerline of Tunnel road and 850 feet from Caltrain rail

### I.2 Noise Impact Calculations

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### Vibration propogation from Construction Equipment

Formula from FTA, 2	2006 = PPVequip where	o = PPVref x (	25/D)^1.5				
PPV refs @ 25 ft =	pile driver pile driver Bulldozer Truck(loa Jackham	r (impact) r (sonic) r (large) ded)	PV@25ft 0.644 0.17 0.089 0.076 0.035	PPV refs @ 25 ft =	pile drive pile drive Bulldoze Truck(loa Jackham	(large) ided)	PPV@25ft 0.644 0.17 0.089 0.076 0.035
Enter distance =	350	Adjacent Bu	ildings	Enter distance =	400	Phase 1 R	esidences
Resultant PPV =	pile driver (impact) pile driver (sonic) Bulldozer (large) Truck(loaded) Jackhammer		0.012294 0.003245 0.001699 0.001451 0.000668	Resultant PPV =	pile driver (impact) pile driver (sonic) Bulldozer (large) Truck(loaded) Jackhammer		0.010063 0.002656 0.001391 0.001188 0.000547
	pile driver (impact) pile driver (sonic) Bulldozer (large) Truck(loaded) Jackhammer	Lv@25 ft 104 93 87 86 79			pile driver (impact) pile driver (sonic) Bulldozer (large) Truck(loaded) Jackhammer	Lv@25 ft 104 93 87 86 79	
Resultant Lv =	pile driver (impact) pile driver (sonic) Bulldozer (large) Truck(loaded) Jackhammer	69.61616 58.61616 52.61616 51.61616 44.61616		Resultant Lv =	pile driver (impact) pile driver (sonic) Bulldozer (large) Truck(loaded) Jackhammer	67.8764 56.8764 50.8764 49.8764 42.8764	

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Output Summary Sheet

				Dist	ances to	Traffic No	oise Con	tours
Segment	Roadway Name	Segment Description	Ldn	75	70	65	60	55
1	Geneva	West of Bayshore	67.1	12	39	123	389	1230
2	Guaplupe Cyn	West of Bayshore	62.5	4	13	42	132	419
3	Old County Road	West of Bayshore	61.2	3	10	32	100	315
4	Bayshore	South of Old County Rd	67.2	12	39	124	394	1245
5	San Bruno Ave	West of Bayshore	51.9	0	1	4	12	37
6	Harney Way	East of Thomas mellon	55.7	1	3	9	28	88
7	Tunnel Avenue	South of Blanken	59.1	2	6	19	62	195
8	Blanken Avenue	East of Bayshore	56.7	1	4	11	35	112
9	Sunnydale Ave	West of Bayshore	56.9	1	4	12	37	116
10	Geneva Ave	East of Carter	67.6	14	43	136	429	1356
11	Geneva Avenue	East of Tunnel						

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Data Input Sheet

						% Med.	% Hvy.			Offset
Segment	Roadway Name	Segment Description	ADT	Day %	Eve % Night %	Trucks	Trucks	Speed	Distance	(dB)
1	Geneva	West of Bayshore	14885	83	17	3	2	35	75	
2	Guaplupe Cyn	West of Bayshore	6775	83	17	1	1	35	75	
3	Old County Road	West of Bayshore	6045	83	17	3	2	25	75	
4	Bayshore	South of Old County Rd	20135	83	17	1	1	35	75	
5	San Bruno Ave	West of Bayshore	1100	83	17	1	1	25	75	
6	Harney Way	East of Thomas mellon	2645	83	17	1	1	25	75	
7	Tunnel Avenue	South of Blanken	4030	83	17	1	1	30	75	
8	Blanken Avenue	East of Bayshore	3355	83	17	1	1	25	75	
9	Sunnydale Ave	West of Bayshore	3470	83	17	1	1	25	75	
10	Geneva Ave	East of Carter	16415	83	17	3	2	35	75	
11	Geneva Avenue	East of Tunnel	0	83		1	1	25	75	

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Predicted Levels

				Medium	Heavy	
Segment	Roadway Name	Segment Description	Autos	Trucks	Trucks	Total
1	Geneva	West of Bayshore	64.3	58.9	62.4	67
2	Guaplupe Cyn	West of Bayshore	61.0	50.8	56.0	62
3	Old County Road	West of Bayshore	56.1	52.8	58.6	61
4	Bayshore	South of Old County Rd	65.7	55.5	60.7	67
5	San Bruno Ave	West of Bayshore	48.9	40.6	48.2	52
6	Harney Way	East of Thomas mellon	52.7	44.4	52.0	56
7	Tunnel Avenue	South of Blanken	56.8	47.5	54.6	59
8	Blanken Avenue	East of Bayshore	53.7	45.4	53.1	57
9	Sunnydale Ave	West of Bayshore	53.9	45.6	53.2	57
10	Geneva Ave	East of Carter	64.7	59.4	62.8	68

# FHWA-RD-77-108 Highway Traffic Noise Prediction Model Noise Contour Output

			· Dist	ances to	Traffic No	oise Cont	ours
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Geneva	West of Bayshore	12	39	123	389	1230
2	Guaplupe Cyn	West of Bayshore	4	13	42	132	419
3	Old County Road	West of Bayshore	3	10	32	100	315
4	Bayshore	South of Old County Rd	12	39	124	394	1245
5	San Bruno Ave	West of Bayshore	0	1	4	12	37
6	Harney Way	East of Thomas mellon	1	3	9	28	88
7	Tunnel Avenue	South of Blanken	2	6	19	62	195
8	Blanken Avenue	East of Bayshore	1	4	11	35	112
9	Sunnydale Ave	West of Bayshore	1	4	12	37	116
10	Geneva Ave	East of Carter	14	43	136	429	1356

ADT Volumes	
Project # :	206069
Description:	Existing
Hourly to Daily Multi	olier:

Hourly to Daily Multiplier:		5						
Intersection (N-S/E-W)	#	Approach:	<b>Turning Movement</b>	AM Inputs	<b>PM</b> Inputs	Traffic Volumes	Peak Hour	ADT
Geneva & Bayshore	1	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	2977	14885
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Guadalupe Cyn & batshore	2	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	1355	6775
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Old County & Bayshore	3	Westbound	Right Turn			North of intersection:	0	0
Cla County & Dayshore	5	Westbound	-			South of intersection:	4027	20135
		Westbound	Through Left Turn			East of intersection:		20135
							0	
		Northbound	Right Turn			West of intersection:	1209	6045
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
San Bruno & Bayshore	4	Westbound	Right Turn			North of intersection:	0	0
-		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	220	1100
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound						
			Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
harney & Thomas Mellon	5	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	529	2645
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
			rnougn			1		
		Southbound	Left Turn					

Hourly to Daily Multipli		5			DIA	<b>—</b> (1) \ ( )		
Intersection (N-S/E-W)	#	Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
Blanken & Tunnel	6	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	806	4030
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound Southbound	Right Turn					
		Southbound	Through Left Turn					
Blanken & Bayshore	7	Westbound	Right Turn			North of intersection:	0	0
Didliken & Dayshole	'	Westbound	Through			South of intersection:	_	0
		Westbound	Left Turn			East of intersection:	0 671	3355
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through			west of intersection.	0	0
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Sunnydale & Bayshore	8	Westbound	Right Turn			North of intersection:	0	0
	Ũ	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0 0	0
		Northbound	Right Turn			West of intersection:	694	3470
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Geneva & Carter	9	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	3283	16415
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
0 0 T ·	15	Southbound	Left Turn					
Geneva & Tunnel	10	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	1				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn Picht Turp					
		Southbound Southbound	Right Turn					
		Southbound	Through Left Turn					
		Southbound						

Project # :	206069							
Description:	Existing	F						
Hourly to Daily Multipl		5			DM locut	Troffia Values a	Deck	4 D T
Intersection (N-S/E-W)	#	Approach:	Turning Movement	Aivi inputs	Pivi inputs		Peak Hour	ADT
	11	Westbound	Right Turn			North of intersection: South of intersection:	0	0
		Westbound	Through				0	0
		Westbound	Left Turn			East of intersection: West of intersection:	0	0 0
		Northbound Northbound	Right Turn			west of intersection:	0	0
		Northbound	Through Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	12	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	13	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound Eastbound	Right Turn					
		Eastbound	Through Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	14	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	ů 0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	15	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through	l				
		Northbound	Left Turn	1				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound Southbound	Left Turn Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
		Southbound						

**ADT Volumes** 

ADI Volumes	000000							
Project # :	206069							
Description:	Existing	_						
Hourly to Daily Multipli		5						
Intersection (N-S/E-W)	#	Approach:	Turning Movement	AM Inputs	PM Inputs		Peak Hour	ADT
	16	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	-				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
	47	Southbound	Left Turn					
	17	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	-				
		Eastbound	Right Turn					
		Eastbound Eastbound	Through Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	18	Westbound	Right Turn			North of intersection:	0	0
	10	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	ů 0	0
		Northbound	Through				Ũ	· ·
		Northbound	Left Turn					
		Eastbound	Right Turn	1				
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	19	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	20	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound Southbound	Through Left Turn					
		Southbound	Lent I urn					

**ADT Volumes** 

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Output Summary Sheet

				Dist	ances to	Traffic No	oise Con	ours
Segment	Roadway Name	Segment Description	Ldn	75	70	65	60	55
1	Geneva	West of Bayshore	68.5	17	53	167	529	1674
2	Guaplupe Cyn	West of Bayshore	63.9	6	18	58	183	578
3	Old County Road	West of Bayshore	63.4	5	16	52	163	516
4	Bayshore	South of Old County Rd	68.0	15	48	150	476	1504
5	San Bruno Ave	West of Bayshore	51.9	0	1	4	12	37
6	Harney Way	East of Thomas mellon	56.2	1	3	10	31	100
7	Tunnel Avenue	South of Blanken	61.6	3	11	34	108	341
8	Blanken Avenue	East of Bayshore	57.2	1	4	12	39	124
9	Sunnydale Ave	West of Bayshore	58.0	2	5	15	48	150
10	Geneva Ave	East of Carter	68.8	18	56	178	563	1782
11	Geneva Avenue	East of Tunnel						

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Data Input Sheet

						% Med.	% Hvy.			Offset
Segment	Roadway Name	Segment Description	ADT	Day %	Eve % Night %	Trucks	Trucks	Speed	Distance	(dB)
1	Geneva	West of Bayshore	20260	83	17	3	2	35	75	
2	Guaplupe Cyn	West of Bayshore	9350	83	17	1	1	35	75	
3	Old County Road	West of Bayshore	9905	83	17	3	2	25	75	
4	Bayshore	South of Old County Rd	24325	83	17	1	1	35	75	
5	San Bruno Ave	West of Bayshore	1100	83	17	1	1	25	75	
6	Harney Way	East of Thomas mellon	2980	83	17	1	1	25	75	
7	Tunnel Avenue	South of Blanken	7060	83	17	1	1	30	75	
8	Blanken Avenue	East of Bayshore	3725	83	17	1	1	25	75	
9	Sunnydale Ave	West of Bayshore	4500	83	17	1	1	25	75	
10	Geneva Ave	East of Carter	21565	83	17	3	2	35	75	
11	Geneva Avenue	East of Tunnel	0	83		1	1	25	75	

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Predicted Levels

				Medium	Heavy	
Segment	Roadway Name	Segment Description	Autos	Trucks	Trucks	Total
1	Geneva	West of Bayshore	65.6	60.3	63.7	68
2	Guaplupe Cyn	West of Bayshore	62.4	52.2	57.4	64
3	Old County Road	West of Bayshore	58.3	54.9	60.8	63
4	Bayshore	South of Old County Rd	66.5	56.3	61.5	68
5	San Bruno Ave	West of Bayshore	48.9	40.6	48.2	52
6	Harney Way	East of Thomas mellon	53.2	44.9	52.5	56
7	Tunnel Avenue	South of Blanken	59.2	49.9	57.0	62
8	Blanken Avenue	East of Bayshore	54.2	45.9	53.5	57
9	Sunnydale Ave	West of Bayshore	55.0	46.7	54.3	58
10	Geneva Ave	East of Carter	65.9	60.6	64.0	69

# FHWA-RD-77-108 Highway Traffic Noise Prediction Model Noise Contour Output

			· Dist	ances to	Traffic No	oise Cont	ours
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Geneva	West of Bayshore	17	53	167	529	1674
2	Guaplupe Cyn	West of Bayshore	6	18	58	183	578
3	Old County Road	West of Bayshore	5	16	52	163	516
4	Bayshore	South of Old County Rd	15	48	150	476	1504
5	San Bruno Ave	West of Bayshore	0	1	4	12	37
6	Harney Way	East of Thomas mellon	1	3	10	31	100
7	Tunnel Avenue	South of Blanken	3	11	34	108	341
8	Blanken Avenue	East of Bayshore	1	4	12	39	124
9	Sunnydale Ave	West of Bayshore	2	5	15	48	150
10	Geneva Ave	East of Carter	18	56	178	563	1782

Hourly to Daily Multipli		5	T	DM		<b>D</b>	ADT
Intersection (N-S/E-W)	#	Approach:	Turning Movement	PM Inputs		Peak Hour	ADT
Geneva & Bayshore	1	Westbound	Right Turn		North of intersection:	0	0
		Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	4052	20260
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound Eastbound	Through Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				
Guadalupe Cyn & batshore	2	Westbound	Right Turn		North of intersection:	0	0
Guadalupe Cyll & baishore	2	Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	1870	9350
		Northbound	Through			1070	9330
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				
Old County & Bayshore	3	Westbound	Right Turn		North of intersection:	0	0
	U	Westbound	Through		South of intersection:	4865	24325
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	1981	9905
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				
San Bruno & Bayshore	4	Westbound	Right Turn		North of intersection:	0	0
,		Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	220	1100
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				
harney & Thomas Mellon	5	Westbound	Right Turn		North of intersection:	0	0
		Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	596	2980
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				

Hourly to Daily Multiplie		5		DIA			
Intersection (N-S/E-W)	#	Approach:	Turning Movement	PM Inputs	Traffic Volumes	Peak Hour	ADT
Blanken & Tunnel	6	Westbound	Right Turn		North of intersection:	0	0
		Westbound	Through		South of intersection:	1412	7060
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				
Blanken & Bayshore	7	Westbound	Right Turn		North of intersection:	0	0
		Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	745	3725
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				
Sunnydale & Bayshore	8	Westbound	Right Turn		North of intersection:	0	0
- · · · · · · · · · · · · · · ·	-	Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	900	4500
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				
Geneva & Carter	9	Westbound	Right Turn		North of intersection:	0	0
Coneva a Ganer	0	Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	4313	21565
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Through			Ū	0
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				
Geneva & Tunnel	10	Westbound	Right Turn		North of intersection:	0	0
	10	Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Through			U	U
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				

Hourly to Daily Multiplie		5						
Intersection (N-S/E-W)	#	Approach:	Turning Movement	AM Inputs	PM Inputs		Peak Hour	ADT
	11	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
	10	Southbound	Left Turn					-
	12	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
	40	Southbound	Left Turn			North of interropotions	0	0
	13	Westbound Westbound	Right Turn			North of intersection: South of intersection:	0	0
		Westbound	Through Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0 0
		Northbound				west of intersection.	0	0
		Northbound	Through Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	14	Westbound	Right Turn			North of intersection:	0	0
	1-1	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				Ŭ	-
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	15	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					

Hourly to Daily Multipli		5						
Intersection (N-S/E-W)	#	Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
	16	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	-				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	17	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	18	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				-	
		Northbound	Left Turn	I				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	19	Westbound	Right Turn			North of intersection:	0	0
	-	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				•	
		Northbound	Left Turn	I				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	20	Westbound	Right Turn			North of intersection:	0	0
	-	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0 0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					-
		Northbound	Left Turn	1				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
		2000.000010	Long Full	l	1	1		

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Output Summary Sheet

		Distances to Traffic Noise Contours								
Segment	Roadway Name	Segment Description	Ldn	75	70	65	60	55		
1	Geneva	West of Bayshore	68.7	17	55	174	550	1739		
2	Guaplupe Cyn	West of Bayshore	64.0	6	19	60	191	603		
3	Old County Road	West of Bayshore	63.6	5	17	55	173	547		
4	Bayshore	South of Old County Rd	68.0	15	47	149	471	1491		
5	San Bruno Ave	West of Bayshore	51.9	0	1	4	12	37		
6	Harney Way	East of Thomas mellon	56.4	1	3	10	32	103		
7	Tunnel Avenue	South of Blanken	62.1	4	12	39	122	386		
8	Blanken Avenue	East of Bayshore	57.5	1	4	13	42	132		
9	Sunnydale Ave	West of Bayshore	58.2	2	5	16	49	156		
10	Geneva Ave	East of Carter	68.9	18	58	185	584	1846		
11	Geneva Avenue	East of Tunnel								

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Data Input Sheet

							% Med.	% Hvy.			Offset
Segment	Roadway Name	Segment Description	ADT	Day %	Eve %	Night %	Trucks	Trucks	Speed	Distance	(dB)
1	Geneva	West of Bayshore	21055	83		17	3	2	35	75	
2	Guaplupe Cyn	West of Bayshore	9745	83		17	1	1	35	75	
3	Old County Road	West of Bayshore	10490	83		17	3	2	25	75	
4	Bayshore	South of Old County Rd	24110	83		17	1	1	35	75	
5	San Bruno Ave	West of Bayshore	1100	83		17	1	1	25	75	
6	Harney Way	East of Thomas mellon	3070	83		17	1	1	25	75	
7	Tunnel Avenue	South of Blanken	7990	83		17	1	1	30	75	
8	Blanken Avenue	East of Bayshore	3950	83		17	1	1	25	75	
9	Sunnydale Ave	West of Bayshore	4660	83		17	1	1	25	75	
10	Geneva Ave	East of Carter	22345	83		17	3	2	35	75	
11	Geneva Avenue	East of Tunnel	0	83			1	1	25	75	

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Predicted Levels

				Medium	Heavy	
Segment	Roadway Name	Segment Description	Autos	Trucks	Trucks	Total
1	Geneva	West of Bayshore	65.8	60.5	63.9	69
2	Guaplupe Cyn	West of Bayshore	62.6	52.3	57.5	64
3	Old County Road	West of Bayshore	58.5	55.1	61.0	64
4	Bayshore	South of Old County Rd	66.5	56.3	61.5	68
5	San Bruno Ave	West of Bayshore	48.9	40.6	48.2	52
6	Harney Way	East of Thomas mellon	53.3	45.0	52.7	56
7	Tunnel Avenue	South of Blanken	59.8	50.4	57.6	62
8	Blanken Avenue	East of Bayshore	54.4	46.1	53.8	57
9	Sunnydale Ave	West of Bayshore	55.1	46.9	54.5	58
10	Geneva Ave	East of Carter	66.0	60.7	64.1	69

# FHWA-RD-77-108 Highway Traffic Noise Prediction Model Noise Contour Output

			· Dista	ances to	Traffic No	oise Cont	ours
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Geneva	West of Bayshore	17	55	174	550	1739
2	Guaplupe Cyn	West of Bayshore	6	19	60	191	603
3	Old County Road	West of Bayshore	5	17	55	173	547
4	Bayshore	South of Old County Rd	15	47	149	471	1491
5	San Bruno Ave	West of Bayshore	0	1	4	12	37
6	Harney Way	East of Thomas mellon	1	3	10	32	103
7	Tunnel Avenue	South of Blanken	4	12	39	122	386
8	Blanken Avenue	East of Bayshore	1	4	13	42	132
9	Sunnydale Ave	West of Bayshore	2	5	16	49	156
10	Geneva Ave	East of Carter	18	58	185	584	1846

Hourly to Daily Multiplie Intersection (N-S/E-W)	#	Approach:	<b>Turning Movement</b>	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
Geneva & Bayshore	1	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	4211	21055
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Guadalupe Cyn & batshore	2	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	1949	9745
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Old County & Bayshore	3	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	4822	24110
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	2098	10490
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
San Bruno & Bayshore	4	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	220	1100
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
harney & Thomas Mellon	5	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	614	3070
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					

Hourly to Daily Multiplie Intersection (N-S/E-W)	#	5 Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
Blanken & Tunnel	6	Westbound	Right Turn			North of intersection:	0	0
	0	Westbound	Through			South of intersection:	1598	7990
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through			west of milefsection.	U	0
			0					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Blanken & Bayshore	7	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	790	3950
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				Ŭ	Ŭ
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
			Left Turn					
		Eastbound						
		Southbound	Right Turn					
		Southbound	Through					
_		Southbound	Left Turn					
Sunnydale & Bayshore	8	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	932	4660
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Geneva & Carter	9	Westbound	Right Turn			North of intersection:	0	0
Geneva & Carter	9	Westbound	Through				0	0
		Westbound				South of intersection:	-	
			Left Turn			East of intersection:	4469	22345
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Geneva & Tunnel	10	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	Ö	0 0
		Northbound	Through				0	Ŭ
		Northbound	Left Turn	1				
		Eastbound		l				
			Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn			1		
		Southbound	Through Left Turn					

Intersection (N-S/E-W)	#	Approach:	<b>Turning Movement</b>	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
	11	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				-	
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	12	Westbound	Right Turn			North of intersection:	0	0
	12	Westbound	Through					
						South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	13	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	14	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				5	0
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound						
		Eastbound	Left Turn					
			Right Turn					
		Southbound	Through					
	4 5	Southbound	Left Turn			North of intervention		0
	15	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					

Intersection (N-S/E-W)	#	5 Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
	16	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	17	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				Ũ	•
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	18	Westbound	Right Turn			North of intersection:	0	0
	10	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through			West of Intersection.	0	0
		Northbound	Left Turn					
		Eastbound	Right Turn	1				
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	19	Westbound	Right Turn			North of intersection:	0	0
	19					South of intersection:	0	0
		Westbound	Through			East of intersection:	0	0
		Westbound	Left Turn				0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	1				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn				6	
	20	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	These sector		1	1		
		Southbound	Through Left Turn					

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Output Summary Sheet

				Dist	ances to	Traffic No	oise Con	ours
Segment	Roadway Name	Segment Description	Ldn	75	70	65	60	55
1	Geneva	West of Bayshore	68.5	17	53	168	532	1682
2	Guaplupe Cyn	West of Bayshore	64.0	6	19	59	186	589
3	Old County Road	West of Bayshore	63.4	5	16	52	164	520
4	Bayshore	South of Old County Rd	67.7	14	44	139	440	1391
5	San Bruno Ave	West of Bayshore	51.9	0	1	4	12	37
6	Harney Way	East of Thomas mellon	56.4	1	3	10	33	103
7	Tunnel Avenue	South of Blanken	62.3	4	13	40	127	401
8	Blanken Avenue	East of Bayshore	57.6	1	4	14	43	135
9	Sunnydale Ave	West of Bayshore	58.1	2	5	15	48	153
10	Geneva Ave	East of Carter	68.8	18	57	181	573	1811
11	Geneva Avenue	East of Tunnel						

# FHWA-RD-77-108 Highway Traffic Noise Prediction Model Data Input Sheet

						% Med.	% Hvy.			Offset
Segment	Roadway Name	Segment Description	ADT	Day %	Eve % Night %	Trucks	Trucks	Speed	Distance	(dB)
1	Geneva	West of Bayshore	20365	83	17	3	2	35	75	
2	Guaplupe Cyn	West of Bayshore	9530	83	17	1	1	35	75	
3	Old County Road	West of Bayshore	9970	83	17	3	2	25	75	
4	Bayshore	South of Old County Rd	22500	83	17	1	1	35	75	
5	San Bruno Ave	West of Bayshore	1100	83	17	1	1	25	75	
6	Harney Way	East of Thomas mellon	3090	83	17	1	1	25	75	
7	Tunnel Avenue	South of Blanken	8295	83	17	1	1	30	75	
8	Blanken Avenue	East of Bayshore	4045	83	17	1	1	25	75	
9	Sunnydale Ave	West of Bayshore	4570	83	17	1	1	25	75	
10	Geneva Ave	East of Carter	21915	83	17	3	2	35	75	
11	Geneva Avenue	East of Tunnel	0	83		1	1	25	75	

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Predicted Levels

				Medium	Heavy	
Segment	Roadway Name	Segment Description	Autos	Trucks	Trucks	Total
1	Geneva	West of Bayshore	65.6	60.3	63.7	69
2	Guaplupe Cyn	West of Bayshore	62.5	52.2	57.4	64
3	Old County Road	West of Bayshore	58.3	54.9	60.8	63
4	Bayshore	South of Old County Rd	66.2	56.0	61.2	68
5	San Bruno Ave	West of Bayshore	48.9	40.6	48.2	52
6	Harney Way	East of Thomas mellon	53.4	45.1	52.7	56
7	Tunnel Avenue	South of Blanken	59.9	50.6	57.7	62
8	Blanken Avenue	East of Bayshore	54.5	46.2	53.9	58
9	Sunnydale Ave	West of Bayshore	55.1	46.8	54.4	58
10	Geneva Ave	East of Carter	65.9	60.6	64.1	69

# FHWA-RD-77-108 Highway Traffic Noise Prediction Model Noise Contour Output

			· Dista	ances to	Traffic No	oise Cont	ours
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Geneva	West of Bayshore	17	53	168	532	1682
2	Guaplupe Cyn	West of Bayshore	6	19	59	186	589
3	Old County Road	West of Bayshore	5	16	52	164	520
4	Bayshore	South of Old County Rd	14	44	139	440	1391
5	San Bruno Ave	West of Bayshore	0	1	4	12	37
6	Harney Way	East of Thomas mellon	1	3	10	33	103
7	Tunnel Avenue	South of Blanken	4	13	40	127	401
8	Blanken Avenue	East of Bayshore	1	4	14	43	135
9	Sunnydale Ave	West of Bayshore	2	5	15	48	153
10	Geneva Ave	East of Carter	18	57	181	573	1811

Hourly to Daily Multiplie		5		DM lanuta	Troffic \/slumess	Destation	ADT
Intersection (N-S/E-W)	#	Approach:	Turning Movement	PM Inputs		Peak Hour	ADT
Geneva & Bayshore	1	Westbound	Right Turn		North of intersection:	0	0
		Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	4073	20365
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
	0	Southbound	Left Turn		North of interrocations	0	0
Guadalupe Cyn & batshore	2	Westbound	Right Turn		North of intersection:	0	0
		Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	1906	9530
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound Southbound	Through Left Turn				
Old County & Doughara	2				North of interposition.	0	0
Old County & Bayshore	3	Westbound Westbound	Right Turn		North of intersection: South of intersection:	0	0 22500
			Through Left Turn			4500	
		Westbound			East of intersection:	0	0 9970
		Northbound Northbound	Right Turn		West of intersection:	1994	9970
			Through				
		Northbound	Left Turn				
		Eastbound Eastbound	Right Turn				
		Eastbound	Through Left Turn				
		Southbound Southbound	Right Turn				
		Southbound	Through Left Turn				
San Bruno & Bayshore	4	Westbound	Right Turn		North of intersection:	0	0
Sali Diulio & Daysliole	4	Westbound	-		South of intersection:	0	0 0
		Westbound	Through Left Turn		East of intersection:	0 0	0
		Northbound	Right Turn		West of intersection:	220	1100
		Northbound				220	1100
		Northbound	Through Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				
harney & Thomas Mellon	5	Westbound	Right Turn		North of intersection:	0	0
namey a momas weilon	5	Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	618	3090
		Northbound	Right Turn		West of intersection:	010	0
		Northbound	Through			0	U
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound					
		Southbound	Right Turn				
		Southbound	Through Left Turn				
		Southboulld			I		

Hourly to Daily Multipli		5		 			
Intersection (N-S/E-W)	#	Approach:	Turning Movement	PM Inputs	Traffic Volumes	Peak Hour	ADT
Blanken & Tunnel	6	Westbound	Right Turn		North of intersection:	0	0
		Westbound	Through		South of intersection:	1659	8295
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn			_	
Blanken & Bayshore	7	Westbound	Right Turn		North of intersection:	0	0
		Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	809	4045
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
Oursealais & Daughana	0	Southbound	Left Turn		North of Internet of the	0	0
Sunnydale & Bayshore	8	Westbound	Right Turn		North of intersection:	0	0
		Westbound	Through		South of intersection:	0	0
		Westbound Northbound	Left Turn		East of intersection:	0	0 4570
		Northbound	Right Turn		West of intersection:	914	4570
		Northbound	Through Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				
Geneva & Carter	9	Westbound	Right Turn		North of intersection:	0	0
	0	Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	4383	21915
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Through			Ū	°,
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn				
Geneva & Tunnel	10	Westbound	Right Turn		North of intersection:	0	0
		Westbound	Through		South of intersection:	0	0
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Through				
		Southbound	Left Turn	1			

Intersection (N-S/E-W)         # Approach: 11         Turning Movement Right Turn         North of intersection: South of intersection: 0         0           11         Westbound Westbound Northbound Northbound East of intersection: East of intersection: 0         0         South of intersection: 0         0           Northbound Eastbound Southbound Eastbound Southbound Eastbound Southbound Eastbound Southbound Eastbound Eastbound Southbound Eastbound Eas	Hourly to Daily Multiplie		5	_	 			
Westbound         Through Westbound         South of intersection::         0           Northbound         Right Turn Northbound         West of intersection::         0           Northbound         Through Eastbound         West of intersection::         0           Eastbound         Right Turn Eastbound         West of intersection::         0           Southbound         Right Turn Southbound         North of intersection::         0           12         Westbound         Left Turn Westbound         South of intersection::         0           Westbound         Left Turn Westbound         South of intersection::         0           Westbound         Left Turn Westbound         East of intersection::         0           Northbound         Right Turn Northbound         South of intersection::         0           Northbound         Right Turn Eastbound         West of intersection::         0           Southbound         Left Turn Eastbound         South of intersection::         0           Southbound         Through Eastbound         South of intersection::         0           Southbound         Through Eastbound         South of intersection::         0           Southbound         Through Eastbound         South of intersection::         0 <td< th=""><th>Intersection (N-S/E-W)</th><th></th><th></th><th>-</th><th>PM Inputs</th><th></th><th></th><th>ADT</th></td<>	Intersection (N-S/E-W)			-	PM Inputs			ADT
Westbound         Left Turn Northbound         East of intersection:         0           Northbound         Right Turn Eastbound         West of intersection:         0           Eastbound         Left Turn Eastbound         West of intersection:         0           Eastbound         Through Eastbound         Northbound         Intersection:         0           Southbound         Right Turn Southbound         North of intersection:         0           12         Westbound         Right Turn Northbound         North of intersection:         0           Westbound         Left Turn Northbound         South of intersection:         0           Northbound         Left Turn Northbound         East of intersection:         0           Northbound         Left Turn Northbound         Eastbound         Left Turn Northbound         Eastbound           Eastbound         Left Turn Southbound         North Turough Southbound         North of intersection:         0           13         Westbound         Through Northbound         South Curt         North of intersection:         0           Northbound         Left Turn Southbound         Right Turn Northbound         North of intersection:         0           Northbound         Left Turn Southbound         South furt         East of interse		11						0
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Eastbound       Right Tum         Eastbound       Left Tum         Southbound       Right Tum         Southbound       Through         Southbound       Left Tum         Southbound       Left Tum         Westbound       Left Tum         Westbound       South of intersection:       0         Westbound       Left Tum       East of intersection:       0         Northbound       Right Tum       West of intersection:       0         Northbound       Left Tum       East of intersection:       0         Northbound       Left Tum       Eastbound       North of intersection:       0         Northbound       Left Tum       Eastbound       North of intersection:       0         Southbound       Left Tum       Eastbound       Intrough       Intrough         Southbound       Left Tum       East of intersection:       0         Northbound       Left Tum       East of intersection:       0         Northbound<								
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WestboundLeft TurnEast of intersection:0NorthboundRight TurnWest of intersection:0NorthboundThroughNorthboundLeft TurnEastboundRight TurnEastboundThroughEastboundLeft Turn		14						0
NorthboundRight TurnWest of intersection:0NorthboundThroughNorthboundLeft TurnEastboundRight TurnEastboundThroughEastboundLeft Turn								0
NorthboundThroughNorthboundLeft TurnEastboundRight TurnEastboundThroughEastboundLeft Turn								0
Northbound     Left Turn       Eastbound     Right Turn       Eastbound     Through       Eastbound     Left Turn							Ū	Ū
Eastbound Right Turn Eastbound Through Eastbound Left Turn								
Eastbound Through Eastbound Left Turn								
Eastbound Left Turn								
				0				
			Southbound	Right Turn				
Southbound Through								
Southbound Left Turn				0				
15 Westbound Right Turn North of intersection: 0		15				North of intersection:	0	0
Westbound Through South of intersection: 0								0
Westbound Left Turn East of intersection: 0			Westbound			East of intersection:		0
Northbound Right Turn West of intersection: 0			Northbound			West of intersection:		0
Northbound Through			Northbound					
Northbound Left Turn			Northbound					
Eastbound Right Turn			Eastbound					
Eastbound Through			Eastbound					
Eastbound Left Turn			Eastbound	Left Turn				
Southbound Right Turn			Southbound					
Southbound Through			Southbound					
Southbound Left Turn			Southbound					

Hourly to Daily Multipli		5	_				_	
Intersection (N-S/E-W)	#	Approach:	Turning Movement		PM Inputs	Traffic Volumes	Peak Hour	ADT
	16	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	17	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	18	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	19	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	20	Westbound	Right Turn			North of intersection:	0	0
	-	Westbound	Through			South of intersection:	0 0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				-	-
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
			20	l	1	I		

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Output Summary Sheet

				Dist	ances to	Traffic No	oise Con	tours
Segment	Roadway Name	Segment Description	Ldn	75	70	65	60	55
1	Geneva	West of Bayshore	68.4	17	52	165	522	1651
2	Guaplupe Cyn	West of Bayshore	63.9	6	18	58	183	577
3	Old County Road	West of Bayshore	63.4	5	16	51	163	515
4	Bayshore	South of Old County Rd	67.7	14	44	139	439	1387
5	San Bruno Ave	West of Bayshore	51.9	0	1	4	12	37
6	Harney Way	East of Thomas mellon	56.3	1	3	10	32	102
7	Tunnel Avenue	South of Blanken	62.1	4	12	38	122	385
8	Blanken Avenue	East of Bayshore	57.5	1	4	13	42	133
9	Sunnydale Ave	West of Bayshore	58.0	2	5	15	48	150
10	Geneva Ave	East of Carter	68.8	18	56	178	563	1779
11	Geneva Avenue	East of Tunnel						

# FHWA-RD-77-108 Highway Traffic Noise Prediction Model Data Input Sheet

						% Med.	% Hvy.			Offset
Segment	Roadway Name	Segment Description	ADT	Day %	Eve % Night %	Trucks	Trucks	Speed	Distance	(dB)
1	Geneva	West of Bayshore	19980	83	17	3	2	35	75	
2	Guaplupe Cyn	West of Bayshore	9335	83	17	1	1	35	75	
3	Old County Road	West of Bayshore	9880	83	17	3	2	25	75	
4	Bayshore	South of Old County Rd	22440	83	17	1	1	35	75	
5	San Bruno Ave	West of Bayshore	1100	83	17	1	1	25	75	
6	Harney Way	East of Thomas mellon	3060	83	17	1	1	25	75	
7	Tunnel Avenue	South of Blanken	7960	83	17	1	1	30	75	
8	Blanken Avenue	East of Bayshore	3990	83	17	1	1	25	75	
9	Sunnydale Ave	West of Bayshore	4500	83	17	1	1	25	75	
10	Geneva Ave	East of Carter	21535	83	17	3	2	35	75	
11	Geneva Avenue	East of Tunnel	0	83		1	1	25	75	

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Predicted Levels

				Medium	Heavy	
Segment	Roadway Name	Segment Description	Autos	Trucks	Trucks	Total
1	Geneva	West of Bayshore	65.5	60.2	63.7	68
2	Guaplupe Cyn	West of Bayshore	62.4	52.2	57.3	64
3	Old County Road	West of Bayshore	58.3	54.9	60.8	63
4	Bayshore	South of Old County Rd	66.2	56.0	61.2	68
5	San Bruno Ave	West of Bayshore	48.9	40.6	48.2	52
6	Harney Way	East of Thomas mellon	53.3	45.0	52.7	56
7	Tunnel Avenue	South of Blanken	59.8	50.4	57.5	62
8	Blanken Avenue	East of Bayshore	54.5	46.2	53.8	57
9	Sunnydale Ave	West of Bayshore	55.0	46.7	54.3	58
10	Geneva Ave	East of Carter	65.9	60.6	64.0	69

# FHWA-RD-77-108 Highway Traffic Noise Prediction Model Noise Contour Output

			· Dist	ances to	Traffic No	oise Cont	ours
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Geneva	West of Bayshore	17	52	165	522	1651
2	Guaplupe Cyn	West of Bayshore	6	18	58	183	577
3	Old County Road	West of Bayshore	5	16	51	163	515
4	Bayshore	South of Old County Rd	14	44	139	439	1387
5	San Bruno Ave	West of Bayshore	0	1	4	12	37
6	Harney Way	East of Thomas mellon	1	3	10	32	102
7	Tunnel Avenue	South of Blanken	4	12	38	122	385
8	Blanken Avenue	East of Bayshore	1	4	13	42	133
9	Sunnydale Ave	West of Bayshore	2	5	15	48	150
10	Geneva Ave	East of Carter	18	56	178	563	1779

ADT Volumes								
	206069							
Hourly to Daily Multiplier:	existing +	EXISTING + CPP Recology	gy					
Intersection (N-S/E-W)	#	-	urning Movement	AM Inputs PM I	Inputs T	Fraffic Volumes	<sup>D</sup> eak Hour	ADT
Geneva & Bayshore	1	Westbound Westbound	Right Turn Through		So	North of intersection: South of intersection:	0 0	0 0
		Westbound	Left Turn Riaht Turn		≤ m̃	East of intersection: West of intersection:	0 3996	0 19980
		Northbound	Through		;			
		Eastbound	Right Turn					
		Eastbound	I hrough Left Turn					
		Southbound	Right Turn					
		Southbound	I nrougn Left Turn					
Guadalupe Cyn & batshore	2	Westbound	Right Turn		2 Z	North of intersection:	0 0	0 0
		Westbound	Left Turn		m v	East of intersection:	00	00
		Northbound	Right Turn		×	West of intersection:	1867	9335
		Northbound	I nrougn Left Turn					
		Eastbound	Right Turn					
		Eastbound	Left Turn					
		Southbound	Right Turn Through					
		Southbound	Left Turn					
Uld County & Bayshore	C	Westbound	Right Lurn Through		S	North of intersection: South of intersection:	0 4488	0 22440
		Westbound	Left Turn		ξ m	East of intersection:	1076	0000
		Northbound	Through		~		1970	2000
		Northbound Eastbound	Lett Turn Right Turn					
		Eastbound	Through					
		Southbound	Right Turn					
		Southbound	I hrough Left Turn					
San Bruno & Bayshore	4	Westbound	Right Turn Through		SN	North of intersection: South of intersection:	0 0	00
		Westbound	Left Turn		<u> </u>	East of intersection:	0 0	0
		Northbound	Right Turn Through		×	West of intersection:	220	1100
		Northbound	Left Turn					
		Eastbound	Right Lum Through					
		Eastbound	Left Turn					
		Southbound	Through					
Lower O Thomas Mallas	η	Southbound	Left Turn		2	the of internetion.	þ	þ
harney & Thomas Mellon	Մ	Westbound	Right Lurn Through		S Z	North of intersection: South of intersection:	0 0	0 0
		Westbound	Left Turn		<u>ξ Π</u>	East of intersection:	612	3060
		Northbound	Through		~~~	West of Intersection.	c	C
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Left Turn					
		Southbound	Right Lurn Through					
		Southbound	Left Turn					

AD1 Volumes Project # :	206069						
Description: E	Existing -	Existing + CPP Recology	gу				
Intersection (N-S/E-W)	#		Irning Movement	AM Inputs PM Inp	uts Traffic Volumes	Peak Hour	ADT
Blanken & Tunnel	6	Westbound Westbound	Right Turn Through		North of intersection: South of intersection:	0 1592	0 7960
		Westbound	Left Turn		East of intersection:	00	00
		Northbound	Right Turn Through		West of intersection:	0	0
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Left Turn			<b></b>	
Blanken & Bayshore	7	Westbound	Right Turn		North of intersection:	0	0
		Westbound	Through		South of intersection:	100	0
		Northbound	Right Turn		West of intersection:	0 86/	0 0
		Northbound	Through				
		Northbound	Left Turn				
		Eastbound	Through				
		Eastbound	Left Turn				
		Southbound	Through				
Sunnydale & Bayshore	8	Westbound	Right Turn		North of intersection:	0	0
		Westbound			South of intersection:	00	00
		Northbound	Right Turn		West of intersection:	000	4500
		Northbound					
		Eastbound	Right Turn				
		Eastbound	Through				
		Southbound	Right Turn				
		Southbound	I hrough Left Turn				
Geneva & Carter	6	Westbound	Right Turn		North of intersection:	0 0	0 0
		Westbound	Left Turn		East of intersection:	4307	21535
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Left Turn				
		Southbound	Right Turn Through				
		Southbound	Left Turn				
Geneva & Tunnel	10	Westbound	Right Turn Throuah		North of intersection: South of intersection:	00	00
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	I hrough Left Turn				
		Southbound	Right Turn				
		Southbound	I hrough Left Turn				

ADT Volumes							
	206069						
lie	usung -	r: 5	y				
Intersection (N-S/E-W)	#		urning Movement	AM Inputs PM Inpu	ts Traffic Volumes F	Peak Hour	ADT
	1	Westbound Westbound	Right Turn Through		North of intersection: South of intersection:	00	0 0
		Westbound	Left Turn		East of intersection:	0	0
		Northbound	Right Turn Throuah		West of intersection:	0	0
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Left Turn				
	12	Westbound	Right Turn		North of intersection:	0 0	00
		Westbound	Left Turn		East of intersection:	00	00
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	I nrougn Left Turn				
		Eastbound	<b>Right Turn</b>				
		Eastbound	I hrough Left Turn				
		Southbound	Right Turn				
		Southbound	Through Left Turn				
	13	Westbound	Right Turn		North of intersection:	0 0	0 0
		Westbound	Left Turn		East of intersection:	э с	0 0
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	I nrougn Left Turn				
		Southbound	Right Turn				
		Southbound	Left Turn				
	14	Westbound	Right Turn		North of intersection:	00	00
		Westbound	Left Turn		East of intersection:	00	00
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Left Turn				
		Eastbound	Through				
		Eastbound	Left Turn Right Turn				
		Southbound	Through				
	15	Westbound	Right Turn		North of intersection:	0	0 0
		Westbound	Left Turn		East of intersection:	00	00
		Northbound	Right Turn		West of intersection:	0	0
		Northbound	Left Turn				
		Eastbound	Right Turn				
		Eastbound	Left Turn				
		Southbound	Right Turn				
		Southbound	Left Turn				

ADT Volumes						
Project # : 206069	206069 Existing + CPP Recology	2				
Multiplie	5 Approach: Tur	urning Movement AN	/ Inputs PM Inputs	s Traffic Volumes	Peak Hour	ADT
16	Westbound	Right Turn		North of intersection:	0	0
	Westbound	Left Turn		East of intersection:	0 0	0 0
	Northbound	Right Turn Through		West of intersection:	c	C
	Northbound	Left Turn Riaht Turn				
	Eastbound	Through				
	Southbound	Lett Lurn Right Turn				
	Southbound	Through Left Turn				
17	Westbound	Right Turn		North of intersection:	0	0
	Westbound	Left Turn		East of intersection:		00
	Northbound	Right Turn		West of intersection:	0	0
	Northbound	Left Turn				
	Eastbound	Right Turn				
	Eastbound	Left Turn				
	Southbound	Through				
18	Westbound	Right Turn		North of intersection:	0	0
	Westbound	Through		South of intersection:	00	00
	Northbound	Right Turn		West of intersection:	00	00
	Northbound	I hrough				
	Eastbound	Right Turn				
	Eastbound	Left Turn				
	Southbound Southbound	Right Turn Through				
	Southbound	Left Turn			,	þ
	Westbound	Right Lurn Through		South of intersection:	00	00
	Westbound	Left Turn Bight Turn		East of intersection:	00	00
	Northbound	Through			c	¢
	Northbound Eastbound	Left Turn Right Turn				
	Eastbound	Through				
	Southbound	Right Turn				
	Southbound	I nrougn Left Turn				
20	Westbound	Right Turn Through		North of intersection: South of intersection:	0 0	0 0
	Westbound	Left Turn Right Turn		East of intersection:	00	00
	Northbound	Through				
	Eastbound	Right Turn				
	Eastbound	Through				
	Southbound	Right Turn				
	Southbound	I nrougn Left Turn				
-		-	-	-	-	

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Output Summary Sheet

				Dist	ances to	Traffic N	oise Cont	ours
Segment	Roadway Name	Segment Description	Ldn	75	70	65	60	55
1	Geneva	West of Bayshore	71.9	37	116	368	1164	3680
2	Guaplupe Cyn	West of Bayshore	67.3	13	40	126	399	1263
3	Old County Road	West of Bayshore	65.3	8	25	80	253	801
4	Bayshore	South of Old County Rd	68.9	18	58	182	576	1820
5	San Bruno Ave	West of Bayshore	54.0	1	2	6	19	60
6	Harney Way	East of Thomas mellon	66.2	10	31	99	312	988
7	Tunnel Avenue	South of Blanken	64.2	6	20	63	198	627
8	Blanken Avenue	East of Bayshore	61.9	4	12	37	117	369
9	Sunnydale Ave	West of Bayshore	60.9	3	9	29	93	293
10	Geneva Ave	East of Carter	73.1	49	154	486	1536	4858
11	Geneva Avenue	East of Tunnel						

# FHWA-RD-77-108 Highway Traffic Noise Prediction Model Data Input Sheet

						% Med.	% Hvy.			Offset
Segment	Roadway Name	Segment Description	ADT	Day %	Eve % Night %	Trucks	Trucks	Speed	Distance	(dB)
1	Geneva	West of Bayshore	44540	83	17	3	2	35	75	
2	Guaplupe Cyn	West of Bayshore	20425	83	17	1	1	35	75	
3	Old County Road	West of Bayshore	15360	83	17	3	2	25	75	
4	Bayshore	South of Old County Rd	29435	83	17	1	1	35	75	
5	San Bruno Ave	West of Bayshore	1800	83	17	1	1	25	75	
6	Harney Way	East of Thomas mellon	29580	83	17	1	1	25	75	
7	Tunnel Avenue	South of Blanken	12975	83	17	1	1	30	75	
8	Blanken Avenue	East of Bayshore	11060	83	17	1	1	25	75	
9	Sunnydale Ave	West of Bayshore	8780	83	17	1	1	25	75	
10	Geneva Ave	East of Carter	58800	83	17	3	2	35	75	
11	Geneva Avenue	East of Tunnel	0	83		1	1	25	75	

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Predicted Levels

				Medium	Heavy	
Segment	Roadway Name	Segment Description	Autos	Trucks	Trucks	Total
1	Geneva	West of Bayshore	69.0	63.7	67.1	72
2	Guaplupe Cyn	West of Bayshore	65.8	55.6	60.7	67
3	Old County Road	West of Bayshore	60.2	56.8	62.7	65
4	Bayshore	South of Old County Rd	67.4	57.1	62.3	69
5	San Bruno Ave	West of Bayshore	51.0	42.7	50.4	54
6	Harney Way	East of Thomas mellon	63.2	54.9	62.5	66
7	Tunnel Avenue	South of Blanken	61.9	52.5	59.7	64
8	Blanken Avenue	East of Bayshore	58.9	50.6	58.2	62
9	Sunnydale Ave	West of Bayshore	57.9	49.6	57.2	61
10	Geneva Ave	East of Carter	70.2	64.9	68.3	73

# FHWA-RD-77-108 Highway Traffic Noise Prediction Model Noise Contour Output

			· Dist	ances to	Traffic No	oise Cont	ours
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Geneva	West of Bayshore	37	116	368	1164	3680
2	Guaplupe Cyn	West of Bayshore	13	40	126	399	1263
3	Old County Road	West of Bayshore	8	25	80	253	801
4	Bayshore	South of Old County Rd	18	58	182	576	1820
5	San Bruno Ave	West of Bayshore	1	2	6	19	60
6	Harney Way	East of Thomas mellon	10	31	99	312	988
7	Tunnel Avenue	South of Blanken	6	20	63	198	627
8	Blanken Avenue	East of Bayshore	4	12	37	117	369
9	Sunnydale Ave	West of Bayshore	3	9	29	93	293
10	Geneva Ave	East of Carter	49	154	486	1536	4858

Hourly to Daily Multiplier Intersection (N-S/E-W)	#	5 Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
Geneva & Bayshore	1	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	8908	44540
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Guadalupe Cyn & bayshore	2	Westbound	Right Turn			North of intersection:	0	0
	-	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	4085	20425
		Northbound	Through				4000	20420
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Old County & Bayshore	3	Westbound	Right Turn			North of intersection:	0	0
Old County & Dayshole	5	Westbound	Through			South of intersection:	5887	29435
		Westbound	Left Turn			East of intersection:	0	23433
		Northbound	Right Turn			West of intersection:	3072	15360
		Northbound	Through				3072	15500
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
San Bruno & Bayshore	4	Westbound	Right Turn			North of intersection:	0	0
San Diulio & Dayshore	4	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	360	1800
		Northbound	Through			West of Intersection.	000	1000
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
harney & Thomas Mellon	5	Westbound	Right Turn			North of intersection:	0	0
namey a montas menor	5	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	5916	29580
		Northbound	Right Turn			West of intersection:	0	29380
		Northbound	Through				U	U
		Northbound	Left Turn					
		Eastbound	Right Turn	-				
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound						
			Right Turn					
		Southbound	Through					
		Southbound	Left Turn					

Hourly to Daily Multiplie		5 Approach:	Turning Marries (			Troffic Values	Deal	
Intersection (N-S/E-W)	#	Approach:	Turning Movement		PM Inputs	Traffic Volumes	Peak Hour	ADT
Blanken & Tunnel	6	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	2595	12975
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Blanken & Bayshore	7	Westbound	Right Turn			North of intersection:	0	0
Blainteri a Bayshore	,	Westbound	Through			South of intersection:	0	0
								-
		Westbound	Left Turn			East of intersection:	2212	11060
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Sunnydale & Bayshore	8	Westbound	Right Turn			North of intersection:	0	0
, <u>,</u>		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	1756	8780
		Northbound	Through				1700	0100
		Northbound	Left Turn					
		Eastbound						
		Eastbound	Right Turn Through					
			•					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Geneva & Carter	9	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	11760	58800
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Geneva & Tunnel	10	Westbound	Right Turn			North of intersection:	0	0
	10	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:		0
							0	
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	-				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					

Hourly to Daily Multiplie Intersection (N-S/E-W)	#	5	Turning Movement		PM Inputs	Traffic Volumes	Pook Hour	ADT
Intersection (IN-S/E-W)		Approach:	Turning Movement		Pivi inputs		Peak Hour	
	11	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound Southbound	Through					
	10		Left Turn			North of interpositions	0	0
	12	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound Southbound	Right Turn					
		Southbound	Through Left Turn					
	13					North of interposition:	0	0
	13	Westbound Westbound	Right Turn Through			North of intersection:	0	0
		Westbound	Left Turn			South of intersection: East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0 0
		Northbound				west of intersection.	0	0
		Northbound	Through Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	14	Westbound	Right Turn			North of intersection:	0	0
	14	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				Ũ	Ŭ
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	15	Westbound	Right Turn			North of intersection:	0	0
	-	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				-	-
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
		5544.000010	2011 1011	I		1		

Hourly to Daily Multiplie Intersection (N-S/E-W)	#	5 Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
		Approach:	-	Aivi inputs	Pivi inputs			
	16	Westbound Westbound	Right Turn			North of intersection: South of intersection:	0	0
			Through				0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through Left Turn					
				1				
		Eastbound	Right Turn					
		Eastbound	Through Left Turn					
		Eastbound Southbound						
			Right Turn					
		Southbound Southbound	Through Left Turn					
	17	Westbound				North of interposition:	0	0
	17	Westbound	Right Turn			North of intersection:	0	0
			Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	1				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn				-	
	18	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	1				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
	10	Southbound	Left Turn					<u>^</u>
	19	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	1				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
	00	Southbound	Left Turn			North of interaction	~	0
	20	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection: East of intersection:	0	0
		Westbound	Left Turn				0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	1				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Output Summary Sheet

				Dist	ances to	Traffic N	oise Cont	ours
Segment	Roadway Name	Segment Description	Ldn	75	70	65	60	55
1	Geneva	West of Bayshore	72.0	37	118	374	1184	3744
2	Guaplupe Cyn	West of Bayshore	68.7	17	55	175	553	1750
3	Old County Road	West of Bayshore	65.4	8	26	83	263	831
4	Bayshore	South of Old County Rd	68.8	18	57	181	573	1812
5	San Bruno Ave	West of Bayshore	54.0	1	2	6	19	60
6	Harney Way	East of Thomas mellon	66.2	10	32	100	315	997
7	Tunnel Avenue	South of Blanken	64.3	6	20	64	202	640
8	Blanken Avenue	East of Bayshore	61.9	4	12	37	117	369
9	Sunnydale Ave	West of Bayshore	61.0	3	9	30	94	299
10	Geneva Ave	East of Carter	73.2	49	156	492	1557	4922
11	Geneva Avenue	East of Tunnel						

# FHWA-RD-77-108 Highway Traffic Noise Prediction Model Data Input Sheet

Project #: 206069

Description: Cumulative + DSP Entertainment Ldn/CNEL: Ldn Hard/Soft: Hard

						% Med.	% Hvy.			Offset
Segment	Roadway Name	Segment Description	ADT	Day %	Eve % Night %	Trucks	Trucks	Speed	Distance	(dB)
1	Geneva	West of Bayshore	45320	83	17	3	2	35	75	
2	Guaplupe Cyn	West of Bayshore	28300	83	17	1	1	35	75	
3	Old County Road	West of Bayshore	15950	83	17	3	2	25	75	
4	Bayshore	South of Old County Rd	29305	83	17	1	1	35	75	
5	San Bruno Ave	West of Bayshore	1800	83	17	1	1	25	75	
6	Harney Way	East of Thomas mellon	29830	83	17	1	1	25	75	
7	Tunnel Avenue	South of Blanken	13235	83	17	1	1	30	75	
8	Blanken Avenue	East of Bayshore	11060	83	17	1	1	25	75	
9	Sunnydale Ave	West of Bayshore	8940	83	17	1	1	25	75	
10	Geneva Ave	East of Carter	59580	83	17	3	2	35	75	
11	Geneva Avenue	East of Tunnel	0	83		1	1	25	75	

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Predicted Levels

				Medium	Heavy	
Segment	Roadway Name	Segment Description	Autos	Trucks	Trucks	Total
1	Geneva	West of Bayshore	69.1	63.8	67.2	72
2	Guaplupe Cyn	West of Bayshore	67.2	57.0	62.2	69
3	Old County Road	West of Bayshore	60.4	57.0	62.8	65
4	Bayshore	South of Old County Rd	67.3	57.1	62.3	69
5	San Bruno Ave	West of Bayshore	51.0	42.7	50.4	54
6	Harney Way	East of Thomas mellon	63.2	54.9	62.5	66
7	Tunnel Avenue	South of Blanken	62.0	52.6	59.7	64
8	Blanken Avenue	East of Bayshore	58.9	50.6	58.2	62
9	Sunnydale Ave	West of Bayshore	58.0	49.7	57.3	61
10	Geneva Ave	East of Carter	70.3	65.0	68.4	73

# FHWA-RD-77-108 Highway Traffic Noise Prediction Model Noise Contour Output

			· Dist	ances to	Traffic No	oise Cont	ours
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Geneva	West of Bayshore	37	118	374	1184	3744
2	Guaplupe Cyn	West of Bayshore	17	55	175	553	1750
3	Old County Road	West of Bayshore	8	26	83	263	831
4	Bayshore	South of Old County Rd	18	57	181	573	1812
5	San Bruno Ave	West of Bayshore	1	2	6	19	60
6	Harney Way	East of Thomas mellon	10	32	100	315	997
7	Tunnel Avenue	South of Blanken	6	20	64	202	640
8	Blanken Avenue	East of Bayshore	4	12	37	117	369
9	Sunnydale Ave	West of Bayshore	3	9	30	94	299
10	Geneva Ave	East of Carter	49	156	492	1557	4922

Intersection (N-S/E-W)	#	5 Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
Geneva & Bayshore	1	Westbound	Right Turn			North of intersection:	0	0
	-	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	9064	45320
		Northbound	Through				0004	40020
		Northbound	Left Turn					
		Eastbound						
			Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Guadalupe Cyn & batshore	2	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	5660	28300
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Old County & Doughoro	3	Westbound				North of intersection:	0	0
Old County & Bayshore	3		Right Turn				0	0
		Westbound	Through			South of intersection:	5861	29305
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	3190	15950
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
San Bruno & Bayshore	4	Westbound	Right Turn			North of intersection:	0	0
-		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	360	1800
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound						
		Southbound	Through Left Turn					
								<u> </u>
harney & Thomas Mellon	5	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	5966	29830
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	_				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
		Courioouriu	Leit fulli					

Hourly to Daily Multiple Intersection (N-S/E-W)	#	5 Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
Blanken & Tunnel	6	Westbound	Right Turn		•	North of intersection:	0	0
		Westbound	Through			South of intersection:	2647	13235
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				°,	•
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Blanken & Bayshore	7	Westbound	Right Turn			North of intersection:	0	0
,		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	2212	11060
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				Ũ	•
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Sunnydale & Bayshore	8	Westbound	Right Turn			North of intersection:	0	0
ourinydaic & Dayshore	0	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	1788	8940
		Northbound	Through				1700	0040
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Geneva & Carter	9	Westbound	Right Turn			North of intersection:	0	0
Ocheva & Oaner	5	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	11916	59580
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				0	0
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Geneva & Tunnel	10	Westbound	Right Turn			North of intersection:	0	0
	10	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				U	U
		Northbound	Left Turn					
		Eastbound	Right Turn	1				
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound						
			Right Turn					
		Southbound Southbound	Through Left Turn					
		Soumbound	Leit Turn					

Hourly to Daily Multiplie Intersection (N-S/E-W)	#	5 Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
	11	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				-	
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	12	Westbound	Right Turn			North of intersection:	0	0
	12	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through			west of intersection.	0	0
		Northbound						
			Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	13	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	14	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	15	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				0	U
		Northbound	Left Turn					
		Eastbound		1				
			Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					

Hourly to Daily Multipli Intersection (N-S/E-W)	#	5 Approach:	Turning Movement	AM Inpute	PM Inputs	Traffic Volumes	Peak Hour	ADT
	# 16	Westbound	Right Turn		- Winputs	North of intersection:	0	0
	10	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				0	0
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	17	Westbound	Right Turn			North of intersection:	0	0
	17	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				0	0
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	18	Westbound	Right Turn			North of intersection:	0	0
	10	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				0	0
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	19	Westbound	Right Turn			North of intersection:	0	0
	10	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				v	0
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	20	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	ů 0	0 0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				-	-
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
			2311 1411			1		

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Output Summary Sheet

			Distances					
Segment	Roadway Name	Segment Description	Ldn	75	70	65	60	55
1	Geneva	West of Bayshore	72.0	38	120	379	1199	3791
2	Guaplupe Cyn	West of Bayshore	67.4	13	41	130	413	1305
3	Old County Road	West of Bayshore	65.6	9	27	85	270	854
4	Bayshore	South of Old County Rd	68.7	18	56	178	562	1778
5	San Bruno Ave	West of Bayshore	54.0	1	2	6	19	60
6	Harney Way	East of Thomas mellon	66.2	10	32	100	316	1000
7	Tunnel Avenue	South of Blanken	64.3	6	20	63	200	633
8	Blanken Avenue	East of Bayshore	61.9	4	12	37	117	369
9	Sunnydale Ave	West of Bayshore	61.1	3	10	30	96	302
10	Geneva Ave	East of Carter	73.2	50	157	497	1571	4969
11	Geneva Avenue	East of Tunnel						

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Data Input Sheet

						% Med.	% Hvy.			Offset
Segment	Roadway Name	Segment Description	ADT	Day %	Eve % Night %	Trucks	Trucks	Speed	Distance	(dB)
1	Geneva	West of Bayshore	45890	83	17	3	2	35	75	
2	Guaplupe Cyn	West of Bayshore	21100	83	17	1	1	35	75	
3	Old County Road	West of Bayshore	16375	83	17	3	2	25	75	
4	Bayshore	South of Old County Rd	28750	83	17	1	1	35	75	
5	San Bruno Ave	West of Bayshore	1800	83	17	1	1	25	75	
6	Harney Way	East of Thomas mellon	29930	83	17	1	1	25	75	
7	Tunnel Avenue	South of Blanken	13105	83	17	1	1	30	75	
8	Blanken Avenue	East of Bayshore	11060	83	17	1	1	25	75	
9	Sunnydale Ave	West of Bayshore	9050	83	17	1	1	25	75	
10	Geneva Ave	East of Carter	60150	83	17	3	2	35	75	
11	Geneva Avenue	East of Tunnel	0	83		1	1	25	75	

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Predicted Levels

				Medium	Heavy	
Segment	Roadway Name	Segment Description	Autos	Trucks	Trucks	Total
1	Geneva	West of Bayshore	69.2	63.8	67.3	72
2	Guaplupe Cyn	West of Bayshore	65.9	55.7	60.9	67
3	Old County Road	West of Bayshore	60.5	57.1	63.0	66
4	Bayshore	South of Old County Rd	67.3	57.0	62.2	69
5	San Bruno Ave	West of Bayshore	51.0	42.7	50.4	54
6	Harney Way	East of Thomas mellon	63.2	54.9	62.6	66
7	Tunnel Avenue	South of Blanken	61.9	52.6	59.7	64
8	Blanken Avenue	East of Bayshore	58.9	50.6	58.2	62
9	Sunnydale Ave	West of Bayshore	58.0	49.7	57.4	61
10	Geneva Ave	East of Carter	70.3	65.0	68.4	73

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Noise Contour Output

			· Dist	ances to	Traffic No	oise Cont	ours
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Geneva	West of Bayshore	38	120	379	1199	3791
2	Guaplupe Cyn	West of Bayshore	13	41	130	413	1305
3	Old County Road	West of Bayshore	9	27	85	270	854
4	Bayshore	South of Old County Rd	18	56	178	562	1778
5	San Bruno Ave	West of Bayshore	1	2	6	19	60
6	Harney Way	East of Thomas mellon	10	32	100	316	1000
7	Tunnel Avenue	South of Blanken	6	20	63	200	633
8	Blanken Avenue	East of Bayshore	4	12	37	117	369
9	Sunnydale Ave	West of Bayshore	3	10	30	96	302
10	Geneva Ave	East of Carter	50	157	497	1571	4969

Hourly to Daily Multiplie Intersection (N-S/E-W)	#	5 Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
Geneva & Bayshore	1	Westbound	Right Turn		•	North of intersection:	0	0
2		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	9178	45890
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Guadalupe Cyn & batshore	2	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0 0	0
		Northbound	Right Turn			West of intersection:	4220	21100
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Old County & Bayshore	3	Westbound	Right Turn			North of intersection:	0	0
	U	Westbound	Through			South of intersection:	5750	28750
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	3275	16375
		Northbound	Through				5215	10375
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
San Bruno & Bayshore	4	Westbound	Right Turn			North of intersection:	0	0
Sall Bluilo & Bayshole	4	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	360	1800
		Northbound	Through				500	1000
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	-					
		Southbound	Through Left Turn					
homes Adler	F	Westbound				North of interpositions	0	0
harney & Thomas Mellon	5		Right Turn			North of intersection: South of intersection:	0	0
		Westbound Westbound	Through			East of intersection:	0	0 29930
			Left Turn				5986	
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through	I				
		Northbound	Left Turn	I				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn	I				

Hourly to Daily Multipli		5	T				5	457
Intersection (N-S/E-W)	#	Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
Blanken & Tunnel	6	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	2621	13105
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					<u> </u>
Blanken & Bayshore	7	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	2212	11060
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Sunnydale & Bayshore	8	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	1810	9050
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Geneva & Carter	9	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	12030	60150
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
0 0 T ·	15	Southbound	Left Turn				6	
Geneva & Tunnel	10	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	1				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					

Hourly to Daily Multiplie Intersection (N-S/E-W)	#	5	Turning Movement		PM Inputs	Traffic Volumes	Dook Hour	ADT
intersection (IN-S/E-W)		Approach:	Turning Movement		Pivi inputs		Peak Hour	
	11	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
	10	Southbound	Left Turn			North of Statements of		0
	12	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	13	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	14	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	15	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn	I				

Hourly to Daily Multiplie Intersection (N-S/E-W)	#	Approach:	<b>Turning Movement</b>	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
	16	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	•				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	17	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				-	
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	18	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	ů 0	0
		Northbound	Through				U	Ū
		Northbound	Left Turn	1				
		Eastbound	Right Turn	1				
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	19	Westbound	Right Turn			North of intersection:	0	0
	15	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				0	0
		Northbound	Left Turn	1				
		Eastbound	Right Turn	I				
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	20	Westbound	Right Turn			North of intersection:	0	0
	20	Westbound				South of intersection:	0	0 0
		Westbound	Through Left Turn			East of intersection:	0	0
		Northbound					0 0	0
		Northbound	Right Turn			West of intersection:	U	U
		Northbound	Through	I				
			Left Turn	1				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn	<u> </u>				

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Output Summary Sheet

		Distances to Traffic Noise Contours								
Segment	Roadway Name	Segment Description	Ldn	75	70	65	60	55		
1	Geneva	West of Bayshore	72.1	39	122	386	1220	3859		
2	Guaplupe Cyn	West of Bayshore	67.5	13	42	133	421	1330		
3	Old County Road	West of Bayshore	65.7	9	28	89	280	886		
4	Bayshore	South of Old County Rd	68.7	18	56	178	561	1775		
5	San Bruno Ave	West of Bayshore	54.0	1	2	6	19	60		
6	Harney Way	East of Thomas mellon	66.3	10	32	101	319	1008		
7	Tunnel Avenue	South of Blanken	64.3	6	20	64	202	640		
8	Blanken Avenue	East of Bayshore	61.9	4	12	37	117	369		
9	Sunnydale Ave	West of Bayshore	61.1	3	10	31	97	308		
10	Geneva Ave	East of Carter	73.3	50	159	504	1593	5037		
11	Geneva Avenue	East of Tunnel	67.7	14	44	140	443	1400		

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Data Input Sheet

						% Med.	% Hvy.			Offset
Segment	Roadway Name	Segment Description	ADT	Day %	Eve % Night %	Trucks	Trucks	Speed	Distance	(dB)
1	Geneva	West of Bayshore	46710	83	17	3	2	35	75	
2	Guaplupe Cyn	West of Bayshore	21515	83	17	1	1	35	75	
3	Old County Road	West of Bayshore	16990	83	17	3	2	25	75	
4	Bayshore	South of Old County Rd	28710	83	17	1	1	35	75	
5	San Bruno Ave	West of Bayshore	1800	83	17	1	1	25	75	
6	Harney Way	East of Thomas mellon	30180	83	17	1	1	25	75	
7	Tunnel Avenue	South of Blanken	13240	83	17	1	1	30	75	
8	Blanken Avenue	East of Bayshore	11060	83	17	1	1	25	75	
9	Sunnydale Ave	West of Bayshore	9215	83	17	1	1	25	75	
10	Geneva Ave	East of Carter	60975	83	17	3	2	35	75	
11	Geneva Avenue	East of Tunnel	41920	83	17	1	1	25	75	

### FHWA-RD-77-108 Highway Traffic Noise Prediction Model Predicted Levels

				Medium	Heavy	
Segment	Roadway Name	Segment Description	Autos	Trucks	Trucks	Total
1	Geneva	West of Bayshore	69.2	63.9	67.3	72
2	Guaplupe Cyn	West of Bayshore	66.0	55.8	61.0	67
3	Old County Road	West of Bayshore	60.6	57.2	63.1	66
4	Bayshore	South of Old County Rd	67.3	57.0	62.2	69
5	San Bruno Ave	West of Bayshore	51.0	42.7	50.4	54
6	Harney Way	East of Thomas mellon	63.3	55.0	62.6	66
7	Tunnel Avenue	South of Blanken	62.0	52.6	59.7	64
8	Blanken Avenue	East of Bayshore	58.9	50.6	58.2	62
9	Sunnydale Ave	West of Bayshore	58.1	49.8	57.4	61
10	Geneva Ave	East of Carter	70.4	65.1	68.5	73
11	Geneva Ave	East of Tunnel	64.7	56.4	64.0	68

## FHWA-RD-77-108 Highway Traffic Noise Prediction Model Noise Contour Output

			· Dist	ances to	Traffic No	oise Cont	ours
Segment	Roadway Name	Segment Description	75	70	65	60	55
1	Geneva	West of Bayshore	39	122	386	1220	3859
2	Guaplupe Cyn	West of Bayshore	13	42	133	421	1330
3	Old County Road	West of Bayshore	9	28	89	280	886
4	Bayshore	South of Old County Rd	18	56	178	561	1775
5	San Bruno Ave	West of Bayshore	1	2	6	19	60
6	Harney Way	East of Thomas mellon	10	32	101	319	1008
7	Tunnel Avenue	South of Blanken	6	20	64	202	640
8	Blanken Avenue	East of Bayshore	4	12	37	117	369
9	Sunnydale Ave	West of Bayshore	3	10	31	97	308
10	Geneva Ave	East of Carter	50	159	504	1593	5037
11	Geneva Avenue	East of Tunnel	14	44	140	443	1400

# ADT Volumes Project # : 206069 Description: Cumulative + CPP Recology Hourly to Daily Multiplier: 5

Hourly to Daily Multiplie Intersection (N-S/E-W)	#	5 Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
Geneva & Bayshore	1	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	9342	46710
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Guadalupe Cyn & batshore	2	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0 0	0
		Northbound	Right Turn			West of intersection:	4303	21515
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Old County & Bayshore	3	Westbound	Right Turn			North of intersection:	0	0
ola obality a Dayshole	Ū	Westbound	Through			South of intersection:	5742	28710
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	3398	16990
		Northbound	Through				0000	10000
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
San Bruno & Bayshore	4	Westbound	Right Turn			North of intersection:	0	0
Can Brano & Bayshore	-	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	360	1800
		Northbound	Through				500	1000
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
harney & Thomas Mellon	5	Westbound	Right Turn			North of intersection:	0	0
namey a montas mellon	5	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	6036	30180
		Northbound	Right Turn			West of intersection:	0030	0
		Northbound	Through				0	U
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound						
		Southbound	Right Turn Through					
		Southbound	Left Turn					
		Southbound						

Intersection (N-S/E-W)	er: #	Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
Blanken & Tunnel	6	Westbound	Right Turn		i wi inputo	North of intersection:	0	0
Blanken & Tunnel	0	Westbound	Through			South of intersection:	2648	13240
		Westbound	Left Turn			East of intersection:	2040	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through			west of intersection.	0	0
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound Eastbound	Through Left Turn					
		Southbound						
		Southbound	Right Turn					
		Southbound	Through Left Turn					
Diankan <sup>9</sup> Davahara	7	Westbound	Right Turn			North of intersection:	0	0
Blanken & Bayshore	,		-				0	
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	2212	11060
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn				_	
Sunnydale & Bayshore	8	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	1843	9215
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Geneva & Carter	9	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	12195	60975
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
Geneva & Tunnel	10	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	8384	41920
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	_				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
						1		
		Southbound	Through					

ntersection (N-S/E-W)	#	Approach:	<b>Turning Movement</b>	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
	11	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	12	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	13	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				-	
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	14	Westbound	Right Turn			North of intersection:	0	0
	•••	Westbound	Through			South of intersection:	ů 0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				Ũ	°,
		Northbound	Left Turn					
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	15	Westbound	Right Turn			North of intersection:	0	0
	10	Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through				Ŭ	0
		Northbound	Left Turn	I				
		Eastbound	Right Turn	1				
				1				
			-					
		Eastbound	Through					
		Eastbound Eastbound	Through Left Turn					
		Eastbound	Through					

Hourly to Daily Multiplie Intersection (N-S/E-W)	#	Approach:	Turning Movement	AM Inputs	PM Inputs	Traffic Volumes	Peak Hour	ADT
	16	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	-				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	17	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	•				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	18	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	•				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	19	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	•				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn					
	20	Westbound	Right Turn			North of intersection:	0	0
		Westbound	Through			South of intersection:	0	0
		Westbound	Left Turn			East of intersection:	0	0
		Northbound	Right Turn			West of intersection:	0	0
		Northbound	Through					
		Northbound	Left Turn	•				
		Eastbound	Right Turn					
		Eastbound	Through					
		Eastbound	Left Turn					
		Southbound	Right Turn					
		Southbound	Through					
		Southbound	Left Turn		I	1		