

APPENDIX C
NOISE TECHNICAL DATA

Appendix C - 1
Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : CNEL

K Factor :
Traffic Desc. (Peak or ADT) : ADT



Segment	Roadway	From	To	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
1	Almond Avenue	Main Street	Batavia Street	7200	30	100	97	2	1	75	8	17	
2	Almond Avenue	Batavia Street	Glassell Street	5500	30	100	97	2	1	75	8	17	
3	Almond Avenue	Glassell Street	Grand Street	6200	30	100	97	2	1	75	8	17	
4	Almond Avenue	Grand Street	Cambridge Street	3400	30	100	97	2	1	75	8	17	
5	Batavia Street	La Veta Avenue	Almond Avenue	12300	30	100	97	2	1	75	8	17	
6	Batavia Street	Almond Avenue	Chapman Avenue	15500	35	100	97	2	1	75	8	17	
7	Batavia Street	Chapman Avenue	Walnut Avenue	20300	35	100	97	2	1	75	8	17	
8	Batavia Street	Walnut Avenue	Collins Avenue	22300	35	100	97	2	1	75	8	17	
9	Batavia Street	Collins Avenue	Katella Avenue	23300	35	100	97	2	1	75	8	17	
10	Batavia Street	Katella Avenue	Taft Avenue	21500	40	100	97	2	1	75	8	17	
11	Batavia Street	Taft Avenue	Fletcher Avenue	21800	40	100	97	2	1	75	8	17	
12	Batavia Street	Fletcher Avenue	Lincoln Avenue	22900	40	100	97	2	1	75	8	17	
13	Bond Avenue	Prospect Street	Hewes Street	8200	40	100	97	2	1	75	8	17	
14	Cambridge Street	South City Limits	Palmyra Avenue	7700	35	100	97	2	1	75	8	17	
15	Cambridge Street	Palmyra Avenue	Chapman Avenue	8600	35	100	97	2	1	75	8	17	
16	Cambridge Street	Chapman Avenue	Palm Avenue	8400	35	100	97	2	1	75	8	17	
17	Cambridge Street	Palm Avenue	Walnut Avenue	7700	35	100	97	2	1	75	8	17	
18	Cambridge Street	Walnut Avenue	Collins Avenue	8000	35	100	97	2	1	75	8	17	
19	Cambridge Street	Collins Avenue	Katella Avenue	8400	35	100	97	2	1	75	8	17	
20	Cambridge Street	Katella Avenue	Taft Avenue	11800	35	100	97	2	1	75	8	17	
21	Cambridge Street	Taft Avenue	Meats Avenue	7300	35	100	97	2	1	75	8	17	
22	Canyon View Avenue	Chapman Avenue	Outrider Street	6400	40	100	97	2	1	75	8	17	
23	Canyon View Avenue	Outrider Street	Newport Boulevard	6200	40	100	97	2	1	75	8	17	
24	Canyon View Avenue	Newport Boulevard	Jamboree Road	5700	40	100	97	2	1	75	8	17	
25	Chapman Avenue	Haster Street	Lewis Street	32600	40	100	97	2	1	75	8	17	
26	Chapman Avenue	Lewis Street	Manchester Avenue	35700	35	100	97	2	1	75	8	17	
27	Chapman Avenue	Manchester Avenue	The City Drive	40200	35	100	97	2	1	75	8	17	
28	Chapman Avenue	The City Drive	Eckhoff Street	42600	40	100	97	2	1	75	8	17	
29	Chapman Avenue	Eckhoff Street	Main Street	34700	40	100	97	2	1	75	8	17	
30	Chapman Avenue	Main Street	Batavia Street	23800	35	100	97	2	1	75	8	17	

Appendix C - 1
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Metric (Leq, Ldn, CNEL) : CNEL



Segment	Roadway	Segment		Noise Levels, dB CNEL				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Almond Avenue	Main Street	Batavia Street	55.6	49.3	53.4	58.2	16	35	76	164	353
2	Almond Avenue	Batavia Street	Glassell Street	54.4	48.1	52.2	57.1	14	30	64	137	295
3	Almond Avenue	Glassell Street	Grand Street	54.9	48.6	52.7	57.6	15	32	69	148	320
4	Almond Avenue	Grand Street	Cambridge Street	52.3	46.0	50.1	55.0	10	21	46	99	214
5	Batavia Street	La Veta Avenue	Almond Avenue	57.9	51.6	55.7	60.5	23	50	109	234	505
6	Batavia Street	Almond Avenue	Chapman Avenue	60.8	53.7	55.8	62.6	32	69	149	322	693
7	Batavia Street	Chapman Avenue	Walnut Avenue	62.0	54.8	57.0	63.8	39	83	179	385	830
8	Batavia Street	Walnut Avenue	Collins Avenue	62.4	55.2	57.4	64.2	41	88	190	410	884
9	Batavia Street	Collins Avenue	Katella Avenue	62.6	55.4	57.6	64.4	42	91	196	422	910
10	Batavia Street	Katella Avenue	Taft Avenue	63.9	56.0	57.8	65.4	49	106	229	493	1063
11	Batavia Street	Taft Avenue	Fletcher Avenue	64.0	56.0	57.9	65.5	50	107	231	498	1073
12	Batavia Street	Fletcher Avenue	Lincoln Avenue	64.2	56.3	58.1	65.7	51	111	239	514	1108
13	Bond Avenue	Prospect Street	Hewes Street	59.7	51.8	53.6	61.2	26	56	120	259	559
14	Cambridge Street	South City Limits	Palmyra Avenue	57.8	50.6	52.8	59.6	20	43	94	202	435
15	Cambridge Street	Palmyra Avenue	Chapman Avenue	58.3	51.1	53.3	60.1	22	47	101	217	468
16	Cambridge Street	Chapman Avenue	Palm Avenue	58.2	51.0	53.2	60.0	21	46	99	214	461
17	Cambridge Street	Palm Avenue	Walnut Avenue	57.8	50.6	52.8	59.6	20	43	94	202	435
18	Cambridge Street	Walnut Avenue	Collins Avenue	58.0	50.8	53.0	59.7	21	45	96	207	446
19	Cambridge Street	Collins Avenue	Katella Avenue	58.2	51.0	53.2	60.0	21	46	99	214	461
20	Cambridge Street	Katella Avenue	Taft Avenue	59.6	52.5	54.7	61.4	27	58	125	268	578
21	Cambridge Street	Taft Avenue	Meats Avenue	57.6	50.4	52.6	59.3	19	42	90	195	420
22	Canyon View Avenue	Chapman Avenue	Outrider Street	58.7	50.7	52.5	60.1	22	47	102	220	474
23	Canyon View Avenue	Outrider Street	Newport Boulevard	58.5	50.6	52.4	60.0	22	46	100	215	464
24	Canyon View Avenue	Newport Boulevard	Jamboree Road	58.2	50.2	52.0	59.6	20	44	94	204	439
25	Chapman Avenue	Haster Street	Lewis Street	65.7	57.8	59.6	67.2	65	140	302	651	1403
26	Chapman Avenue	Lewis Street	Manchester Avenue	64.4	57.3	59.5	66.2	56	121	261	561	1209
27	Chapman Avenue	Manchester Avenue	The City Drive	65.0	57.8	60.0	66.8	61	131	282	608	1309
28	Chapman Avenue	The City Drive	Eckhoff Street	66.9	59.0	60.8	68.4	78	168	361	778	1676
29	Chapman Avenue	Eckhoff Street	Main Street	66.0	58.1	59.9	67.5	68	146	315	679	1462
30	Chapman Avenue	Main Street	Batavia Street	62.7	55.5	57.7	64.5	43	92	199	428	923

Appendix C - 2
Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : CNEL

K Factor :
Traffic Desc. (Peak or ADT) : ADT



Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
31	Chapman Avenue	Batavia Street	Lemon Street	20,700	35	100	97	2	1	75	8	17	
311	Chapman Avenue	Lemon Street	Glassell Street	12,500	35	100	97	2	1	75	8	17	
312	Chapman Avenue	Glassell Street	Grand Street	12,600	35	100	97	2	1	75	8	17	
32	Chapman Avenue	Grand Street	Cambridge Street	25,300	35	100	97	2	1	75	8	17	
33	Chapman Avenue	Cambridge Street	Tustin Street	28,400	40	100	97	2	1	75	8	17	
34	Chapman Avenue	Tustin Street	SR-55	50,300	40	100	97	2	1	75	8	17	
35	Chapman Avenue	SR-55	Yorba Street	75,300	40	100	97	2	1	75	8	17	
36	Chapman Avenue	Yorba Street	Prospect Street	63,600	40	100	97	2	1	75	8	17	
37	Chapman Avenue	Prospect Street	Esplanade Street	50,900	40	100	97	2	1	75	8	17	
38	Chapman Avenue	Esplanade Street	Hewes Street	47,100	40	100	97	2	1	75	8	17	
39	Chapman Avenue	Hewes Street	Crawford Canyon Road	41,100	45	100	97	2	1	75	8	17	
40	Chapman Avenue	Crawford Canyon Road	Canyon View Avenue	39,700	50	100	97	2	1	75	8	17	
41	Chapman Avenue	Canyon View Avenue	Orange Park Boulevard	31,400	50	100	97	2	1	75	8	17	
42	Chapman Avenue	Orange Park Boulevard	Newport Boulevard	27,600	50	100	97	2	1	75	8	17	
43	Chapman Avenue	Newport Boulevard	Jamboree Road	48,300	50	100	97	2	1	75	8	17	
44	Chapman Avenue	Jamboree Road	City Limit	42,600	50	100	97	2	1	75	8	17	
45	Collins Avenue	Eckhoff Street	Main Street	14,900	40	100	97	2	1	75	8	17	
46	Collins Avenue	Main Street	Batavia Street	18,200	40	100	97	2	1	75	8	17	
47	Collins Avenue	Batavia Street	Glassell Street	23,000	40	100	97	2	1	75	8	17	
48	Collins Avenue	Glassell Street	Cambridge Street	17,800	35	100	97	2	1	75	8	17	
49	Collins Avenue	Cambridge Street	Tustin Street	22,900	35	100	97	2	1	75	8	17	
50	Collins Avenue	Tustin Street	Handy Street	16,000	35	100	97	2	1	75	8	17	
51	Collins Avenue	Handy Street	Wanda Road	15,300	35	100	97	2	1	75	8	17	
52	Collins Avenue	Wanda Road	Prospect Street	20,300	35	100	97	2	1	75	8	17	
53	Crawford Canyon Road	Barrett Avenue	Chapman Avenue	17,300	45	100	97	2	1	75	8	17	
54	Cannon Street	Chapman Avenue	Creekside Avenue	13,000	45	100	97	2	1	75	8	17	
55	Cannon Street	Creekside Avenue	Patria Court	8,700	45	100	97	2	1	75	8	17	
56	Cannon Street	Patria Court	Santiago Canyon Road	8,500	45	100	97	2	1	75	8	17	
57	Cannon Street	Santiago Canyon Road	Taft Avenue	46,600	45	100	97	2	1	75	8	17	
58	Cannon Street	Taft Avenue	Via Escola	33,000	45	100	97	2	1	75	8	17	

Appendix C - 2
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Metric (Leq, Ldn, CNEL) : CNEL



Segment	Roadway	Segment		Noise Levels, dB CNEL				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
31	Chapman Avenue	Batavia Street	Lemon Street	62.1	54.9	57.1	63.9	39	84	181	390	841
311	Chapman Avenue	Lemon Street	Glassell Street	59.9	52.7	54.9	61.7	28	60	129	279	601
312	Chapman Avenue	Glassell Street	Grand Street	59.9	52.8	54.9	61.7	28	60	130	280	604
32	Chapman Avenue	Grand Street	Cambridge Street	63.0	55.8	58.0	64.7	45	96	207	446	961
33	Chapman Avenue	Cambridge Street	Tustin Street	65.1	57.2	59.0	66.6	59	128	276	594	1279
34	Chapman Avenue	Tustin Street	SR-55	67.6	59.7	61.5	69.1	87	187	403	869	1873
35	Chapman Avenue	SR-55	Yorba Street	69.4	61.4	63.2	70.8	114	245	528	1138	2451
36	Chapman Avenue	Yorba Street	Prospect Street	68.6	60.7	62.5	70.1	102	219	472	1016	2190
37	Chapman Avenue	Prospect Street	Esplanade Street	67.7	59.7	61.5	69.1	88	189	407	876	1888
38	Chapman Avenue	Esplanade Street	Hewes Street	67.3	59.4	61.2	68.8	83	179	386	832	1792
39	Chapman Avenue	Hewes Street	Crawford Canyon I	68.2	59.6	61.1	69.4	92	198	427	919	1980
40	Chapman Avenue	Crawford Canyon I	Canyon View Aver	69.4	60.2	61.4	70.4	107	230	496	1069	2304
41	Chapman Avenue	Canyon View Aver	Orange Park Boul	68.4	59.1	60.3	69.4	91	197	425	915	1970
42	Chapman Avenue	Orange Park Boul	Newport Boulevard	67.8	58.6	59.8	68.9	84	181	390	839	1808
43	Chapman Avenue	Newport Boulevard	Jamboree Road	70.2	61.0	62.2	71.3	122	263	566	1219	2626
44	Chapman Avenue	Jamboree Road	City Limit	69.7	60.5	61.7	70.7	112	241	520	1121	2415
45	Collins Avenue	Eckhoff Street	Main Street	62.3	54.4	56.2	63.8	39	83	179	386	832
46	Collins Avenue	Main Street	Batavia Street	63.2	55.3	57.1	64.7	44	95	205	441	951
47	Collins Avenue	Batavia Street	Glassell Street	64.2	56.3	58.1	65.7	52	111	239	516	1112
48	Collins Avenue	Glassell Street	Cambridge Street	61.4	54.3	56.4	63.2	35	76	164	353	760
49	Collins Avenue	Cambridge Street	Tustin Street	62.5	55.4	57.5	64.3	42	90	194	418	900
50	Collins Avenue	Tustin Street	Handy Street	61.0	53.8	56.0	62.8	33	71	153	329	708
51	Collins Avenue	Handy Street	Wanda Road	60.8	53.6	55.8	62.6	32	69	148	319	687
52	Collins Avenue	Wanda Road	Prospect Street	62.0	54.8	57.0	63.8	39	83	179	385	830
53	Crawford Canyon Road	Barrett Avenue	Chapman Avenue	64.4	55.8	57.3	65.7	52	111	240	516	1112
54	Cannon Street	Chapman Avenue	Creekside Avenue	63.2	54.6	56.1	64.5	43	92	198	427	919
55	Cannon Street	Creekside Avenue	Patria Court	61.5	52.9	54.3	62.7	33	70	152	326	703
56	Cannon Street	Patria Court	Santiago Canyon I	61.4	52.8	54.2	62.6	32	69	149	321	692
57	Cannon Street	Santiago Canyon I	Taft Avenue	68.8	60.1	61.6	70.0	100	215	464	999	2153
58	Cannon Street	Taft Avenue	Via Escala	67.3	58.6	60.1	68.5	79	171	368	794	1710

Appendix C - 3
Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : CNEL

K Factor :
Traffic Desc. (Peak or ADT) : ADT



Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
59	Eckhoff Street	Chapman Avenue	Sycamore Avenue	5500	35	100	97	2	1	75	8	17	
60	Eckhoff Street	Orangewood Avenue	Collins Avenue	19500	40	100	97	2	1	75	8	17	
61	Esplanade Street	Fairhaven Avenue	La Veta Avenue	3500	45	100	97	2	1	75	8	17	
62	Esplanade Street	La Veta Avenue	Chapman Avenue	7500	35	100	97	2	1	75	8	17	
63	Fairhaven Avenue	Glassell Street	Cambridge Street	10200	40	100	97	2	1	75	8	17	
64	Fairhaven Avenue	Cambridge Street	Tustin Street	10000	40	100	97	2	1	75	8	17	
65	Fairhaven Avenue	Tustin Street	Yorba Street	15600	40	100	97	2	1	75	8	17	
66	Fairhaven Avenue	Yorba Street	Prospect Street	14700	40	100	97	2	1	75	8	17	
67	Fairhaven Avenue	Prospect Street	Esplanade Street	13500	40	100	97	2	1	75	8	17	
68	Fairhaven Avenue	Esplanade Street	Hewes Street	12000	40	100	97	2	1	75	8	17	
69	Fletcher Avenue	Batavia Street	Glassell Street	7600	35	100	97	2	1	75	8	17	
70	Garden Grove Boulevard	The City Drive	Lewis Street	22000	40	100	97	2	1	75	8	17	
72	Glassell Street	SR-22	La Veta Avenue	34600	35	100	97	2	1	75	8	17	
73	Glassell Street	La Veta Avenue	Almond Avenue	17600	30	100	97	2	1	75	8	17	
731	Glassell Street	Almond Avenue	Chapman Avenue	10000	30	100	97	2	1	75	8	17	
74	Glassell Street	Chapman Avenue	Palm Avenue	11900	35	100	97	2	1	75	8	17	
75	Glassell Street	Palm Avenue	Collins Avenue	16700	35	100	97	2	1	75	8	17	
76	Glassell Street	Collins Avenue	Katella Avenue	25000	40	100	97	2	1	75	8	17	
77	Glassell Street	Katella Avenue	Orange Olive Road	37700	40	100	97	2	1	75	8	17	
78	Glassell Street	Orange Olive Road	Grove Avenue	21500	45	100	97	2	1	75	8	17	
79	Glassell Street	Grove Avenue	Lincoln Avenue	29600	45	100	97	2	1	75	8	17	
80	Glassell Street	Lincoln Avenue	Santa Ana River	29500	45	100	97	2	1	75	8	17	
811	Grand Street	La Veta Avenue	Palmyra Avenue	9000	35	100	97	2	1	75	8	17	
812	Grand Street	Almond Avenue	Chapman Avenue	10000	35	100	97	2	1	75	8	17	
81	Grand Street	Chapman Avenue	Maple Avenue	5700	40	100	97	2	1	75	8	17	
82	Hewes Street	Fairhaven Avenue	Washington Avenue	7500	35	100	97	2	1	75	8	17	
83	Hewes Street	Washington Avenue	Chapman Avenue	11000	35	100	97	2	1	75	8	17	
84	Hewes Street	Chapman Avenue	Walnut Avenue	12600	40	100	97	2	1	75	8	17	
85	Hewes Street	Bond Avenue	Santiago Canyon Road	10300	45	100	97	2	1	75	8	17	
86	Jamboree Road	Santiago Canyon Road	Chapman Avenue	30500	40	100	97	2	1	75	8	17	

Appendix C - 3
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Metric (Leq, Ldn, CNEL) : CNEL



Segment	Roadway	Segment		Noise Levels, dB CNEL				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
59	Eckhoff Street	Chapman Avenue	Sycamore Avenue	56.3	49.2	51.3	58.1	16	35	75	161	348
60	Eckhoff Street	Orangewood Avenue	Collins Avenue	63.5	55.6	57.4	65.0	46	100	215	462	996
61	Esplanade Street	Fairhaven Avenue	La Veta Avenue	57.5	48.9	50.4	58.8	18	38	83	178	383
62	Esplanade Street	La Veta Avenue	Chapman Avenue	57.7	50.5	52.7	59.5	20	43	92	198	427
63	Fairhaven Avenue	Glassell Street	Cambridge Street	60.7	52.7	54.6	62.2	30	65	139	300	646
64	Fairhaven Avenue	Cambridge Street	Tustin Street	60.6	52.7	54.5	62.1	30	64	137	296	638
65	Fairhaven Avenue	Tustin Street	Yorba Street	62.5	54.6	56.4	64.0	40	86	185	398	858
66	Fairhaven Avenue	Yorba Street	Prospect Street	62.3	54.3	56.1	63.7	38	82	178	383	825
67	Fairhaven Avenue	Prospect Street	Esplanade Street	61.9	54.0	55.8	63.4	36	78	168	362	779
68	Fairhaven Avenue	Esplanade Street	Hewes Street	61.4	53.5	55.3	62.9	33	72	155	334	720
69	Fletcher Avenue	Batavia Street	Glassell Street	57.7	50.6	52.7	59.5	20	43	93	200	431
70	Garden Grove Boulevard	The City Drive	Lewis Street	64.0	56.1	57.9	65.5	50	108	232	501	1079
72	Glassell Street	SR-22	La Veta Avenue	64.3	57.1	59.3	66.1	55	118	255	550	1184
73	Glassell Street	La Veta Avenue	Almond Avenue	59.5	53.2	57.3	62.1	30	64	138	298	641
731	Glassell Street	Almond Avenue	Chapman Avenue	57.0	50.7	54.8	59.6	20	44	95	204	440
74	Glassell Street	Chapman Avenue	Palm Avenue	59.7	52.5	54.7	61.5	27	58	125	270	581
75	Glassell Street	Palm Avenue	Collins Avenue	61.2	54.0	56.2	62.9	34	73	157	338	729
76	Glassell Street	Collins Avenue	Katella Avenue	64.6	56.6	58.5	66.1	55	118	253	545	1175
77	Glassell Street	Katella Avenue	Orange Olive Road	66.4	58.4	60.2	67.8	72	155	333	717	1545
78	Glassell Street	Orange Olive Road	Grove Avenue	65.4	56.8	58.3	66.6	60	129	277	597	1285
79	Glassell Street	Grove Avenue	Lincoln Avenue	66.8	58.2	59.7	68.0	74	159	343	738	1591
80	Glassell Street	Lincoln Avenue	Santa Ana River	66.8	58.2	59.6	68.0	74	159	342	737	1587
811	Grand Street	La Veta Avenue	Palmyra Avenue	58.5	51.3	53.5	60.3	22	48	104	224	483
812	Grand Street	Almond Avenue	Chapman Avenue	58.9	51.8	53.9	60.7	24	52	112	240	518
81	Grand Street	Chapman Avenue	Maple Avenue	58.2	50.2	52.0	59.6	20	44	94	204	439
82	Hewes Street	Fairhaven Avenue	Washington Avenue	57.7	50.5	52.7	59.5	20	43	92	198	427
83	Hewes Street	Washington Avenue	Chapman Avenue	59.3	52.2	54.4	61.1	26	55	119	256	552
84	Hewes Street	Chapman Avenue	Walnut Avenue	61.6	53.7	55.5	63.1	35	74	160	345	744
85	Hewes Street	Bond Avenue	Santiago Canyon I	62.2	53.6	55.1	63.4	37	79	170	365	787
86	Jamboree Road	Santiago Canyon I	Chapman Avenue	65.4	57.5	59.3	66.9	62	134	289	623	1342

Appendix C - 4
Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : CNEL

K Factor :
Traffic Desc. (Peak or ADT) : ADT



Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
87	Jamboree Road	Chapman Avenue	Canyon View Avenue	30500	55	100	97	2	1	75	8	17	
88	Jamboree Road	Canyon View Avenue	South City Limit	34100	55	100	97	2	1	75	8	17	
89	Katella Avenue*	Struck Avenue	Main Street	56500	40	100	97	2	1	75	8	17	
90	Katella Avenue*	Main Street	Batavia Street	55100	40	100	97	2	1	75	8	17	
91	Katella Avenue*	Batavia Street	Glassell Street	53700	40	100	97	2	1	75	8	17	
92	Katella Avenue*	Glassell Street	Cambridge Street	54500	40	100	97	2	1	75	8	17	
93	Katella Avenue*	Cambridge Street	Tustin Street	49900	40	100	97	2	1	75	8	17	
94	Katella Avenue*	Tustin Street	SR-55	54600	40	100	97	2	1	75	8	17	
95	Katella Avenue	SR-55	Handy Street	47300	40	100	97	2	1	75	8	17	
96	Katella Avenue	Handy Street	Wanda Road	43900	40	100	97	2	1	75	8	17	
97	Katella Avenue	Wanda Road	Center Drive	40300	40	100	97	2	1	75	8	17	
98	Katella Avenue	Center Drive	Santiago Canyon Road	38200	40	100	97	2	1	75	8	17	
99	La Veta Avenue	Flower Street	Devon Street	33000	45	100	97	2	1	75	8	17	
100	La Veta Avenue	Devon Street	Main Street	29600	45	100	97	2	1	75	8	17	
101	La Veta Avenue	Main Street	Batavia Street	37700	45	100	97	2	1	75	8	17	
102	La Veta Avenue	Batavia Street	Glassell Street	20600	35	100	97	2	1	75	8	17	
103	La Veta Avenue	Glassell Street	Shaffer Street	11200	30	100	97	2	1	75	8	17	
104	La Veta Avenue	Shaffer Street	Cambridge Street	8400	30	100	97	2	1	75	8	17	
105	La Veta Avenue	Tustin Street	Yorba Street	11000	40	100	97	2	1	75	8	17	
106	La Veta Avenue	Yorba Street	Prospect Street	10400	40	100	97	2	1	75	8	17	
107	La Veta Avenue	Prospect Street	Esplanade Street	8500	30	100	97	2	1	75	8	17	
1081	Lemon Street	La Veta Avenue	Palmyra Avenue	8000	30	100	97	2	1	75	8	17	
108	Lemon Street	Chapman Avenue	Maple Avenue	8400	30	100	97	2	1	75	8	17	
1082	Lemon Street	Maple Avenue	Walnut Avenue	2000	30	100	97	2	1	75	8	17	
109	Lewis Street	Garden Grove Avenue	Metropolitan Drive	17100	40	100	97	2	1	75	8	17	
110	Lewis Street	Metropolitan Drive	Chapman Avenue	18600	40	100	97	2	1	75	8	17	
111	Lewis Street	Chapman Avenue	Sirius Avenue	12400	40	100	97	2	1	75	8	17	
112	Lincoln Avenue	West City Limit	Batavia Street	40200	45	100	97	2	1	75	8	17	
113	Lincoln Avenue	Batavia Street	Glassell Street	32000	45	100	97	2	1	75	8	17	
114	Lincoln Avenue	Glassell Street	Orange Olive Road	32500	45	100	97	2	1	75	8	17	

Appendix C - 4
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Metric (Leq, Ldn, CNEL) : CNEL



Segment	Roadway	Segment		Noise Levels, dB CNEL				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
87	Jamboree Road	Chapman Avenue	Canyon View Aver	69.4	59.7	60.6	70.3	105	227	489	1054	2271
88	Jamboree Road	Canyon View Aver	South City Limit	69.9	60.1	61.1	70.8	114	245	527	1135	2446
89	Katella Avenue*	Struck Avenue	Main Street	68.1	60.2	62.0	69.6	94	202	436	939	2024
90	Katella Avenue*	Main Street	Batavia Street	68.0	60.1	61.9	69.5	92	199	429	924	1990
91	Katella Avenue*	Batavia Street	Glassell Street	67.9	60.0	61.8	69.4	91	196	421	908	1956
92	Katella Avenue*	Glassell Street	Cambridge Street	68.0	60.0	61.8	69.4	92	198	426	917	1976
93	Katella Avenue*	Cambridge Street	Tustin Street	67.6	59.6	61.5	69.1	86	186	401	865	1863
94	Katella Avenue*	Tustin Street	SR-55	68.0	60.0	61.8	69.4	92	198	426	918	1978
95	Katella Avenue	SR-55	Handy Street	67.3	59.4	61.2	68.8	83	180	387	834	1798
96	Katella Avenue	Handy Street	Wanda Road	67.0	59.1	60.9	68.5	79	171	368	794	1710
97	Katella Avenue	Wanda Road	Center Drive	66.6	58.7	60.5	68.1	75	162	348	750	1615
98	Katella Avenue	Center Drive	Santiago Canyon I	66.4	58.5	60.3	67.9	72	156	336	724	1559
99	La Veta Avenue	Flower Street	Devon Street	67.3	58.6	60.1	68.5	79	171	368	794	1710
100	La Veta Avenue	Devon Street	Main Street	66.8	58.2	59.7	68.0	74	159	343	738	1591
101	La Veta Avenue	Main Street	Batavia Street	67.8	59.2	60.7	69.1	87	187	403	868	1869
102	La Veta Avenue	Batavia Street	Glassell Street	62.1	54.9	57.1	63.9	39	84	181	389	838
103	La Veta Avenue	Glassell Street	Shaffer Street	57.5	51.2	55.3	60.1	22	47	102	220	474
104	La Veta Avenue	Shaffer Street	Cambridge Street	56.2	50.0	54.1	58.9	18	39	84	182	392
105	La Veta Avenue	Tustin Street	Yorba Street	61.0	53.1	54.9	62.5	32	68	146	316	680
106	La Veta Avenue	Yorba Street	Prospect Street	60.8	52.8	54.6	62.2	30	65	141	304	655
107	La Veta Avenue	Prospect Street	Esplanade Street	56.3	50.0	54.1	58.9	18	39	85	183	395
1081	Lemon Street	La Veta Avenue	Palmyra Avenue	56.0	49.7	53.9	58.7	18	38	82	176	379
108	Lemon Street	Chapman Avenue	Maple Avenue	56.2	50.0	54.1	58.9	18	39	84	182	392
1082	Lemon Street	Maple Avenue	Walnut Avenue	50.0	43.7	47.8	52.7	7	15	32	70	150
109	Lewis Street	Garden Grove Ave	Metropolitan Drive	62.9	55.0	56.8	64.4	42	91	197	423	912
110	Lewis Street	Metropolitan Drive	Chapman Avenue	63.3	55.4	57.2	64.8	45	96	208	448	965
111	Lewis Street	Chapman Avenue	Sirius Avenue	61.5	53.6	55.4	63.0	34	74	159	342	736
112	Lincoln Avenue	West City Limit	Batavia Street	68.1	59.5	61.0	69.4	91	195	420	906	1951
113	Lincoln Avenue	Batavia Street	Glassell Street	67.1	58.5	60.0	68.4	78	168	361	778	1676
114	Lincoln Avenue	Glassell Street	Orange Olive Road	67.2	58.6	60.1	68.4	79	169	365	786	1693

Appendix C - 5
Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : CNEL

K Factor :
Traffic Desc. (Peak or ADT) : ADT



Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
115	Lincoln Avenue	Orange Olive Road	Tustin Street	45000	45	100	97	2	1	75	8	17	
116	Lincoln Avenue	Tustin Street	Santiago Boulevard	42900	45	100	97	2	1	75	8	17	
117	Main Street	Town & Country Road	La Veta Avenue	55500	40	100	97	2	1	75	8	17	
118	Main Street	La Veta Avenue	Chapman Avenue	48500	40	100	97	2	1	75	8	17	
119	Main Street	Chapman Avenue	Sycamore Avenue	36400	40	100	97	2	1	75	8	17	
120	Main Street	Sycamore Avenue	Collins Avenue	39900	40	100	97	2	1	75	8	17	
121	Main Street	Collins Avenue	Struck Avenue	25300	40	100	97	2	1	75	8	17	
122	Main Street	Struck Avenue	Katella Avenue	26800	40	100	97	2	1	75	8	17	
123	Main Street	Katella Avenue	Taft Avenue	22500	40	100	97	2	1	75	8	17	
124	Meats Avenue	Glassell Street	Orange Olive Road	12800	40	100	97	2	1	75	8	17	
125	Meats Avenue	Orange Olive Road	Cambridge Street	18200	40	100	97	2	1	75	8	17	
126	Meats Avenue	Cambridge Street	Tustin Street	21500	40	100	97	2	1	75	8	17	
127	Meats Avenue	Tustin Street	SR-55 SB Ramps	53200	40	100	97	2	1	75	8	17	
1271	Meats Avenue	SR-55 SB Ramps	SR-55 NB Ramps	45500	40	100	97	2	1	75	8	17	
1272	Meats Avenue	SR-55 NB Ramps	Santiago Boulevard	31900	40	100	97	2	1	75	8	17	
128	Meats Avenue	Santiago Boulevard	Featherhill Road	15700	45	100	97	2	1	75	8	17	
129	Meats Avenue	Featherhill Road	Via Escola	8200	45	100	97	2	1	75	8	17	
130	Metropolitan Drive	Lewis Street	SR-22 Westbound Ran	9400	30	100	97	2	1	75	8	17	
131	Metropolitan Drive	SR-22 Westbound Ran	The City Drive	19200	30	100	97	2	1	75	8	17	
1311	Metropolitan Drive	The City Drive	Chapman Avenue	21100	30	100	97	2	1	75	8	17	
132	Manchester Avenue	Chapman Avenue	Compton Avenue	10900	30	100	97	2	1	75	8	17	
133	Newport Boulevard	South City Limits	Canyon View Avenue	9000	45	100	97	2	1	75	8	17	
134	Newport Boulevard	Canyon View Avenue	Chapman Avenue	7800	40	100	97	2	1	75	8	17	
135	Newport Boulevard	Chapman Avenue	Santiago Canyon Road	14700	40	100	97	2	1	75	8	17	
136	Nohl Ranch Road	Santiago Boulevard	East City Limit	11100	35	100	97	2	1	75	8	17	
137	Orange Olive Road	Glassell Street	Meats Avenue	19500	45	100	97	2	1	75	8	17	
138	Orange Olive Road	Meats Avenue	Lincoln Avenue	17000	45	100	97	2	1	75	8	17	
139	Orange Olive Road	Lincoln Avenue	Santa Ana Canyon Roa	15200	45	100	97	2	1	75	8	17	
140	Orange Olive Road	Santa Ana Canyon Roa	Riverdale Avenue	11000	45	100	97	2	1	75	8	17	
141	Orangewood Avenue	Eckhoff Street	Main Street	40500	50	100	97	2	1	75	8	17	

Appendix C - 5
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Metric (Leq, Ldn, CNEL) : CNEL



Segment	Roadway	Segment		Noise Levels, dB CNEL				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
115	Lincoln Avenue	Orange Olive Road	Tustin Street	68.6	60.0	61.5	69.8	98	210	453	976	2103
116	Lincoln Avenue	Tustin Street	Santiago Boulevard	68.4	59.8	61.3	69.6	95	204	439	946	2037
117	Main Street	Town & Country Road	La Veta Avenue	68.0	60.1	61.9	69.5	93	200	431	928	2000
118	Main Street	La Veta Avenue	Chapman Avenue	67.5	59.5	61.3	68.9	85	183	394	848	1828
119	Main Street	Chapman Avenue	Sycamore Avenue	66.2	58.3	60.1	67.7	70	151	325	701	1509
120	Main Street	Sycamore Avenue	Collins Avenue	66.6	58.7	60.5	68.1	74	160	346	745	1605
121	Main Street	Collins Avenue	Struck Avenue	64.6	56.7	58.5	66.1	55	118	255	550	1184
122	Main Street	Struck Avenue	Katella Avenue	64.9	56.9	58.8	66.4	57	123	265	571	1231
123	Main Street	Katella Avenue	Taft Avenue	64.1	56.2	58.0	65.6	51	110	236	508	1095
124	Meats Avenue	Glassell Street	Orange Olive Road	61.7	53.7	55.5	63.1	35	75	162	349	752
125	Meats Avenue	Orange Olive Road	Cambridge Street	63.2	55.3	57.1	64.7	44	95	205	441	951
126	Meats Avenue	Cambridge Street	Tustin Street	63.9	56.0	57.8	65.4	49	106	229	493	1063
127	Meats Avenue	Tustin Street	SR-55 SB Ramps	67.9	59.9	61.7	69.3	90	194	419	902	1944
1271	Meats Avenue	SR-55 SB Ramps	SR-55 NB Ramps	67.2	59.2	61.1	68.7	81	175	377	813	1752
1272	Meats Avenue	SR-55 NB Ramps	Santiago Boulevard	65.6	57.7	59.5	67.1	64	138	298	642	1382
128	Meats Avenue	Santiago Boulevard	Featherhill Road	64.0	55.4	56.9	65.3	48	104	225	484	1042
129	Meats Avenue	Featherhill Road	Via Escala	61.2	52.6	54.1	62.4	31	68	146	314	676
130	Metropolitan Drive	Lewis Street	SR-22 Westbound	56.7	50.4	54.6	59.4	20	42	91	196	422
131	Metropolitan Drive	SR-22 Westbound	The City Drive	59.8	53.5	57.7	62.5	32	68	146	315	679
1311	Metropolitan Drive	The City Drive	Chapman Avenue	60.2	54.0	58.1	62.9	34	72	156	336	723
132	Manchester Avenue	Chapman Avenue	Compton Avenue	57.4	51.1	55.2	60.0	22	47	100	216	466
133	Newport Boulevard	South City Limits	Canyon View Avenue	61.6	53.0	54.5	62.9	33	72	155	334	719
134	Newport Boulevard	Canyon View Avenue	Chapman Avenue	59.5	51.6	53.4	61.0	25	54	116	251	541
135	Newport Boulevard	Chapman Avenue	Santiago Canyon I	62.3	54.3	56.1	63.7	38	82	178	383	825
136	Nohl Ranch Road	Santiago Boulevard	East City Limit	59.4	52.2	54.4	61.2	26	56	120	258	555
137	Orange Olive Road	Glassell Street	Meats Avenue	65.0	56.4	57.8	66.2	56	120	259	559	1204
138	Orange Olive Road	Meats Avenue	Lincoln Avenue	64.4	55.8	57.3	65.6	51	110	237	510	1099
139	Orange Olive Road	Lincoln Avenue	Santa Ana Canyon	63.9	55.3	56.8	65.1	47	102	220	473	1020
140	Orange Olive Road	Santa Ana Canyon	Riverdale Avenue	62.5	53.9	55.4	63.7	38	82	177	382	822
141	Orangewood Avenue	Eckhoff Street	Main Street	69.5	60.2	61.4	70.5	108	233	503	1084	2335

Appendix C - 6
Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : CNEL

K Factor :
Traffic Desc. (Peak or ADT) : ADT



Segment	Roadway	From	To	Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
142	Palm Avenue	Main Street	Batavia Street	4,600	35	100	97	2	1	75	8	17	
143	Palm Avenue	Batavia Street	Cypress Street	7,800	35	100	97	2	1	75	8	17	
144	Palm Avenue	Cypress Street	Glassell Street	7,400	35	100	97	2	1	75	8	17	
145	Palm Avenue	Glassell Street	Cambridge Street	5,100	35	100	97	2	1	75	8	17	
146	Palm Avenue	Cambridge Street	Tustin Street	7,800	35	100	97	2	1	75	8	17	
147	Palmyra Avenue	Batavia Street	Glassell Street	3,000	35	100	97	2	1	75	8	17	
148	Palmyra Avenue	Glassell Street	Cambridge Street	1,900	35	100	97	2	1	75	8	17	
149	Palmyra Avenue	Cambridge Street	Tustin Street	5,400	35	100	97	2	1	75	8	17	
150	Parker Street	La Veta Avenue	Town & Country Road	19,500	40	100	97	2	1	75	8	17	
151	Prospect Street	Fairhaven Avenue	La Veta Avenue	10,700	40	100	97	2	1	75	8	17	
152	Prospect Street	La Veta Avenue	Chapman Avenue	13,400	40	100	97	2	1	75	8	17	
153	Prospect Street	Chapman Avenue	Spring Street	23,000	35	100	97	2	1	75	8	17	
154	Prospect Street	Spring Street	Walnut Avenue	22,100	40	100	97	2	1	75	8	17	
155	Prospect Street	Walnut Avenue	Bond Avenue	17,400	40	100	97	2	1	75	8	17	
156	Rampart Street	Chapman Avenue	Orangewood Avenue	19,200	35	100	97	2	1	75	8	17	
157	Rancho Santiago Boulevard	Chapman Avenue	Walnut Avenue	8,100	35	100	97	2	1	75	8	17	
158	Rancho Santiago Boulevard	Hewes Street	Bond Avenue	3,100	35	100	97	2	1	75	8	17	
159	Riverdale Avenue	Glassell Street	Orange Olive Road	6,000	40	100	97	2	1	75	8	17	
160	Riverdale Avenue	Orange Olive Road	Tustin Street	8,900	40	100	97	2	1	75	8	17	
161	Santiago Boulevard	North City Limit	Nohl Ranch Road	17,600	35	100	97	2	1	75	8	17	
162	Santiago Boulevard	Wanda Road	Taft Avenue	17,300	35	100	97	2	1	75	8	17	
163	Santiago Boulevard	Taft Avenue	Villa Real Drive	12,300	35	100	97	2	1	75	8	17	
164	Santiago Boulevard	Villa Real Drive	Lincoln Avenue	13,900	35	100	97	2	1	75	8	17	
165	Santiago Canyon Road	Hewes Street	Cannon Street	40,500	50	100	97	2	1	75	8	17	
166	Santiago Canyon Road	Cannon Street	Orange Park Boulevard	48,600	50	100	97	2	1	75	8	17	
167	Santiago Canyon Road	Orange Park Boulevard	Meads Avenue	42,000	50	100	97	2	1	75	8	17	
168	Santiago Canyon Road	Meads Avenue	Newport Boulevard	41,100	50	100	97	2	1	75	8	17	
169	Santiago Canyon Road	Newport Boulevard	Jamboree Road	30,200	50	100	97	2	1	75	8	17	
170	Santiago Canyon Road	Jamboree Road	South City Limit	42,600	55	100	97	2	1	75	8	17	
171	Serrano Avenue	Cannon Street	Orange Park Boulevard	23,100	35	100	97	2	1	75	8	17	

Appendix C - 6
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Metric (Leq, Ldn, CNEL) : CNEL



Segment	Roadway	Segment		Noise Levels, dB CNEL				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
142	Palm Avenue	Main Street	Batavia Street	55.6	48.4	50.6	57.3	14	31	66	143	309
143	Palm Avenue	Batavia Street	Cypress Street	57.8	50.7	52.9	59.6	20	44	95	204	439
144	Palm Avenue	Cypress Street	Glassell Street	57.6	50.4	52.6	59.4	20	42	91	197	424
145	Palm Avenue	Glassell Street	Cambridge Street	56.0	48.8	51.0	57.8	15	33	71	153	330
146	Palm Avenue	Cambridge Street	Tustin Street	57.8	50.7	52.9	59.6	20	44	95	204	439
147	Palmyra Avenue	Batavia Street	Glassell Street	53.7	46.5	48.7	55.5	11	23	50	108	232
148	Palmyra Avenue	Glassell Street	Cambridge Street	51.7	44.5	46.7	53.5	8	17	37	79	171
149	Palmyra Avenue	Cambridge Street	Tustin Street	56.2	49.1	51.3	58.0	16	34	74	159	343
150	Parker Street	La Veta Avenue	Town & Country F	63.5	55.6	57.4	65.0	46	100	215	462	996
151	Prospect Street	Fairhaven Avenue	La Veta Avenue	60.9	53.0	54.8	62.4	31	67	144	310	667
152	Prospect Street	La Veta Avenue	Chapman Avenue	61.9	53.9	55.7	63.3	36	78	167	360	775
153	Prospect Street	Chapman Avenue	Spring Street	62.5	55.4	57.6	64.3	42	90	194	419	902
154	Prospect Street	Spring Street	Walnut Avenue	64.0	56.1	57.9	65.5	50	108	233	502	1082
155	Prospect Street	Walnut Avenue	Bond Avenue	63.0	55.1	56.9	64.5	43	92	199	428	923
156	Rampart Street	Chapman Avenue	Orangewood Aven	61.8	54.6	56.8	63.5	37	80	172	371	800
157	Rancho Santiago Boulevard	Chapman Avenue	Walnut Avenue	58.0	50.8	53.0	59.8	21	45	97	209	450
158	Rancho Santiago Boulevard	Hewes Street	Bond Avenue	53.8	46.7	48.9	55.6	11	24	51	110	237
159	Riverdale Avenue	Glassell Street	Orange Olive Roa	58.4	50.4	52.3	59.9	21	45	98	211	454
160	Riverdale Avenue	Orange Olive Roa	Tustin Street	60.1	52.2	54.0	61.6	27	59	127	274	590
161	Santiago Boulevard	North City Limit	Nohl Ranch Road	61.4	54.2	56.4	63.2	35	75	163	350	755
162	Santiago Boulevard	Wanda Road	Taft Avenue	61.3	54.1	56.3	63.1	35	75	161	346	746
163	Santiago Boulevard	Taft Avenue	Villa Real Drive	59.8	52.7	54.8	61.6	28	59	128	276	594
164	Santiago Boulevard	Villa Real Drive	Lincoln Avenue	60.4	53.2	55.4	62.1	30	64	139	299	645
165	Santiago Canyon Road	Hewes Street	Cannon Street	69.5	60.2	61.4	70.5	108	233	503	1084	2335
166	Santiago Canyon Road	Cannon Street	Orange Park Boul	70.3	61.0	62.2	71.3	122	264	568	1224	2636
167	Santiago Canyon Road	Orange Park Boul	Meads Avenue	69.6	60.4	61.6	70.7	111	239	515	1110	2392
168	Santiago Canyon Road	Meads Avenue	Newport Boulevar	69.5	60.3	61.5	70.6	109	236	508	1094	2358
169	Santiago Canyon Road	Newport Boulevar	Jamboree Road	68.2	59.0	60.2	69.2	89	192	414	891	1920
170	Santiago Canyon Road	Jamboree Road	South City Limit	70.9	61.1	62.0	71.8	132	284	611	1317	2837
171	Serrano Avenue	Cannon Street	Orange Park Boul	62.6	55.4	57.6	64.3	42	90	195	420	905

Appendix C - 7
Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : CNEL

K Factor :
Traffic Desc. (Peak or ADT) : ADT



Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
From	To												
172	Serrano Avenue	Orange Park Boulevard	Apache Creek	20000	40	100	97	2	1	75	8	17	
173	Serrano Avenue	Apache Creek	East City Limit	11800	40	100	97	2	1	75	8	17	
1741	Shaffer Street	La Veta Avenue	Palmyra Avenue	2000	35	100	97	2	1	75	8	17	
174	Shaffer Street	Chapman Avenue	Maple Avenue	5700	35	100	97	2	1	75	8	17	
1742	Shaffer Street	Palm Avenue	Walnut Avenue	7000	35	100	97	2	1	75	8	17	
1743	Shaffer Street	Walnut Avenue	Collins Avenue	10600	35	100	97	2	1	75	8	17	
1744	Shaffer Street	Collins Avenue	Katella Avenue	7000	35	100	97	2	1	75	8	17	
175	Spring Street	Prospect Street	Olympia Way	14000	35	100	97	2	1	75	8	17	
176	Struck Avenue	Katella Avenue	Main Street	9100	40	100	97	2	1	75	8	17	
177	Taft Avenue	West City Limit	Main Street	56400	45	100	97	2	1	75	8	17	
178	Taft Avenue	Main Street	Batavia Street	36700	45	100	97	2	1	75	8	17	
179	Taft Avenue	Batavia Street	Glassell Street	34200	45	100	97	2	1	75	8	17	
180	Taft Avenue	Glassell Street	Cambridge Street	25200	45	100	97	2	1	75	8	17	
181	Taft Avenue	Cambridge Street	Tustin Street	21600	40	100	97	2	1	75	8	17	
182	Taft Avenue	Tustin Street	Santiago Boulevard	15000	40	100	97	2	1	75	8	17	
183	Taft Avenue	Cannon Street	Yurok Street	8300	35	100	97	2	1	75	8	17	
184	The City Drive	Garden Grove Boulevard	SR-22	36000	35	100	97	2	1	75	8	17	
185	The City Drive	SR-22	Metropolitan	46400	35	100	97	2	1	75	8	17	
186	The City Drive	Metropolitan	Chapman Avenue	35600	35	100	97	2	1	75	8	17	
187	The City Drive	Chapman Avenue	North City Limits	35500	35	100	97	2	1	75	8	17	
188	Town & Country Road	Main Street	SR-22	27700	35	100	97	2	1	75	8	17	
189	Town & Country Road	SR-22	Parker Street	15100	35	100	97	2	1	75	8	17	
190	Tustin Street	Fairhaven Avenue	La Veta Avenue	38400	40	100	97	2	1	75	8	17	
191	Tustin Street	La Veta Avenue	Palmyra Avenue	32500	40	100	97	2	1	75	8	17	
192	Tustin Street	Palmyra Avenue	Chapman Avenue	34000	40	100	97	2	1	75	8	17	
193	Tustin Street	Chapman Avenue	Walnut Avenue	49100	40	100	97	2	1	75	8	17	
194	Tustin Street	Walnut Avenue	Mayfair Avenue	41700	40	100	97	2	1	75	8	17	
195	Tustin Street	Mayfair Avenue	Collins Avenue	40300	40	100	97	2	1	75	8	17	
196	Tustin Street	Collins Avenue	Katella Avenue	50900	40	100	97	2	1	75	8	17	
197	Tustin Street	Katella Avenue	Taft Avenue	41000	40	100	97	2	1	75	8	17	

Appendix C - 7
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Metric (Leq, Ldn, CNEL) : CNEL



Segment	Roadway	Segment		Noise Levels, dB CNEL				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
172	Serrano Avenue	Orange Park Boul	Apache Creek	63.6	55.7	57.5	65.1	47	101	218	470	1013
173	Serrano Avenue	Apache Creek	East City Limit	61.3	53.4	55.2	62.8	33	71	153	331	712
1741	Shaffer Street	La Veta Avenue	Palmyra Avenue	51.9	44.8	47.0	53.7	8	18	38	82	177
174	Shaffer Street	Chapman Avenue	Maple Avenue	56.5	49.3	51.5	58.3	17	36	77	165	356
1742	Shaffer Street	Palm Avenue	Walnut Avenue	57.4	50.2	52.4	59.2	19	41	88	189	408
1743	Shaffer Street	Walnut Avenue	Collins Avenue	59.2	52.0	54.2	61.0	25	54	116	250	538
1744	Shaffer Street	Collins Avenue	Katella Avenue	57.4	50.2	52.4	59.2	19	41	88	189	408
175	Spring Street	Prospect Street	Olympia Way	60.4	53.2	55.4	62.2	30	65	140	301	648
176	Struck Avenue	Katella Avenue	Main Street	60.2	52.3	54.1	61.7	28	60	129	278	599
177	Taft Avenue	West City Limit	Main Street	69.6	61.0	62.5	70.8	113	244	527	1135	2445
178	Taft Avenue	Main Street	Batavia Street	67.7	59.1	60.6	69.0	85	184	396	852	1836
179	Taft Avenue	Batavia Street	Glassell Street	67.4	58.8	60.3	68.7	81	175	377	813	1752
180	Taft Avenue	Glassell Street	Cambridge Street	66.1	57.5	59.0	67.3	66	143	308	663	1429
181	Taft Avenue	Cambridge Street	Tustin Street	63.9	56.0	57.8	65.4	49	107	230	495	1066
182	Taft Avenue	Tustin Street	Santiago Boulevard	62.4	54.4	56.2	63.8	39	84	180	388	836
183	Taft Avenue	Cannon Street	Yurok Street	58.1	50.9	53.1	59.9	21	46	99	212	457
184	The City Drive	Garden Grove Bol	SR-22	64.5	57.3	59.5	66.3	56	122	262	564	1216
185	The City Drive	SR-22	Metropolitan	65.6	58.4	60.6	67.4	67	144	310	669	1440
186	The City Drive	Metropolitan	Chapman Avenue	64.4	57.3	59.5	66.2	56	121	260	560	1207
187	The City Drive	Chapman Avenue	North City Limits	64.4	57.3	59.4	66.2	56	120	260	559	1205
188	Town & Country Road	Main Street	SR-22	63.3	56.2	58.4	65.1	47	102	220	474	1021
189	Town & Country Road	SR-22	Parker Street	60.7	53.5	55.7	62.5	32	68	147	316	681
190	Tustin Street	Fairhaven Avenue	La Veta Avenue	66.4	58.5	60.3	67.9	73	156	337	726	1564
191	Tustin Street	La Veta Avenue	Palmyra Avenue	65.7	57.8	59.6	67.2	65	140	302	650	1400
192	Tustin Street	Palmyra Avenue	Chapman Avenue	65.9	58.0	59.8	67.4	67	144	311	669	1442
193	Tustin Street	Chapman Avenue	Walnut Avenue	67.5	59.6	61.4	69.0	86	184	397	855	1843
194	Tustin Street	Walnut Avenue	Mayfair Avenue	66.8	58.9	60.7	68.3	77	165	356	767	1653
195	Tustin Street	Mayfair Avenue	Collins Avenue	66.6	58.7	60.5	68.1	75	162	348	750	1615
196	Tustin Street	Collins Avenue	Katella Avenue	67.7	59.7	61.5	69.1	88	189	407	876	1888
197	Tustin Street	Katella Avenue	Taft Avenue	66.7	58.8	60.6	68.2	76	163	352	758	1634

Appendix C - 8
Traffic Noise Prediction Model, (FHWA RD-77-108)
Model Input Sheet

Project Name : Orange General Plan EIR
Project Number : 08110170.02
Modeling Condition : Future 2030 Plus Project
Ground Type : Soft
Metric (L_{eq}, L_{dn}, CNEL) : CNEL

K Factor :
Traffic Desc. (Peak or ADT) : ADT



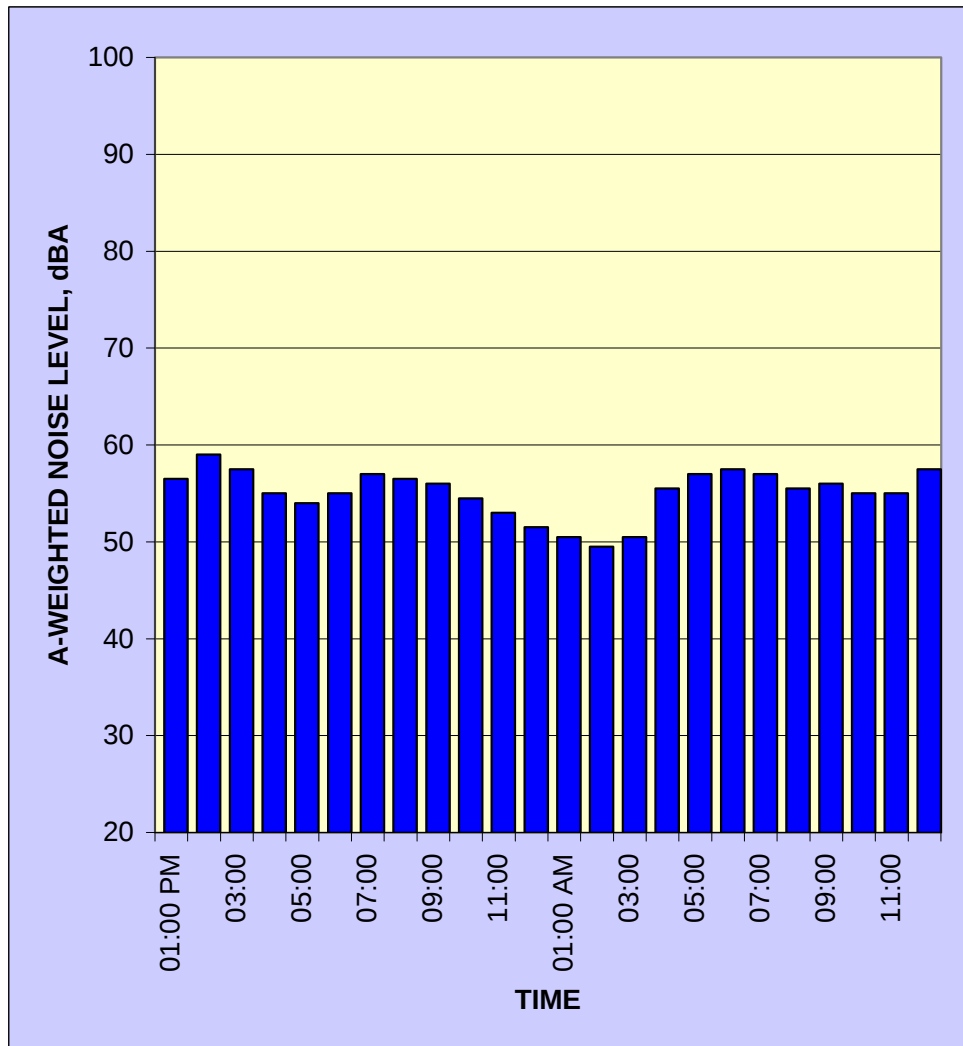
Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
198	Tustin Street	Taft Avenue	Meats Avenue	39900	40	100	97	2	1	75	8	17	
199	Tustin Street	Meats Avenue	Lincoln Avenue	37000	40	100	97	2	1	75	8	17	
200	Tustin Street	Lincoln Avenue	Santa Ana Canyon Road	28400	35	100	97	2	1	75	8	17	
201	Via Escala	Meats Avenue	Cannon Street	4100	35	100	97	2	1	75	8	17	
202	Villa Real Drive	Santiago Boulevard	Chapel Hill	1800	35	100	97	2	1	75	8	17	
203	Walnut Avenue	Main Street	Batavia Street	8700	35	100	97	2	1	75	8	17	
204	Walnut Avenue	Batavia Street	Cypress Street	9400	35	100	97	2	1	75	8	17	
205	Walnut Avenue	Cypress Street	Glassell Street	9600	35	100	97	2	1	75	8	17	
206	Walnut Avenue	Glassell Street	Cambridge Street	8100	35	100	97	2	1	75	8	17	
207	Walnut Avenue	Cambridge Street	Tustin Street	9200	35	100	97	2	1	75	8	17	
208	Walnut Avenue	Tustin Street	Handy Street	10500	30	100	97	2	1	75	8	17	
209	Wanda Road	Collins Avenue	Katella Avenue	15300	40	100	97	2	1	75	8	17	
210	Wanda Road	Katella Avenue	Santiago Boulevard (Vf	27800	35	100	97	2	1	75	8	17	
211	Yorba Street	Fairhaven Avenue	La Veta Avenue	7800	35	100	97	2	1	75	8	17	
212	Yorba Street	La Veta Avenue	Chapman Avenue	11900	35	100	97	2	1	75	8	17	

[illegible]

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 1
 Address: Residential Multi-Family Property Located at 3547 Park Balboa
 Position: Along West Property Line of Side Yard
 Sources: Traffic on 22 Freeway
 Date: November 17 - 18, 2004

TIME	HNL, dB(A)
01:00 - 02:00 PM	56.5
02:00 - 03:00 PM	59.0
03:00 - 04:00 PM	57.5
04:00 - 05:00 PM	55.0
05:00 - 06:00 PM	54.0
06:00 - 07:00 PM	55.0
07:00 - 08:00 PM	57.0
08:00 - 09:00 PM	56.5
09:00 - 10:00 PM	56.0
10:00 - 11:00 PM	54.5
11:00 - 12:00 AM	53.0
12:00 - 01:00 AM	51.5
01:00 - 02:00 AM	50.5
02:00 - 03:00 AM	49.5
03:00 - 04:00 AM	50.5
04:00 - 05:00 AM	55.5
05:00 - 06:00 AM	57.0
06:00 - 07:00 AM	57.5
07:00 - 08:00 AM	57.0
08:00 - 09:00 AM	55.5
09:00 - 10:00 AM	56.0
10:00 - 11:00 AM	55.0
11:00 - 12:00 PM	55.0
12:00 - 01:00 PM	57.5
CNEL, dB(A):	61.4



NOTES:

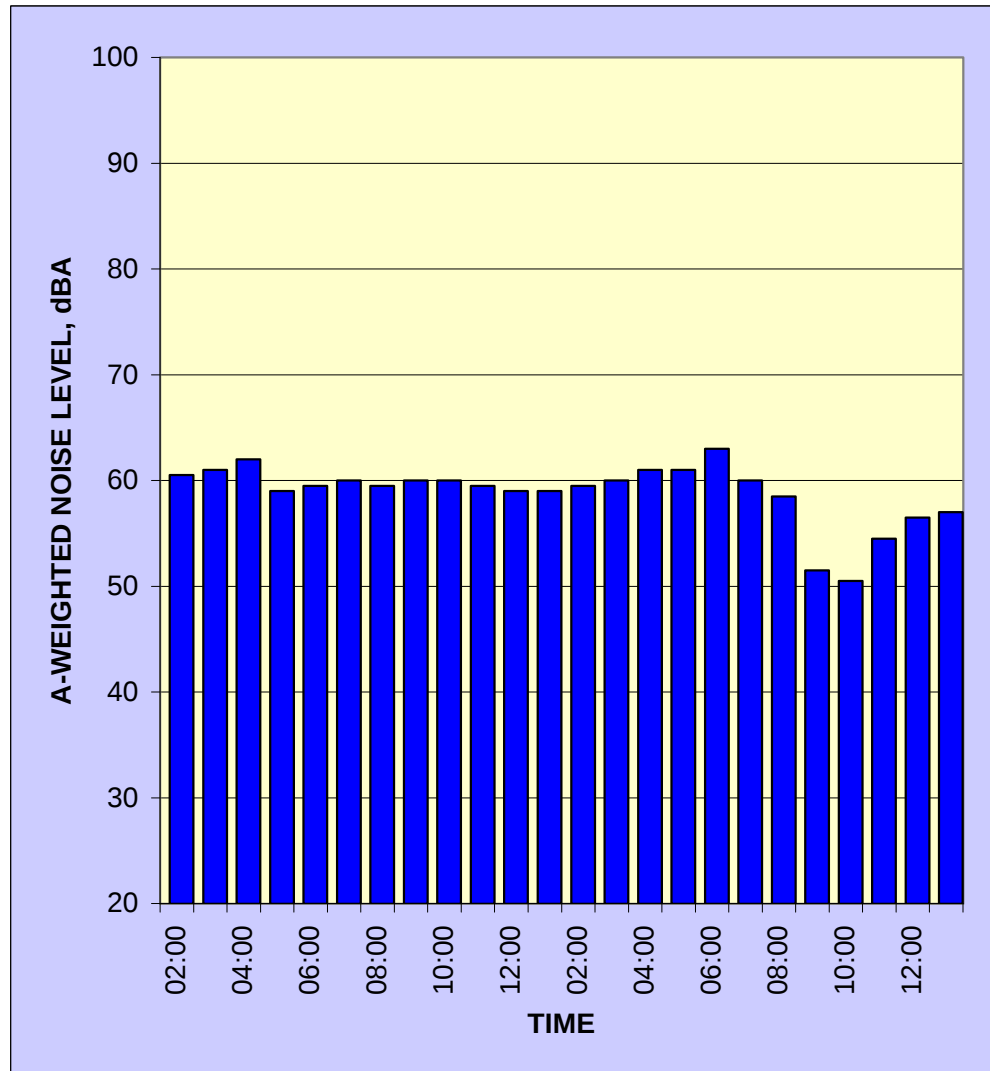
The general noise in the area is attributed to Traffic on the 22 Freeway.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 2
 Address: Park Royal Mobile Home Park Located at 300 Dumaine Street, Space #18
 Position: Along West Property Line of Rear Yard
 Sources: Traffic on 5 Freeway and State College

Date: November 17 - 18, 2004

TIME	HNL, dB(A)
02:00 - 03:00 PM	60.5
03:00 - 04:00 PM	61.0
04:00 - 05:00 PM	62.0
05:00 - 06:00 PM	59.0
06:00 - 07:00 PM	59.5
07:00 - 08:00 PM	60.0
08:00 - 09:00 PM	59.5
09:00 - 10:00 PM	60.0
10:00 - 11:00 PM	60.0
11:00 - 12:00 AM	59.5
12:00 - 01:00 AM	59.0
01:00 - 02:00 AM	59.0
02:00 - 03:00 AM	59.5
03:00 - 04:00 AM	60.0
04:00 - 05:00 AM	61.0
05:00 - 06:00 AM	61.0
06:00 - 07:00 AM	63.0
07:00 - 08:00 AM	60.0
08:00 - 09:00 AM	58.5
09:00 - 10:00 AM	51.5
10:00 - 11:00 AM	50.5
11:00 - 12:00 PM	54.5
12:00 - 01:00 PM	56.5
01:00 - 02:00 PM	57.0
CNEL, dB(A):	66.9



NOTES:

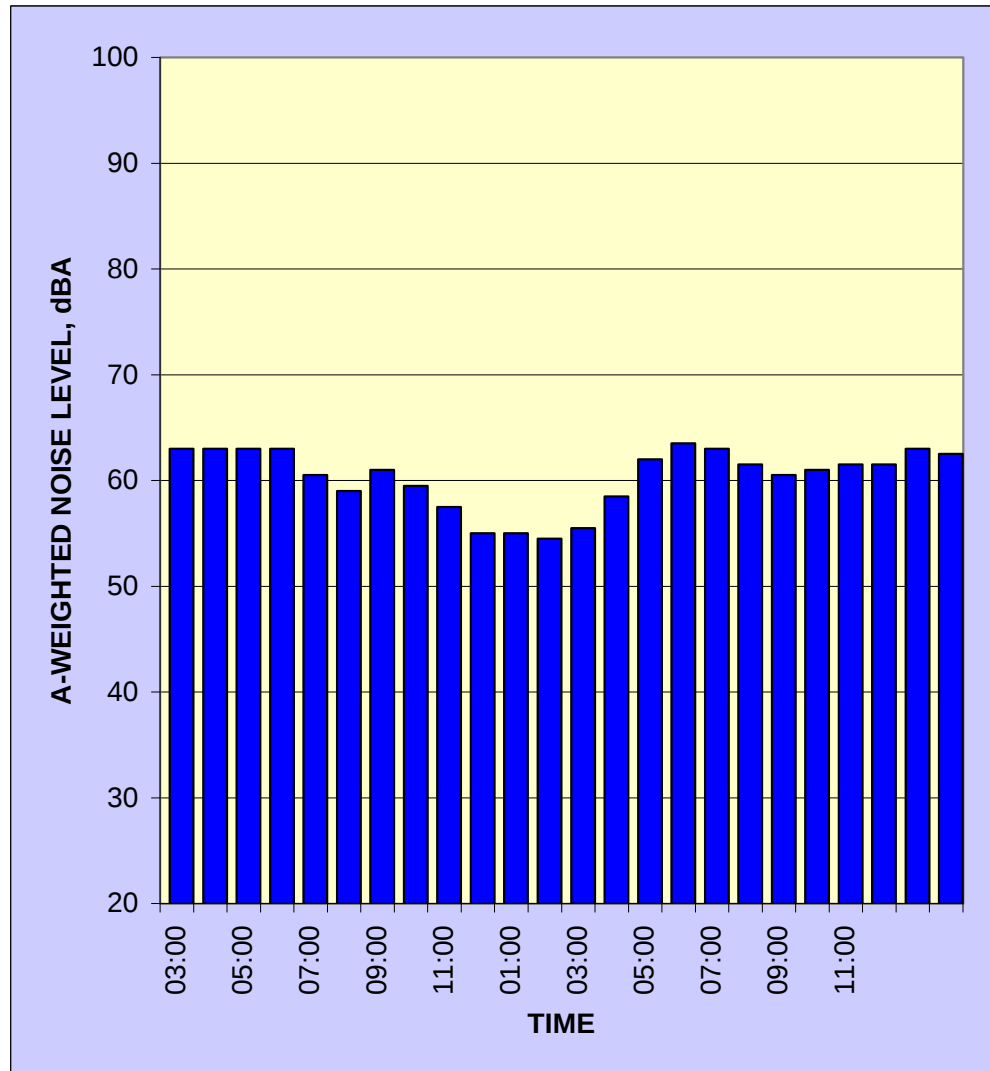
The general noise in the area is attributed to Traffic on the 5 Freeway and State College Blvd.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 4
 Address: Residence Located at 2019 West Chapman Avenue
 Position: Front Yard Facing Chapman Avenue
 Sources: Traffic on Chapman

Date: November 17 - 18, 2004

TIME	HNL, dB(A)
03:00 - 04:00 PM	63.0
04:00 - 05:00 PM	63.0
05:00 - 06:00 PM	63.0
06:00 - 07:00 PM	63.0
07:00 - 08:00 PM	60.5
08:00 - 09:00 PM	59.0
09:00 - 10:00 PM	61.0
10:00 - 11:00 PM	59.5
11:00 - 12:00 AM	57.5
12:00 - 01:00 AM	55.0
01:00 - 02:00 AM	55.0
02:00 - 03:00 AM	54.5
03:00 - 04:00 AM	55.5
04:00 - 05:00 AM	58.5
05:00 - 06:00 AM	62.0
06:00 - 07:00 AM	63.5
07:00 - 08:00 AM	63.0
08:00 - 09:00 AM	61.5
09:00 - 10:00 AM	60.5
10:00 - 11:00 AM	61.0
11:00 - 12:00 PM	61.5
12:00 - 01:00 PM	61.5
01:00 - 02:00 PM	63.0
02:00 - 03:00 PM	62.5
CNEL, dB(A):	66.3



NOTES:

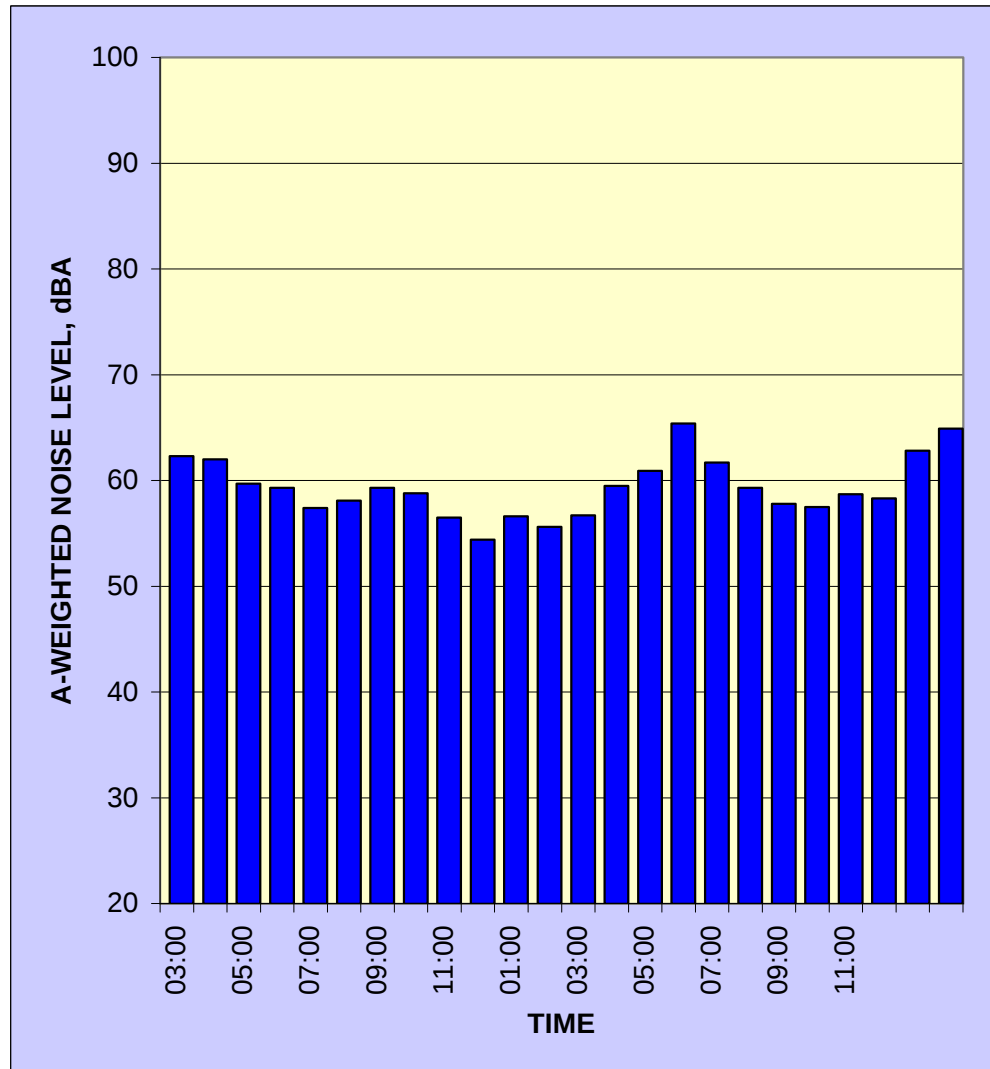
The general noise in the area is attributed to Traffic on Chapman Avenue.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 7
 Address: Retail/Light Industrial Property Located at 1014 Collins Avenue
 Position: Along North Property Line Facing Collins
 Sources: Traffic on Collins

Date: November 18 - 19, 2004

TIME	HNL, dB(A)
03:00 - 04:00 PM	62.3
04:00 - 05:00 PM	62.0
05:00 - 06:00 PM	59.7
06:00 - 07:00 PM	59.3
07:00 - 08:00 PM	57.4
08:00 - 09:00 PM	58.1
09:00 - 10:00 PM	59.3
10:00 - 11:00 PM	58.8
11:00 - 12:00 AM	56.5
12:00 - 01:00 AM	54.4
01:00 - 02:00 AM	56.6
02:00 - 03:00 AM	55.6
03:00 - 04:00 AM	56.7
04:00 - 05:00 AM	59.5
05:00 - 06:00 AM	60.9
06:00 - 07:00 AM	65.4
07:00 - 08:00 AM	61.7
08:00 - 09:00 AM	59.3
09:00 - 10:00 AM	57.8
10:00 - 11:00 AM	57.5
11:00 - 12:00 PM	58.7
12:00 - 01:00 PM	58.3
01:00 - 02:00 PM	62.8
02:00 - 03:00 PM	64.9
CNEL, dB(A):	66.4



NOTES:

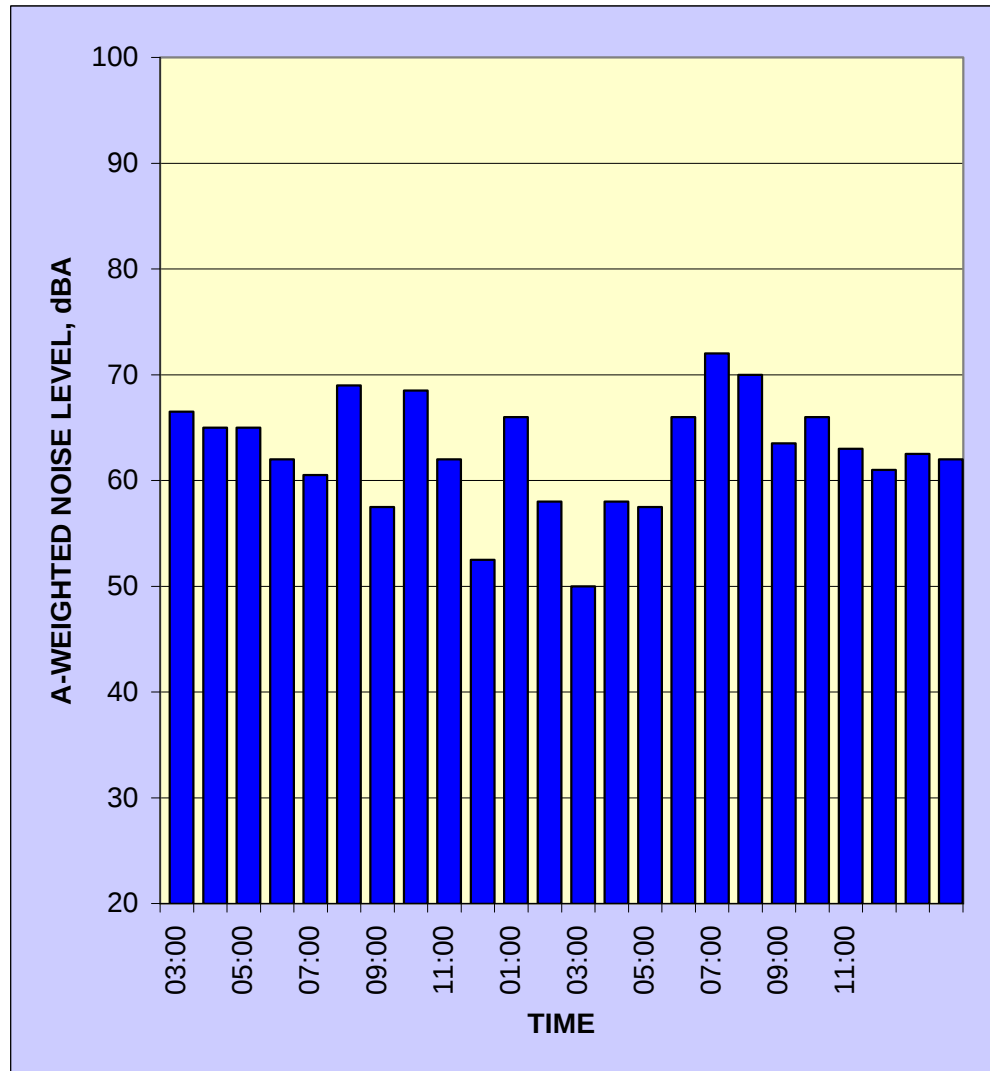
The general noise in the area is attributed to Traffic on Collins Avenue and Parking Lot Operations.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 8
 Address: Multi-Family Residence Located at 535 Chapman Avenue
 Position: Northeast Corner of the Property Facing Train Depot
 Sources: Train Depot and Parking Lot Operations, Traffic on Chapman Avenue

Date: November 18 - 19, 2004

TIME	HNL, dB(A)
03:00 - 04:00 PM	66.5
04:00 - 05:00 PM	65.0
05:00 - 06:00 PM	65.0
06:00 - 07:00 PM	62.0
07:00 - 08:00 PM	60.5
08:00 - 09:00 PM	69.0
09:00 - 10:00 PM	57.5
10:00 - 11:00 PM	68.5
11:00 - 12:00 AM	62.0
12:00 - 01:00 AM	52.5
01:00 - 02:00 AM	66.0
02:00 - 03:00 AM	58.0
03:00 - 04:00 AM	50.0
04:00 - 05:00 AM	58.0
05:00 - 06:00 AM	57.5
06:00 - 07:00 AM	66.0
07:00 - 08:00 AM	72.0
08:00 - 09:00 AM	70.0
09:00 - 10:00 AM	63.5
10:00 - 11:00 AM	66.0
11:00 - 12:00 PM	63.0
12:00 - 01:00 PM	61.0
01:00 - 02:00 PM	62.5
02:00 - 03:00 PM	62.0
CNEL, dB(A):	70.5



NOTES:

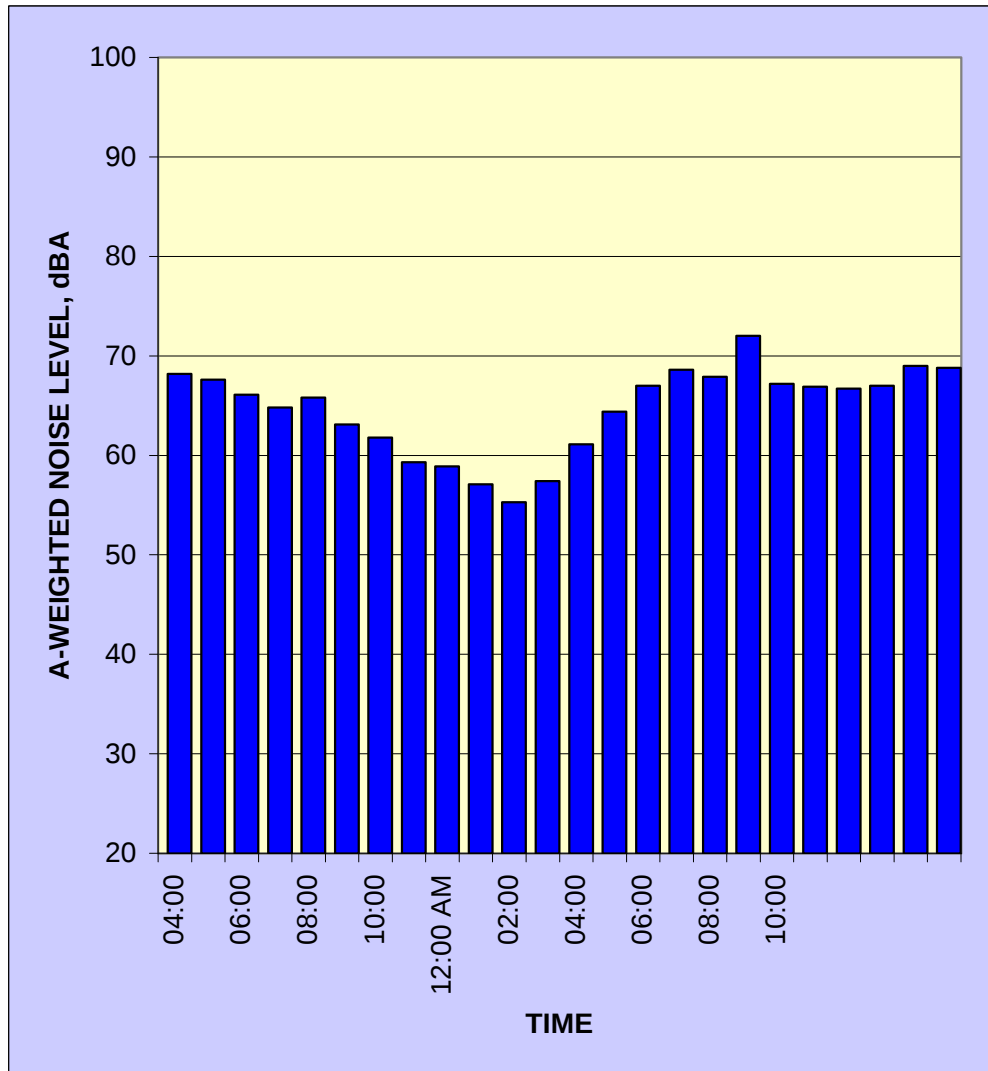
The general noise in the area is attributed to Train Depot and Parking Lot Operations, as well as Traffic on Chapman Avenue.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 9
 Address: Saint Joseph Center Residence Hall Exterior Façade at 480 South Batavia Avenue
 Position: South Building Façade and Outdoor Space
 Sources: Traffic on La Veta

Date: November 17 - 18, 2004

TIME	HNL, dB(A)
04:00 - 05:00 PM	68.2
05:00 - 06:00 PM	67.6
06:00 - 07:00 PM	66.1
07:00 - 08:00 PM	64.8
08:00 - 09:00 PM	65.8
09:00 - 10:00 PM	63.1
10:00 - 11:00 PM	61.8
11:00 - 12:00 AM	59.3
12:00 - 01:00 AM	58.9
01:00 - 02:00 AM	57.1
02:00 - 03:00 AM	55.3
03:00 - 04:00 AM	57.4
04:00 - 05:00 AM	61.1
05:00 - 06:00 AM	64.4
06:00 - 07:00 AM	67.0
07:00 - 08:00 AM	68.6
08:00 - 09:00 AM	67.9
09:00 - 10:00 AM	72.0
10:00 - 11:00 AM	67.2
11:00 - 12:00 PM	66.9
12:00 - 01:00 PM	66.7
01:00 - 02:00 PM	67.0
02:00 - 03:00 PM	69.0
03:00 - 04:00 PM	68.8
CNEL, dB(A):	70.1



NOTES:

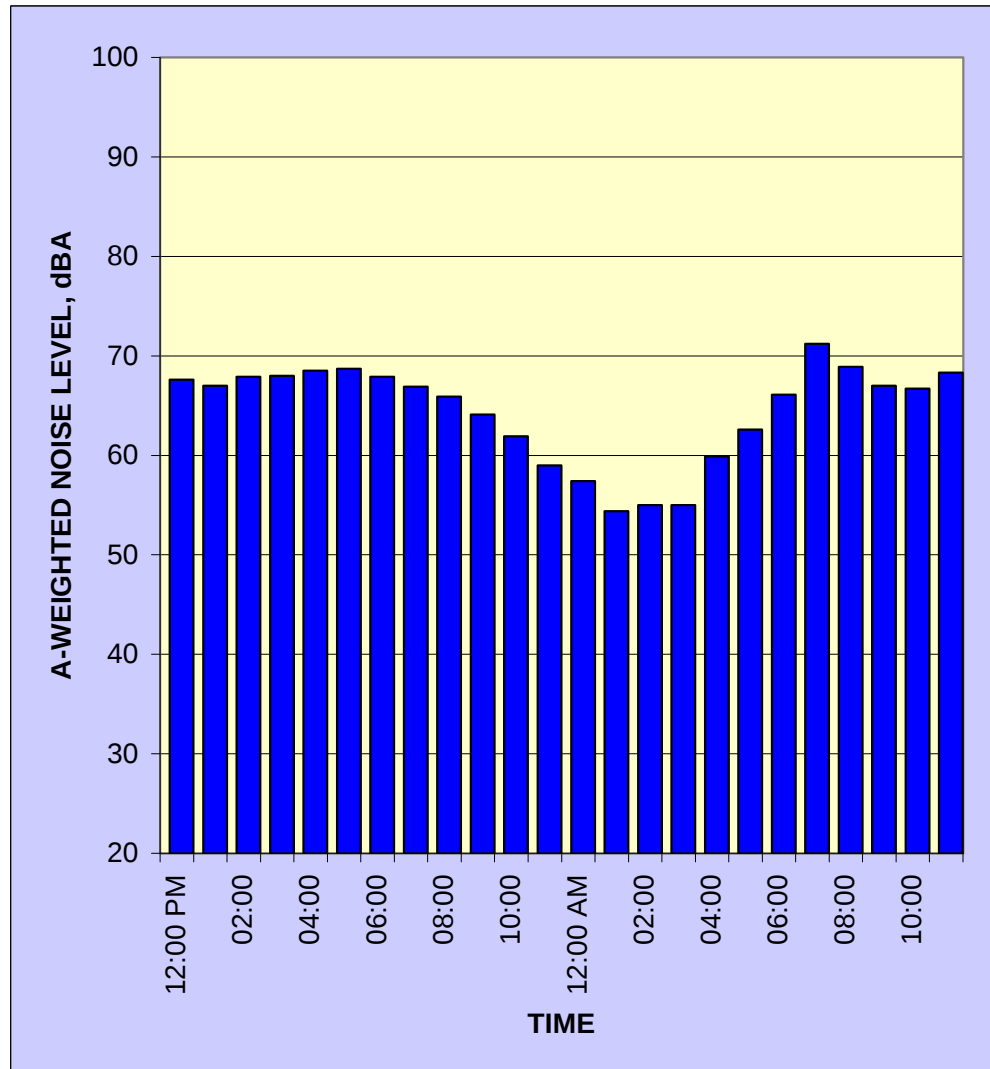
The general noise in the area is attributed to Traffic on La Veta, Batavia, and the 22 Freeway.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 12
 Address: Residence at 1110 East Meats
 Position: Front Yard Facing Meats and Driving Range, 30-feet to curb, at east property line.
 Sources: Traffic on Meats.

Date: November 18 - 19, 2004

TIME	HNL, dB(A)
12:00 - 01:00 PM	67.6
01:00 - 02:00 PM	67.0
02:00 - 03:00 PM	67.9
03:00 - 04:00 PM	68.0
04:00 - 05:00 PM	68.5
05:00 - 06:00 PM	68.7
06:00 - 07:00 PM	67.9
07:00 - 08:00 PM	66.9
08:00 - 09:00 PM	65.9
09:00 - 10:00 PM	64.1
10:00 - 11:00 PM	61.9
11:00 - 12:00 AM	59.0
12:00 - 01:00 AM	57.4
01:00 - 02:00 AM	54.4
02:00 - 03:00 AM	55.0
03:00 - 04:00 AM	55.0
04:00 - 05:00 AM	59.9
05:00 - 06:00 AM	62.6
06:00 - 07:00 AM	66.1
07:00 - 08:00 AM	71.2
08:00 - 09:00 AM	68.9
09:00 - 10:00 AM	67.0
10:00 - 11:00 AM	66.7
11:00 - 12:00 PM	68.3
CNEL, dB(A):	69.7



NOTES:

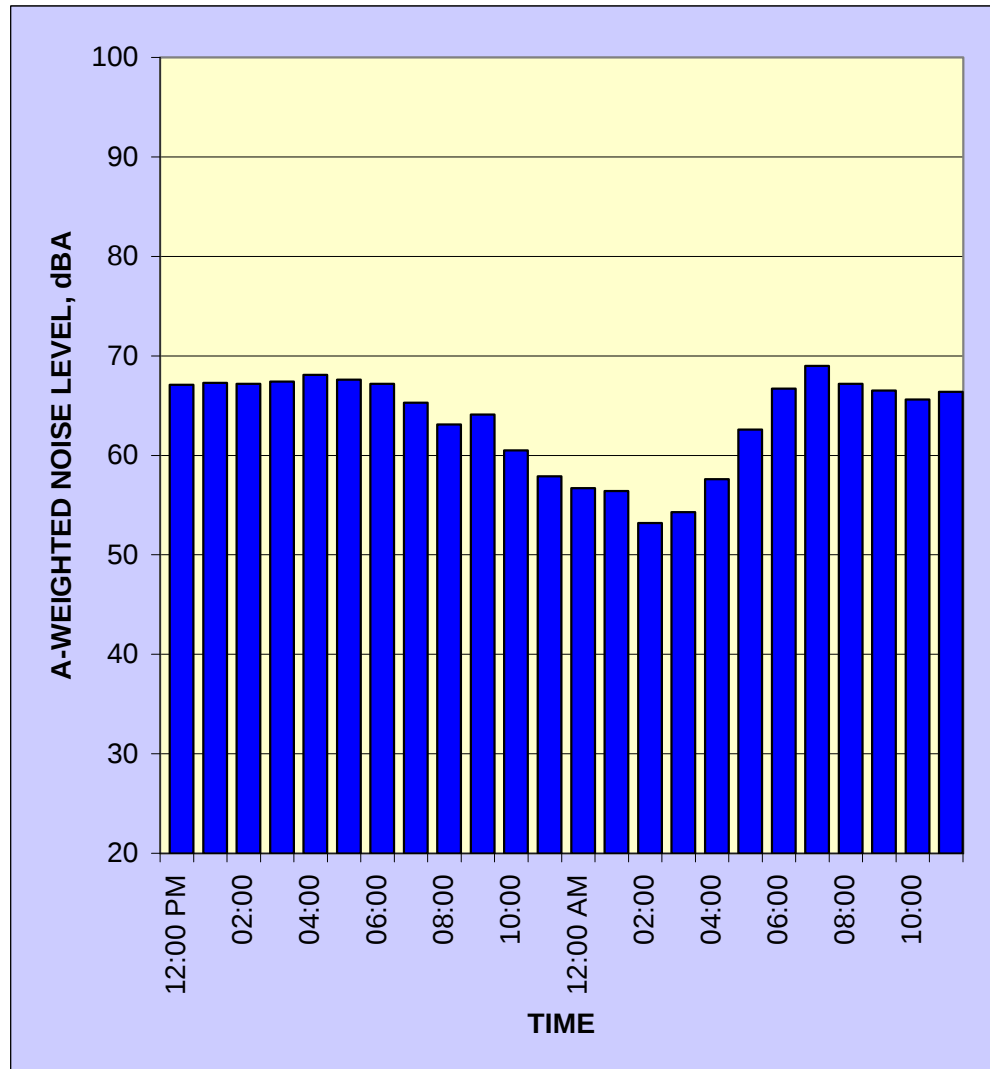
The general noise in the area is attributed to traffic on East Meats.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 13
 Address: 534 Taft, Jehovahs Kingdom Property
 Position: Front Yard Facing Taft, 28-feet to curb, 20-feet to east property line.
 Sources: Traffic on Taft

Date: November 18 - 19, 2004

TIME	HNL, dB(A)
12:00 - 01:00 PM	67.1
01:00 - 02:00 PM	67.3
02:00 - 03:00 PM	67.2
03:00 - 04:00 PM	67.4
04:00 - 05:00 PM	68.1
05:00 - 06:00 PM	67.6
06:00 - 07:00 PM	67.2
07:00 - 08:00 PM	65.3
08:00 - 09:00 PM	63.1
09:00 - 10:00 PM	64.1
10:00 - 11:00 PM	60.5
11:00 - 12:00 AM	57.9
12:00 - 01:00 AM	56.7
01:00 - 02:00 AM	56.4
02:00 - 03:00 AM	53.2
03:00 - 04:00 AM	54.3
04:00 - 05:00 AM	57.6
05:00 - 06:00 AM	62.6
06:00 - 07:00 AM	66.7
07:00 - 08:00 AM	69.0
08:00 - 09:00 AM	67.2
09:00 - 10:00 AM	66.5
10:00 - 11:00 AM	65.6
11:00 - 12:00 PM	66.4
CNEL, dB(A):	69.0



NOTES:

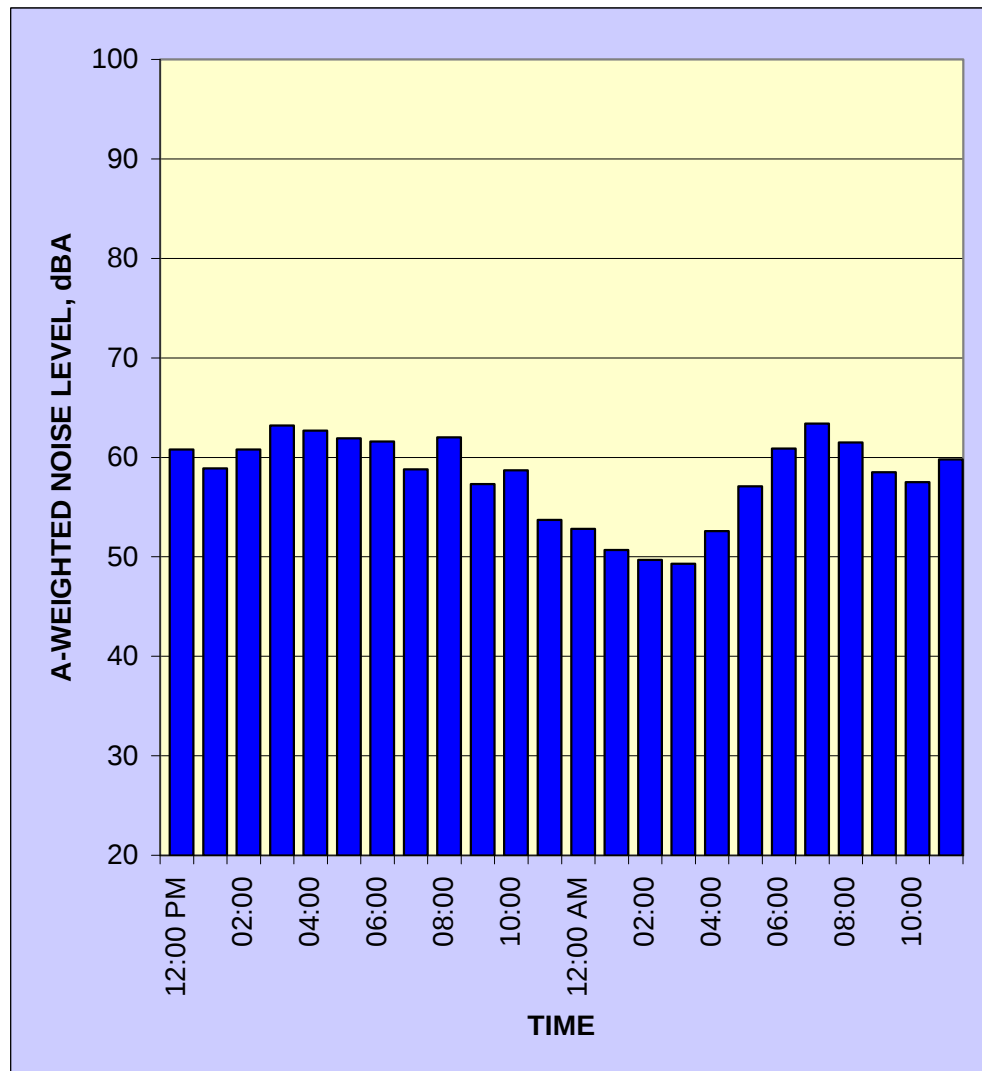
The general noise in the area is attributed to the constant traffic flow on Taft.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 16
 Address: Residence at 526 Shaffer
 Position: Front Yard Facing Shaffer and Orange High School
 Sources: Traffic on Shaffer and School Activities

Date: December 13 - 14, 2004

TIME	HNL, dB(A)
12:00 - 01:00 PM	60.8
01:00 - 02:00 PM	58.9
02:00 - 03:00 PM	60.8
03:00 - 04:00 PM	63.2
04:00 - 05:00 PM	62.7
05:00 - 06:00 PM	61.9
06:00 - 07:00 PM	61.6
07:00 - 08:00 PM	58.8
08:00 - 09:00 PM	62.0
09:00 - 10:00 PM	57.3
10:00 - 11:00 PM	58.7
11:00 - 12:00 AM	53.7
12:00 - 01:00 AM	52.8
01:00 - 02:00 AM	50.7
02:00 - 03:00 AM	49.7
03:00 - 04:00 AM	49.3
04:00 - 05:00 AM	52.6
05:00 - 06:00 AM	57.1
06:00 - 07:00 AM	60.9
07:00 - 08:00 AM	63.4
08:00 - 09:00 AM	61.5
09:00 - 10:00 AM	58.5
10:00 - 11:00 AM	57.5
11:00 - 12:00 PM	59.8
CNEL, dB(A):	63.9



NOTES:

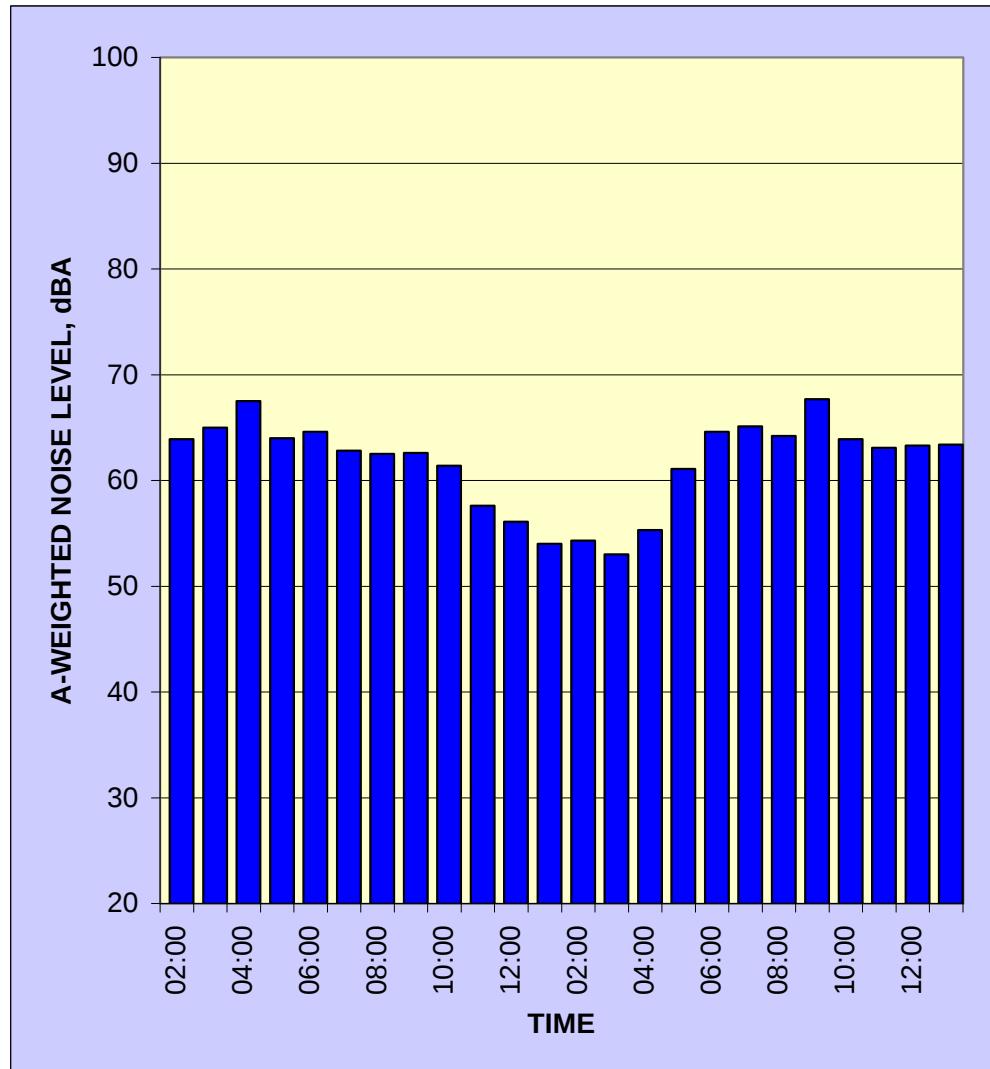
The general noise in the area is attributed to traffic on Shaffer and activities at Orange High School

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 17
 Address: Orange Circle
 Position: Approximately 20-feet South of Fountain, 60-feet North of the Curb
 Sources: Traffic on Chapman Avenue and Glassell

Date: November 22 - 23, 2004

TIME	HNL, dB(A)
02:00 - 03:00 PM	63.9
03:00 - 04:00 PM	65.0
04:00 - 05:00 PM	67.5
05:00 - 06:00 PM	64.0
06:00 - 07:00 PM	64.6
07:00 - 08:00 PM	62.8
08:00 - 09:00 PM	62.5
09:00 - 10:00 PM	62.6
10:00 - 11:00 PM	61.4
11:00 - 12:00 AM	57.6
12:00 - 01:00 AM	56.1
01:00 - 02:00 AM	54.0
02:00 - 03:00 AM	54.3
03:00 - 04:00 AM	53.0
04:00 - 05:00 AM	55.3
05:00 - 06:00 AM	61.1
06:00 - 07:00 AM	64.6
07:00 - 08:00 AM	65.1
08:00 - 09:00 AM	64.2
09:00 - 10:00 AM	67.7
10:00 - 11:00 AM	63.9
11:00 - 12:00 PM	63.1
12:00 - 01:00 PM	63.3
01:00 - 02:00 PM	63.4
CNEL, dB(A):	67.4



NOTES:

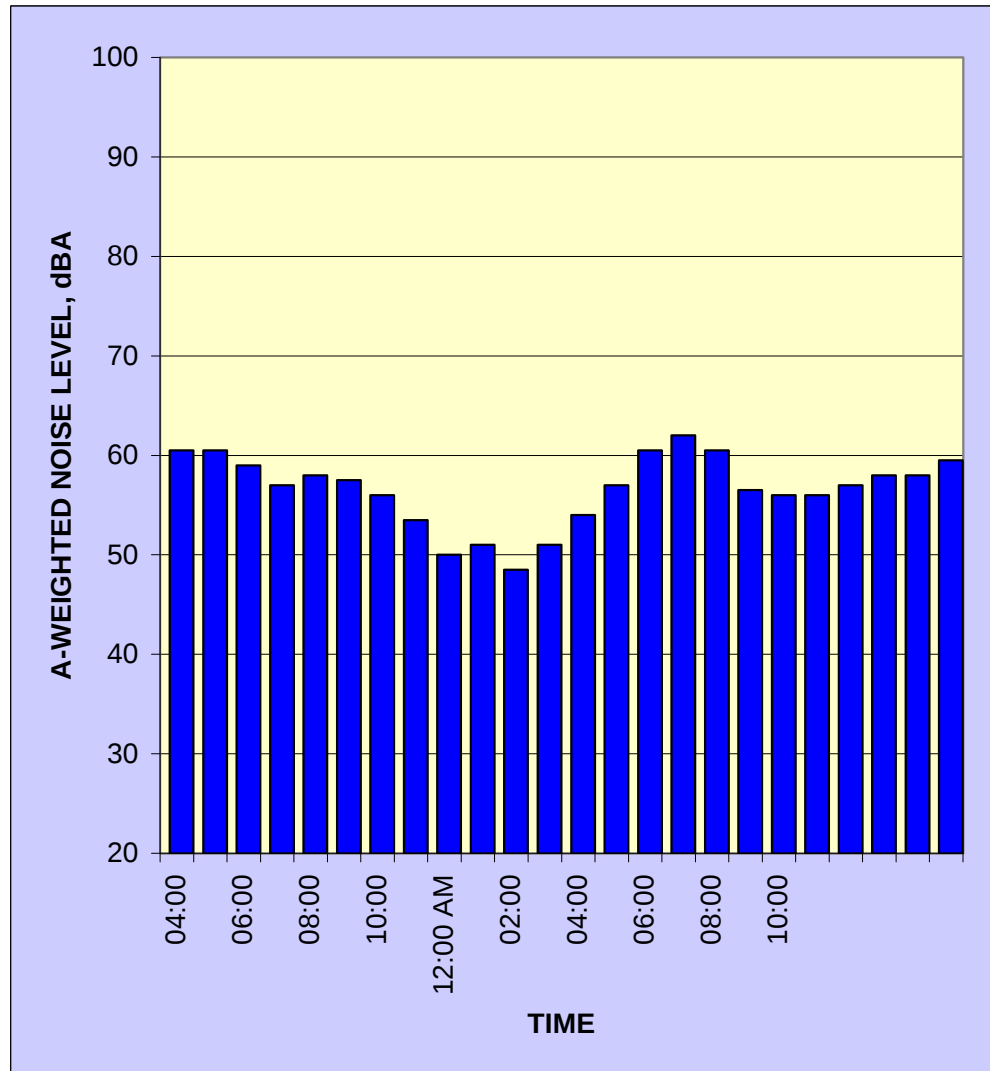
The general noise in the area is attributed to Traffic on the Chapman Avenue and Glassell.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 18
 Address: Residence Located at 572 South Cambridge
 Position: Front Yard Facing Cambridge
 Sources: Traffic on Cambridge

Date: November 17 - 18, 2004

TIME	HNL, dB(A)
04:00 - 05:00 PM	60.5
05:00 - 06:00 PM	60.5
06:00 - 07:00 PM	59.0
07:00 - 08:00 PM	57.0
08:00 - 09:00 PM	58.0
09:00 - 10:00 PM	57.5
10:00 - 11:00 PM	56.0
11:00 - 12:00 AM	53.5
12:00 - 01:00 AM	50.0
01:00 - 02:00 AM	51.0
02:00 - 03:00 AM	48.5
03:00 - 04:00 AM	51.0
04:00 - 05:00 AM	54.0
05:00 - 06:00 AM	57.0
06:00 - 07:00 AM	60.5
07:00 - 08:00 AM	62.0
08:00 - 09:00 AM	60.5
09:00 - 10:00 AM	56.5
10:00 - 11:00 AM	56.0
11:00 - 12:00 PM	56.0
12:00 - 01:00 PM	57.0
01:00 - 02:00 PM	58.0
02:00 - 03:00 PM	58.0
03:00 - 04:00 PM	59.5
CNEL, dB(A):	62.7



NOTES:

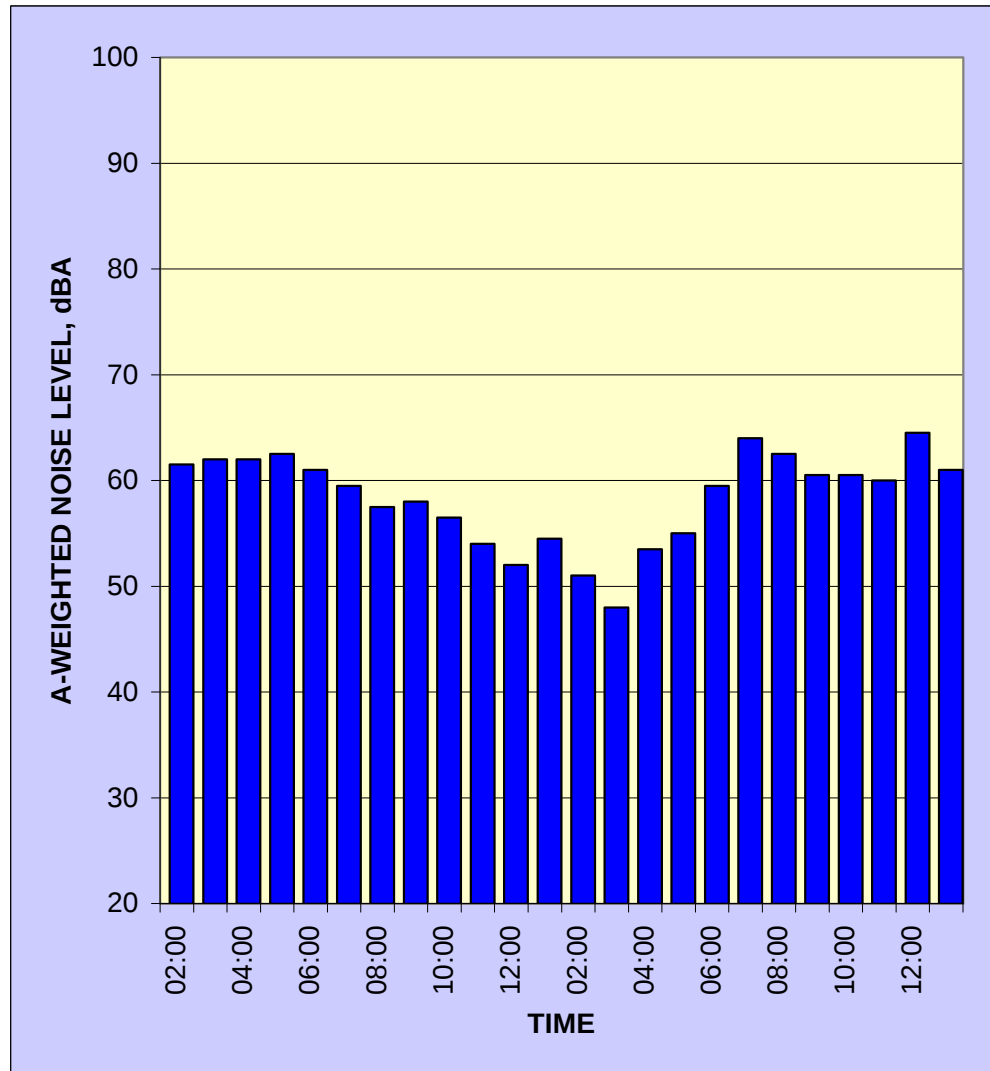
The general noise in the area is attributed to Traffic on South Cambridge.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 19
 Address: Residence at 4040 East La Veta
 Position: Along North Property Line Facing La Veta
 Sources: Traffic on La Veta and Esplanade

Date: November 22 - 23, 2004

TIME	HNL, dB(A)
02:00 - 03:00 PM	61.5
03:00 - 04:00 PM	62.0
04:00 - 05:00 PM	62.0
05:00 - 06:00 PM	62.5
06:00 - 07:00 PM	61.0
07:00 - 08:00 PM	59.5
08:00 - 09:00 PM	57.5
09:00 - 10:00 PM	58.0
10:00 - 11:00 PM	56.5
11:00 - 12:00 AM	54.0
12:00 - 01:00 AM	52.0
01:00 - 02:00 AM	54.5
02:00 - 03:00 AM	51.0
03:00 - 04:00 AM	48.0
04:00 - 05:00 AM	53.5
05:00 - 06:00 AM	55.0
06:00 - 07:00 AM	59.5
07:00 - 08:00 AM	64.0
08:00 - 09:00 AM	62.5
09:00 - 10:00 AM	60.5
10:00 - 11:00 AM	60.5
11:00 - 12:00 PM	60.0
12:00 - 01:00 PM	64.5
01:00 - 02:00 PM	61.0
CNEL, dB(A):	63.5



NOTES:

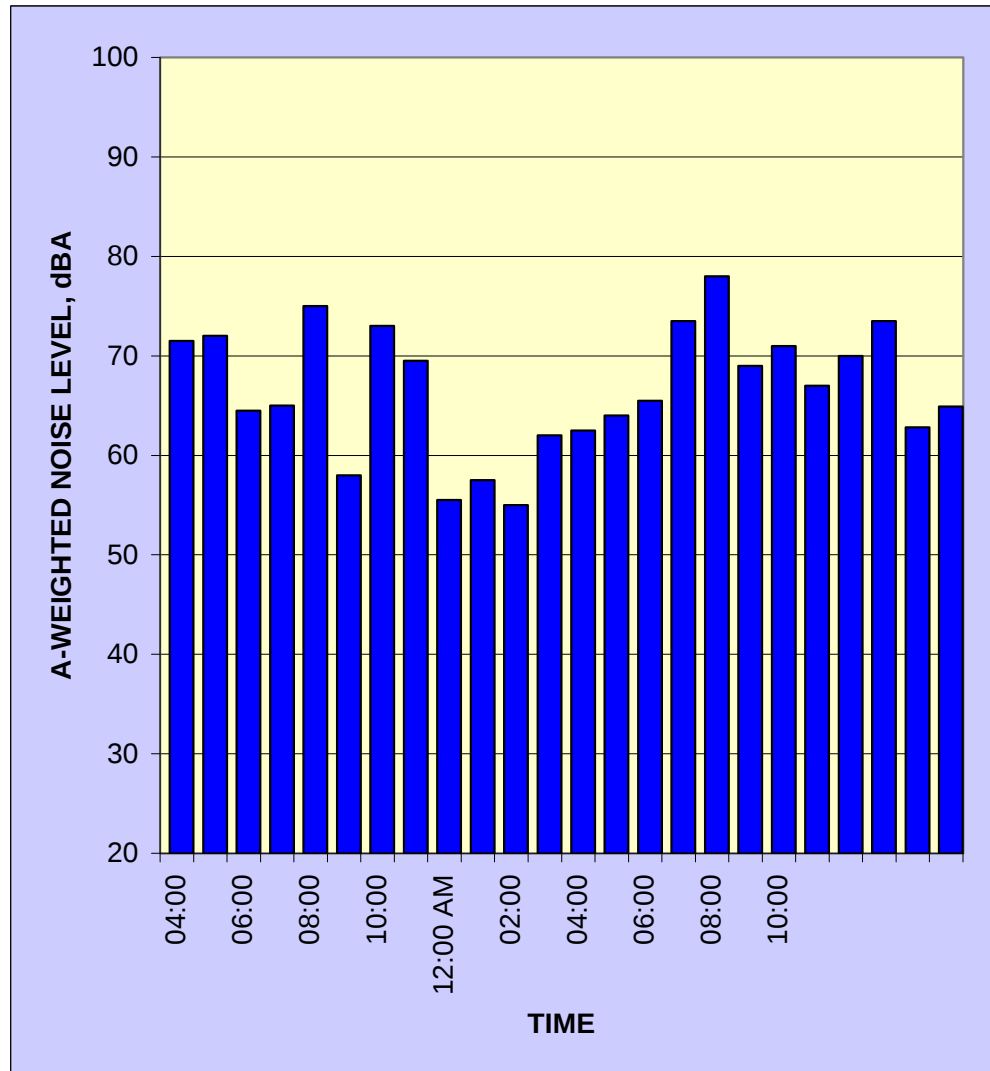
The general noise in the area is attributed to Traffic on the La Veta and Esplanade

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 20
 Address: Industrial Property Located at 631 Batavia 1014 Street, Orange Coast Masonry
 Position: Near Northwest Property Line Facing Batavia and Railroad Tracks
 Sources: Traffic on Batavia and Train Movements

Date: November 18 - 19, 2004

TIME	HNL, dB(A)
04:00 - 05:00 PM	71.5
05:00 - 06:00 PM	72.0
06:00 - 07:00 PM	64.5
07:00 - 08:00 PM	65.0
08:00 - 09:00 PM	75.0
09:00 - 10:00 PM	58.0
10:00 - 11:00 PM	73.0
11:00 - 12:00 AM	69.5
12:00 - 01:00 AM	55.5
01:00 - 02:00 AM	57.5
02:00 - 03:00 AM	55.0
03:00 - 04:00 AM	62.0
04:00 - 05:00 AM	62.5
05:00 - 06:00 AM	64.0
06:00 - 07:00 AM	65.5
07:00 - 08:00 AM	73.5
08:00 - 09:00 AM	78.0
09:00 - 10:00 AM	69.0
10:00 - 11:00 AM	71.0
11:00 - 12:00 PM	67.0
12:00 - 01:00 PM	70.0
01:00 - 02:00 PM	73.5
02:00 - 03:00 PM	62.8
03:00 - 04:00 PM	64.9
CNEL, dB(A):	74.6



NOTES:

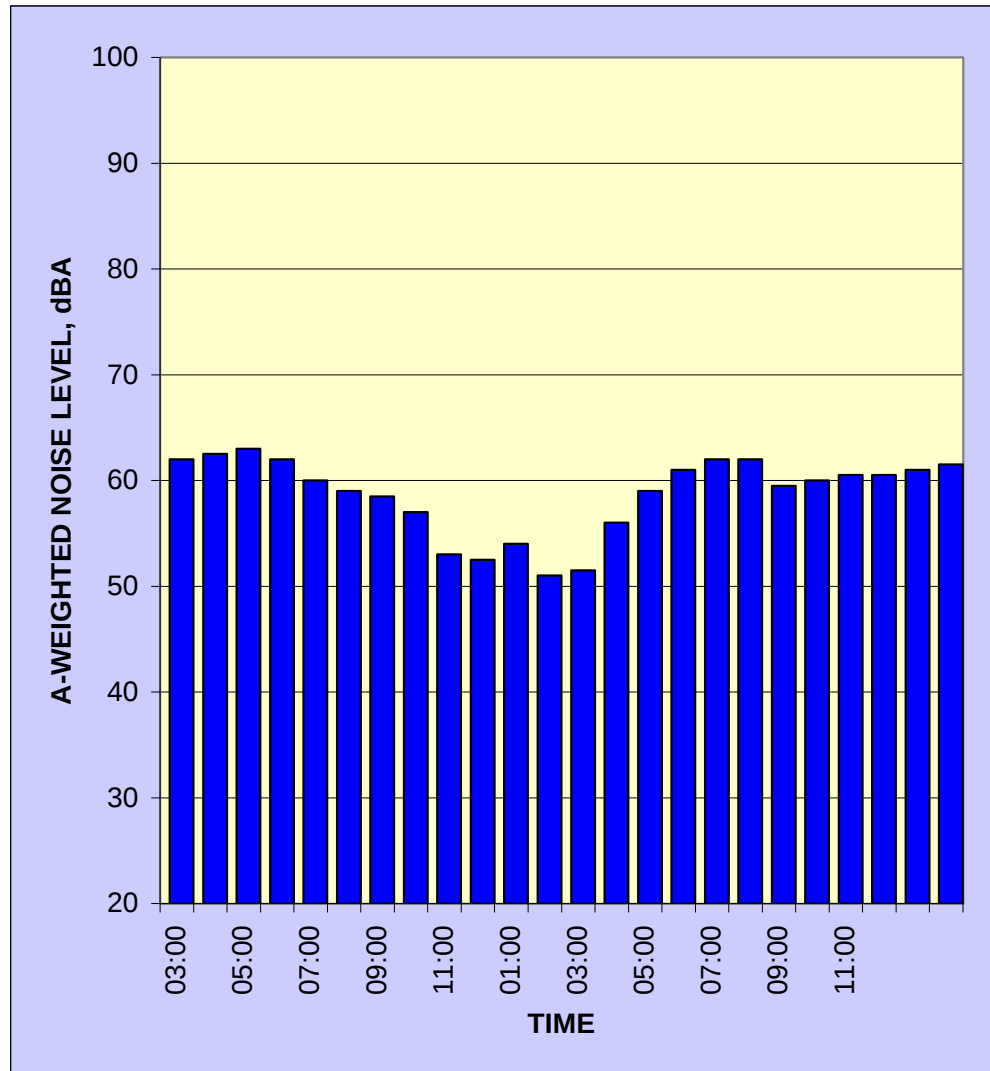
The general noise in the area is attributed to Traffic on Batavia and Train Movements.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 21
 Address: Multi-Family Residence Located at 873 North Glassell Street
 Position: Rear Yard Facing Intersection of Glassell and Collins
 Sources: Traffic on Glassell and Collins

Date: November 18 - 19, 2004

TIME	HNL, dB(A)
03:00 - 04:00 PM	62.0
04:00 - 05:00 PM	62.5
05:00 - 06:00 PM	63.0
06:00 - 07:00 PM	62.0
07:00 - 08:00 PM	60.0
08:00 - 09:00 PM	59.0
09:00 - 10:00 PM	58.5
10:00 - 11:00 PM	57.0
11:00 - 12:00 AM	53.0
12:00 - 01:00 AM	52.5
01:00 - 02:00 AM	54.0
02:00 - 03:00 AM	51.0
03:00 - 04:00 AM	51.5
04:00 - 05:00 AM	56.0
05:00 - 06:00 AM	59.0
06:00 - 07:00 AM	61.0
07:00 - 08:00 AM	62.0
08:00 - 09:00 AM	62.0
09:00 - 10:00 AM	59.5
10:00 - 11:00 AM	60.0
11:00 - 12:00 PM	60.5
12:00 - 01:00 PM	60.5
01:00 - 02:00 PM	61.0
02:00 - 03:00 PM	61.5
CNEL, dB(A):	64.2



NOTES:

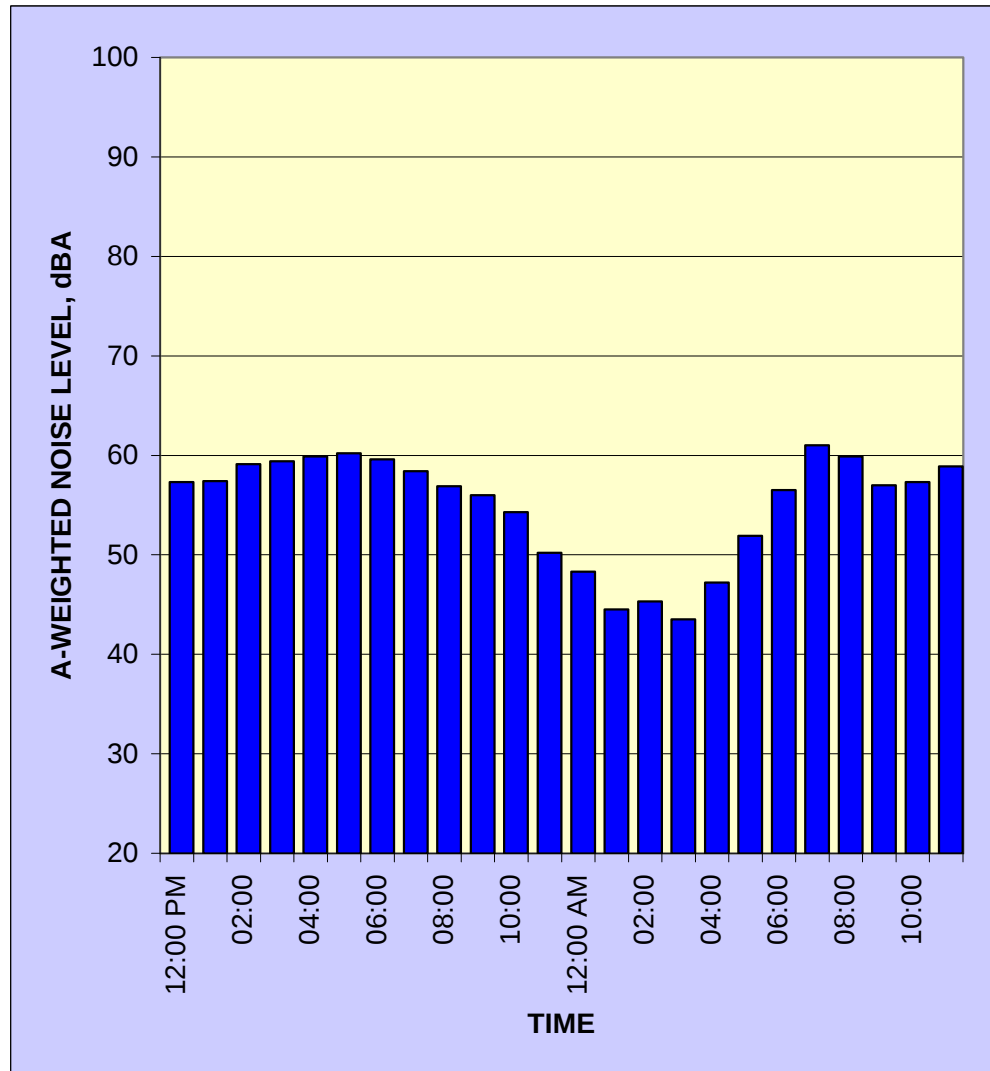
The general noise in the area is attributed to traffic on Glassell and Collins.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 23
 Address: Residence at 3608 Shallow Brook Lane
 Position: Rear Yard Facing Block Wall Separating Private Property and Meats
 Sources: Traffic on Meats.

Date: November 18 - 19, 2004

TIME	HNL, dB(A)
12:00 - 01:00 PM	57.3
01:00 - 02:00 PM	57.4
02:00 - 03:00 PM	59.1
03:00 - 04:00 PM	59.4
04:00 - 05:00 PM	59.9
05:00 - 06:00 PM	60.2
06:00 - 07:00 PM	59.6
07:00 - 08:00 PM	58.4
08:00 - 09:00 PM	56.9
09:00 - 10:00 PM	56.0
10:00 - 11:00 PM	54.3
11:00 - 12:00 AM	50.2
12:00 - 01:00 AM	48.3
01:00 - 02:00 AM	44.5
02:00 - 03:00 AM	45.3
03:00 - 04:00 AM	43.5
04:00 - 05:00 AM	47.2
05:00 - 06:00 AM	51.9
06:00 - 07:00 AM	56.5
07:00 - 08:00 AM	61.0
08:00 - 09:00 AM	59.9
09:00 - 10:00 AM	57.0
10:00 - 11:00 AM	57.3
11:00 - 12:00 PM	58.9
CNEL, dB(A):	60.4



NOTES:

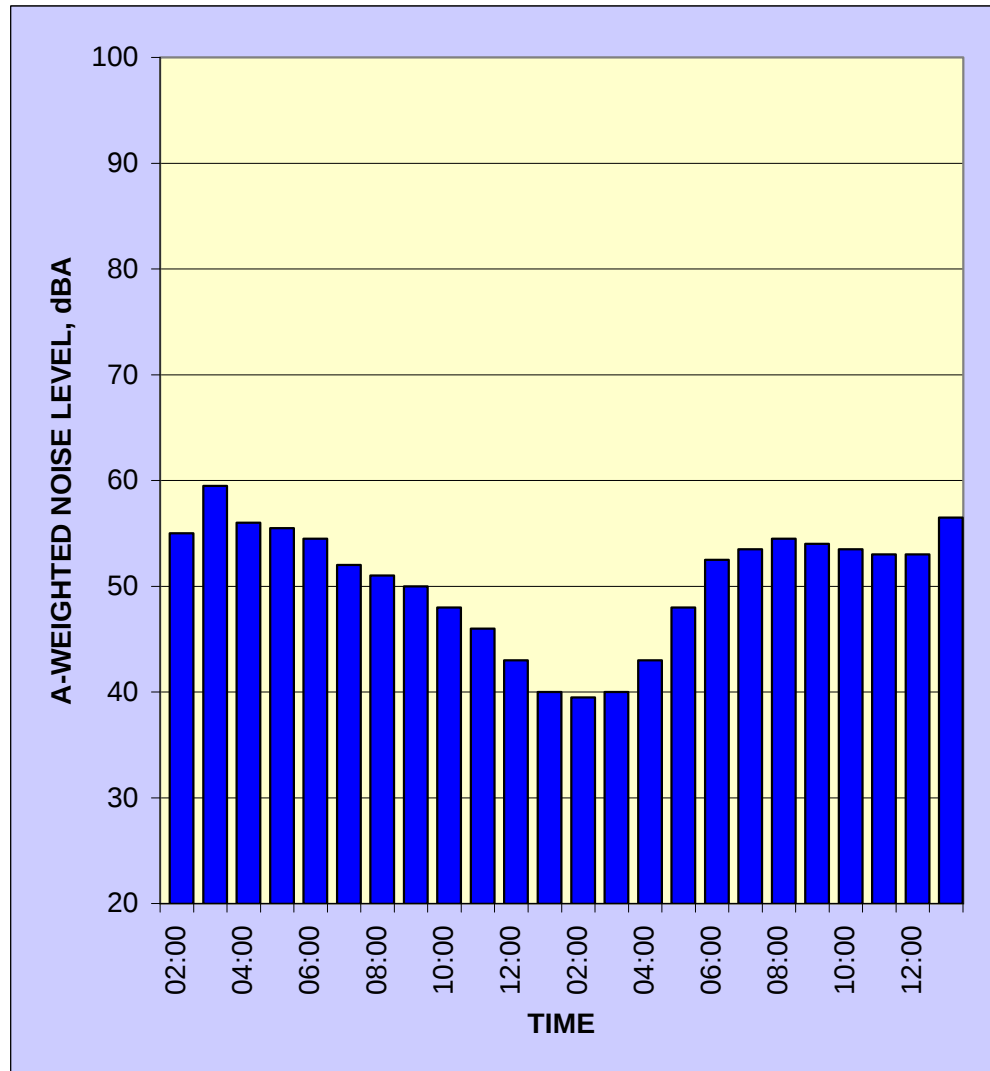
The general noise in the area is attributed to traffic on East Meats.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 24
 Address: Residence at 1840 North Carlsbad Street
 Position: Rear Yard Facing Cannon Street
 Sources: Traffic on Cannon Street

Date: November 22 - 23, 2004

TIME	HNL, dB(A)
02:00 - 03:00 PM	55.0
03:00 - 04:00 PM	59.5
04:00 - 05:00 PM	56.0
05:00 - 06:00 PM	55.5
06:00 - 07:00 PM	54.5
07:00 - 08:00 PM	52.0
08:00 - 09:00 PM	51.0
09:00 - 10:00 PM	50.0
10:00 - 11:00 PM	48.0
11:00 - 12:00 AM	46.0
12:00 - 01:00 AM	43.0
01:00 - 02:00 AM	40.0
02:00 - 03:00 AM	39.5
03:00 - 04:00 AM	40.0
04:00 - 05:00 AM	43.0
05:00 - 06:00 AM	48.0
06:00 - 07:00 AM	52.5
07:00 - 08:00 AM	53.5
08:00 - 09:00 AM	54.5
09:00 - 10:00 AM	54.0
10:00 - 11:00 AM	53.5
11:00 - 12:00 PM	53.0
12:00 - 01:00 PM	53.0
01:00 - 02:00 PM	56.5
CNEL, dB(A):	55.9



NOTES:

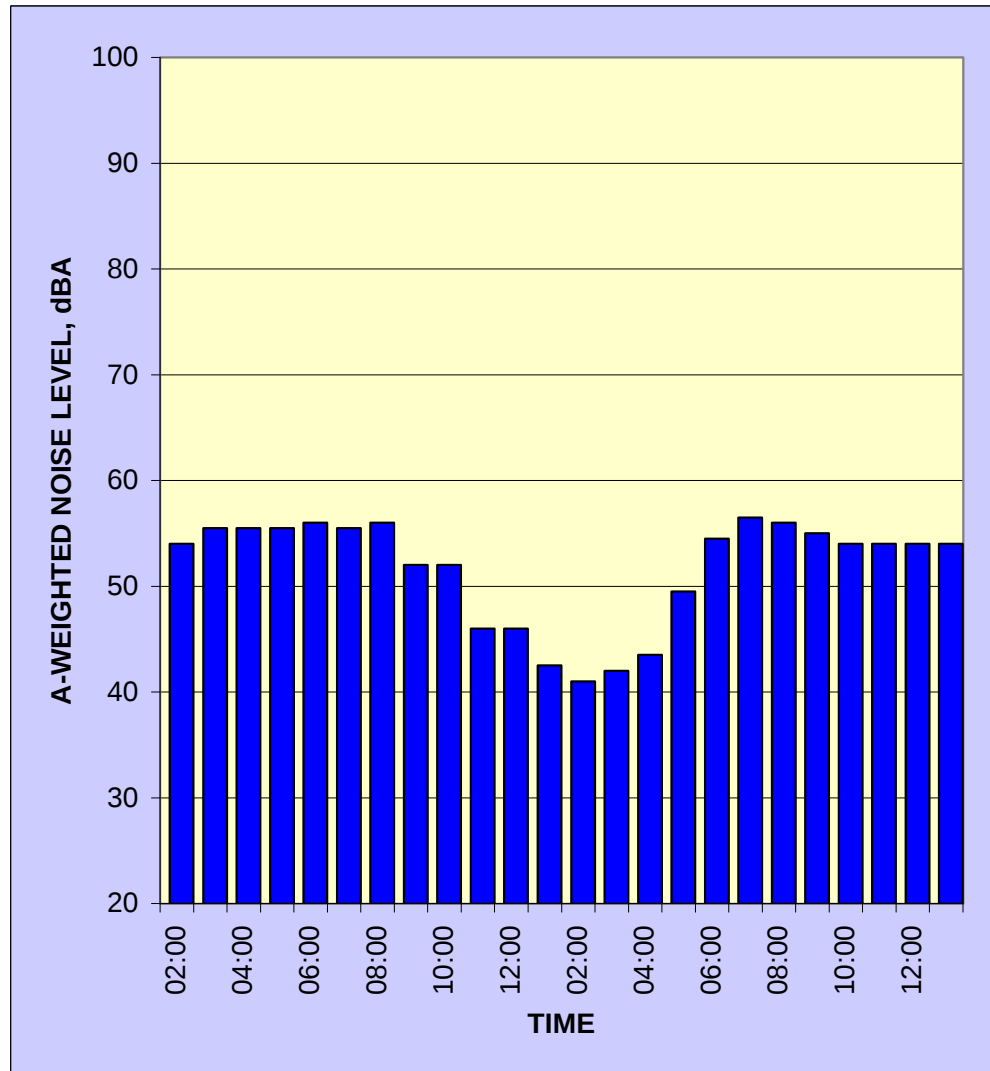
The general noise in the area is attributed to Traffic on the Cannon Street

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 25
 Address: Residence at 7741 Teal Lane
 Position: Rear Yard Facing the Intersection of East Chapman Avenue and Newport Blvd
 Sources: Traffic on Chapman and Newport.

Date: November 22 - 23, 2004

TIME	HNL, dB(A)
02:00 - 03:00 PM	54.0
03:00 - 04:00 PM	55.5
04:00 - 05:00 PM	55.5
05:00 - 06:00 PM	55.5
06:00 - 07:00 PM	56.0
07:00 - 08:00 PM	55.5
08:00 - 09:00 PM	56.0
09:00 - 10:00 PM	52.0
10:00 - 11:00 PM	52.0
11:00 - 12:00 AM	46.0
12:00 - 01:00 AM	46.0
01:00 - 02:00 AM	42.5
02:00 - 03:00 AM	41.0
03:00 - 04:00 AM	42.0
04:00 - 05:00 AM	43.5
05:00 - 06:00 AM	49.5
06:00 - 07:00 AM	54.5
07:00 - 08:00 AM	56.5
08:00 - 09:00 AM	56.0
09:00 - 10:00 AM	55.0
10:00 - 11:00 AM	54.0
11:00 - 12:00 PM	54.0
12:00 - 01:00 PM	54.0
01:00 - 02:00 PM	54.0
CNEL, dB(A):	57.5



NOTES:

The general noise in the area is attributed to Traffic on the Chapman and Newport.

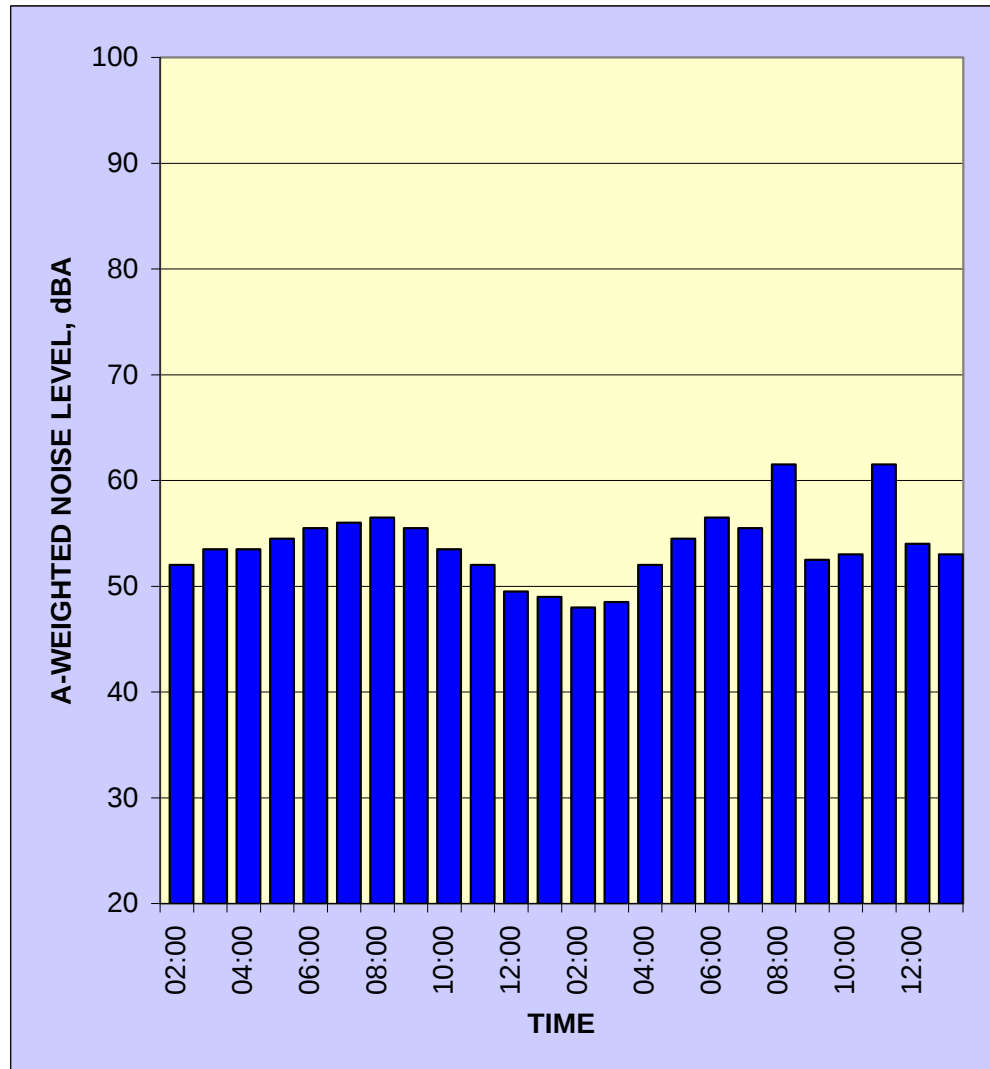
Hour from 12:00 pm to 1:00 pm adjusted.

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 26
 Address: Go Forth Mobile Home Park at 1800 Collins
 Position: Rear Yard at Space #10 Facing Tustin Avenue
 Sources: Traffic on Tustin Avenue and Intervening Parking Lot

Date: November 22 - 23, 2004

TIME	HNL, dB(A)
02:00 - 03:00 PM	52.0
03:00 - 04:00 PM	53.5
04:00 - 05:00 PM	53.5
05:00 - 06:00 PM	54.5
06:00 - 07:00 PM	55.5
07:00 - 08:00 PM	56.0
08:00 - 09:00 PM	56.5
09:00 - 10:00 PM	55.5
10:00 - 11:00 PM	53.5
11:00 - 12:00 AM	52.0
12:00 - 01:00 AM	49.5
01:00 - 02:00 AM	49.0
02:00 - 03:00 AM	48.0
03:00 - 04:00 AM	48.5
04:00 - 05:00 AM	52.0
05:00 - 06:00 AM	54.5
06:00 - 07:00 AM	56.5
07:00 - 08:00 AM	55.5
08:00 - 09:00 AM	61.5
09:00 - 10:00 AM	52.5
10:00 - 11:00 AM	53.0
11:00 - 12:00 PM	61.5
12:00 - 01:00 PM	54.0
01:00 - 02:00 PM	53.0
CNEL, dB(A):	60.1



NOTES:

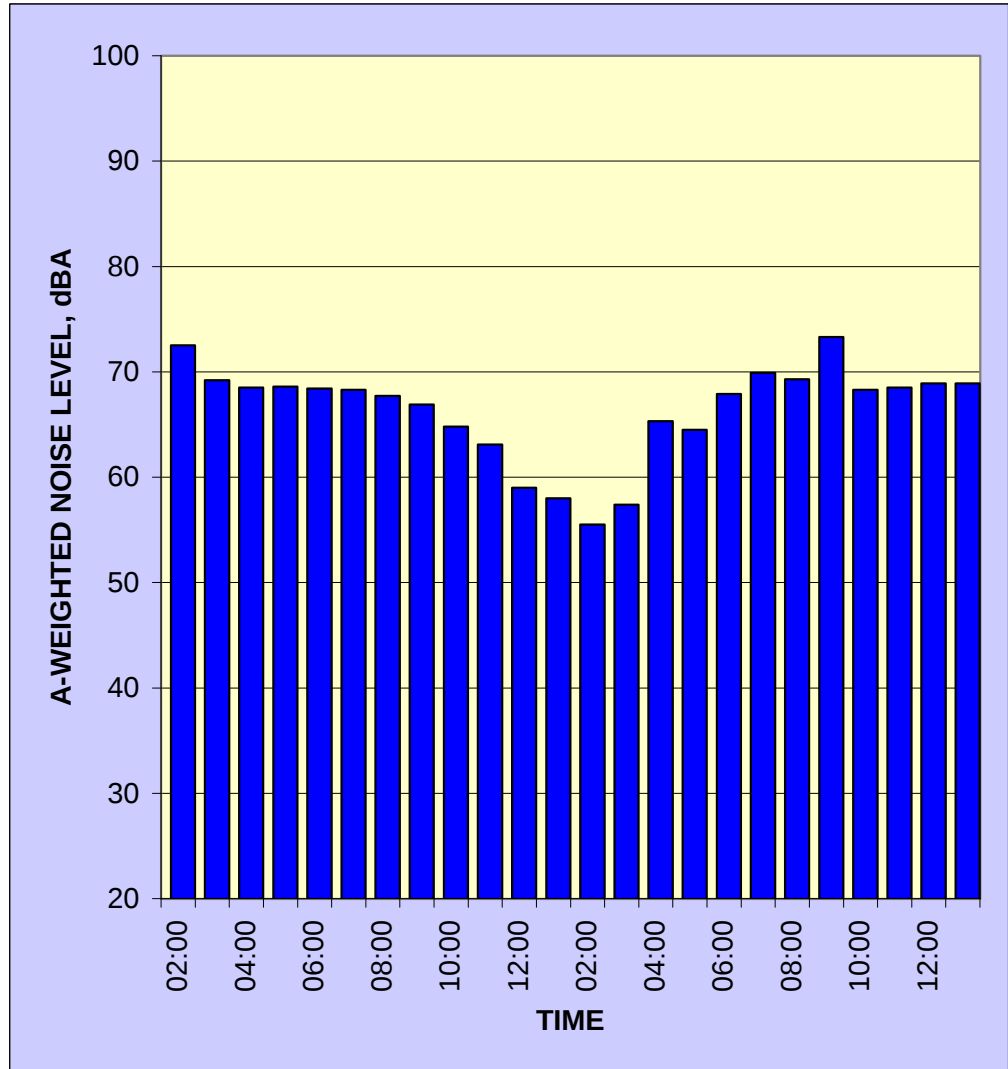
The general noise in the area is attributed to Traffic on the Tustin Avenue and Parking Lot Activities

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 27
 Address: Residence at 785 North Tustin
 Position: Front Yard Facing Tustin
 Sources: Traffic on Tustin Avenue and Adjacent Parking Lot

Date: November 22 - 23, 2004

TIME	HNL, dB(A)
02:00 - 03:00 PM	72.5
03:00 - 04:00 PM	69.2
04:00 - 05:00 PM	68.5
05:00 - 06:00 PM	68.6
06:00 - 07:00 PM	68.4
07:00 - 08:00 PM	68.3
08:00 - 09:00 PM	67.7
09:00 - 10:00 PM	66.9
10:00 - 11:00 PM	64.8
11:00 - 12:00 AM	63.1
12:00 - 01:00 AM	59.0
01:00 - 02:00 AM	58.0
02:00 - 03:00 AM	55.5
03:00 - 04:00 AM	57.4
04:00 - 05:00 AM	65.3
05:00 - 06:00 AM	64.5
06:00 - 07:00 AM	67.9
07:00 - 08:00 AM	69.9
08:00 - 09:00 AM	69.3
09:00 - 10:00 AM	73.3
10:00 - 11:00 AM	68.3
11:00 - 12:00 PM	68.5
12:00 - 01:00 PM	68.9
01:00 - 02:00 PM	68.9
CNEL, dB(A):	71.9



NOTES:

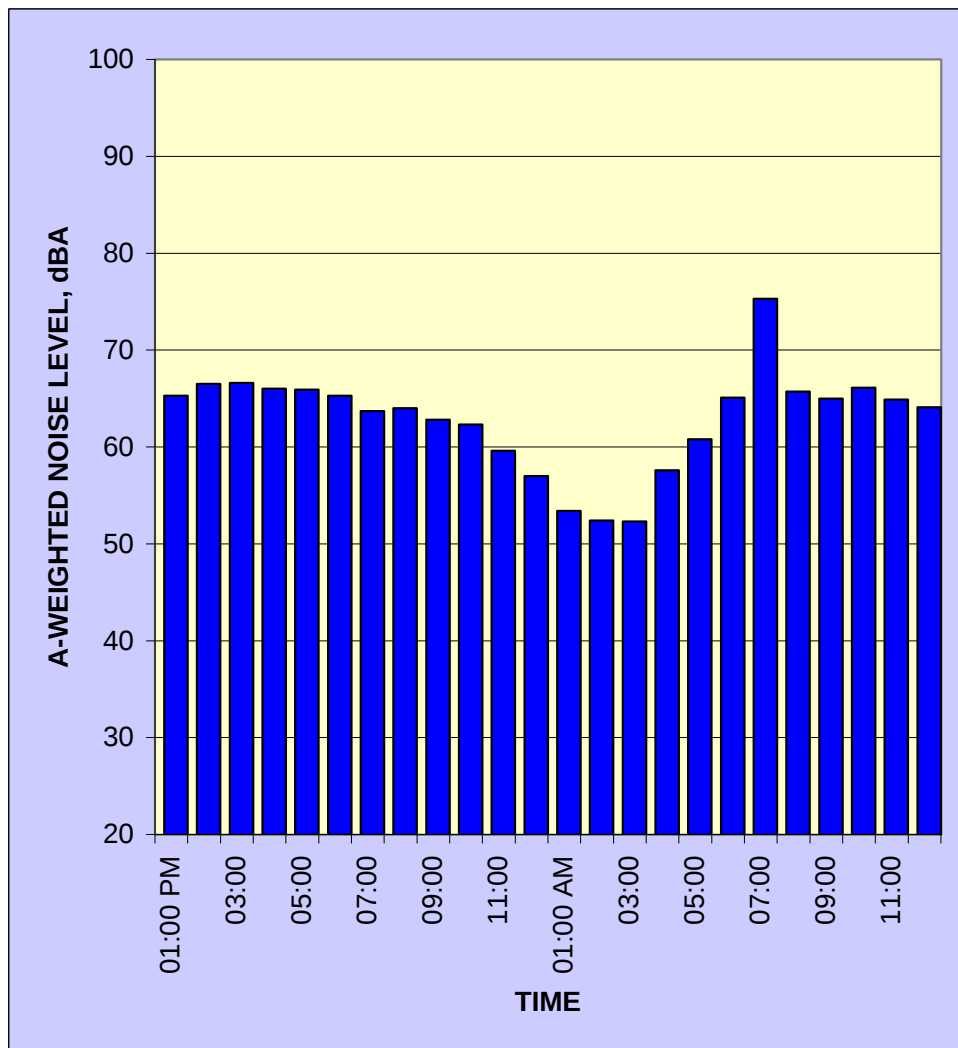
The general noise in the area is attributed to Traffic on Tustin Avenue and Parking Lot Activities

COMMUNITY NOISE EQUIVALENT LEVEL, CNEL

Location: Receptor 28
 Address: Summerville Senior Home at 142 Prospect
 Position: Along North Property Line
 Sources: Traffic on Prospect and Chapman

Date: December 13 - 14, 2004

TIME	HNL, dB(A)
01:00 - 02:00 PM	65.3
02:00 - 03:00 PM	66.5
03:00 - 04:00 PM	66.6
04:00 - 05:00 PM	66.0
05:00 - 06:00 PM	65.9
06:00 - 07:00 PM	65.3
07:00 - 08:00 PM	63.7
08:00 - 09:00 PM	64.0
09:00 - 10:00 PM	62.8
10:00 - 11:00 PM	62.3
11:00 - 12:00 AM	59.6
12:00 - 01:00 AM	57.0
01:00 - 02:00 AM	53.4
02:00 - 03:00 AM	52.4
03:00 - 04:00 AM	52.3
04:00 - 05:00 AM	57.6
05:00 - 06:00 AM	60.8
06:00 - 07:00 AM	65.1
07:00 - 08:00 AM	75.3
08:00 - 09:00 AM	65.7
09:00 - 10:00 AM	65.0
10:00 - 11:00 AM	66.1
11:00 - 12:00 PM	64.9
12:00 - 01:00 PM	64.1
CNEL, dB(A):	68.8



NOTES:

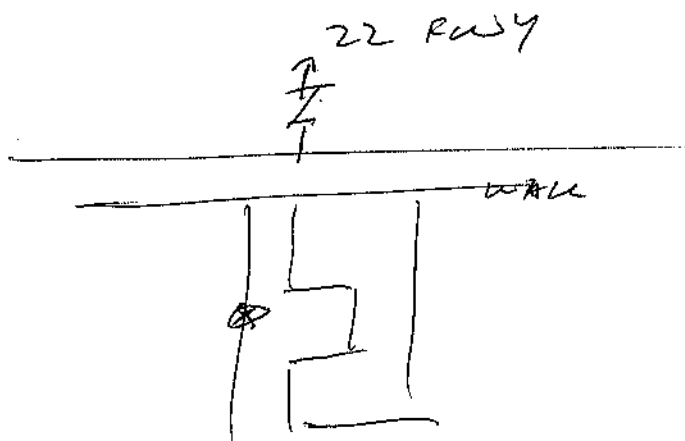
The general noise in the area is attributed to Traffic on Prospect and Chapman

CITY OF ORANGE NOISE SURVEY

PROJECT			DATE	11/17/04
LOCATION	RESIDENTIAL OUTDOOR			
	LIVING SPACE			
	3547 PARK BALBOA RAY HUDDLESTON			
SLM	LD 700	R10G1P	S/N	1766
MIC			S/N	
PREAMP			S/N	
CAL			S/N	

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
1:00pm											

NOTES:



CITY OF ORANGE NOISE SURVEY

②

PROJECT		DATE 11/17/09
LOCATION	300 North St. DUMAINE ST	
	#18	
	PARK ROYAL MOBIL HOME	
SLM	LD 200	S/N 1465
MIC		S/N
PREAMP		S/N
CAL	93.8 dB 120g.	S/N

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
2:00 pm											

NOTES:

SWAP MEET

CITY OF ORANGE NOISE SURVEY

④

PROJECT		DATE 11/17
LOCATION	2019 W. CHAPMAN AVE	
	DAN RUDAT	
SLM	LD 200	S/N 2014
MIC		S/N
PREAMP		S/N
CAL	93.8 dB 1406P	S/N

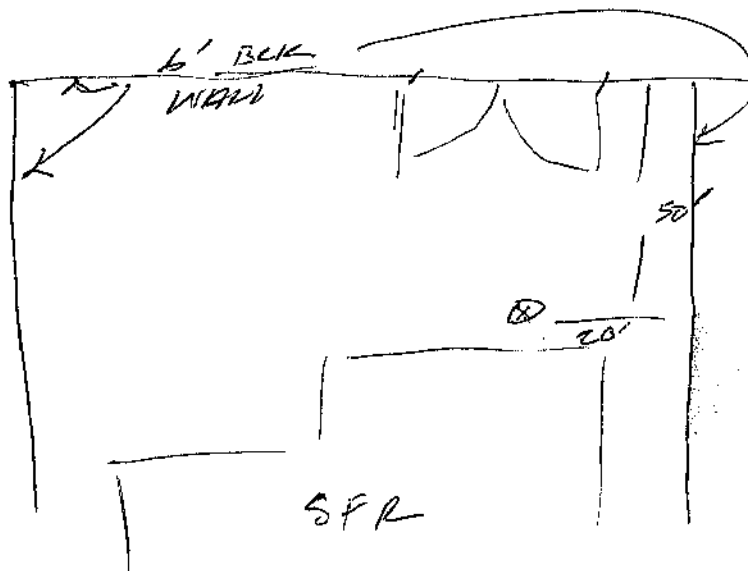
75°F 0 WIND

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
300 pm	330 pm										Traffic on Chapman Ave

NOTES:

CHAPMAN AVE

14' DIV 6/12
 12
 12
 16'
 + 20' to T/L



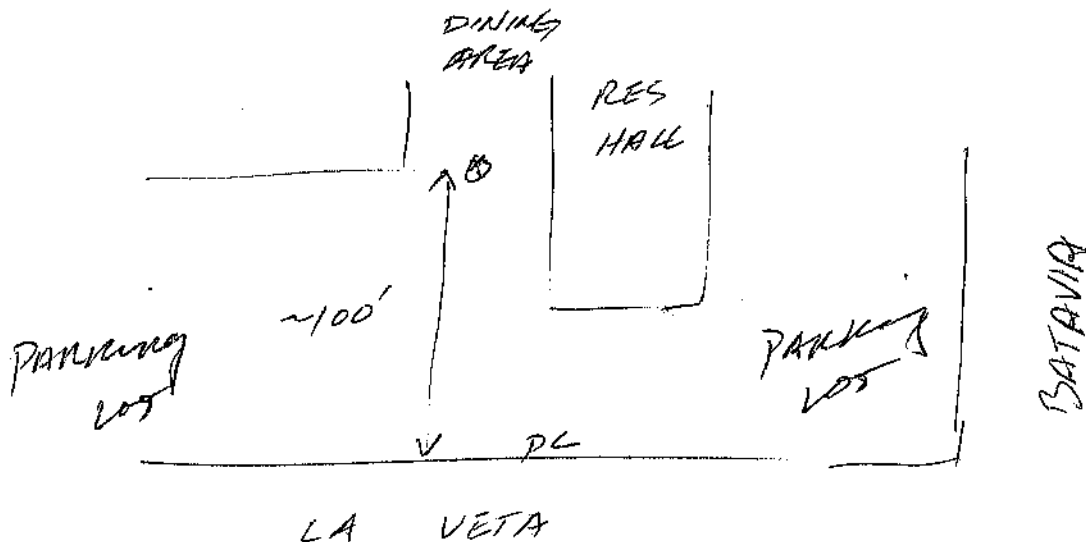
CITY OF ORANGE NOISE SURVEY

(9)

PROJECT		DATE 11/17/04
LOCATION	ST. JOSEPH CENTER AUDITORIUM	
	+ RESIDENCE HALL	
	480 S. Batavia	
SLM	LD 870 575 #1	S/N AD340
MIC		S/N
PREAMP	R906P	S/N
CAL	93.8 dB	S/N

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
3:18 pm	- 3:20 pm										Traffic on La Veta, 22 Hwy
											On Site Ops.
											Truck loading

NOTES:



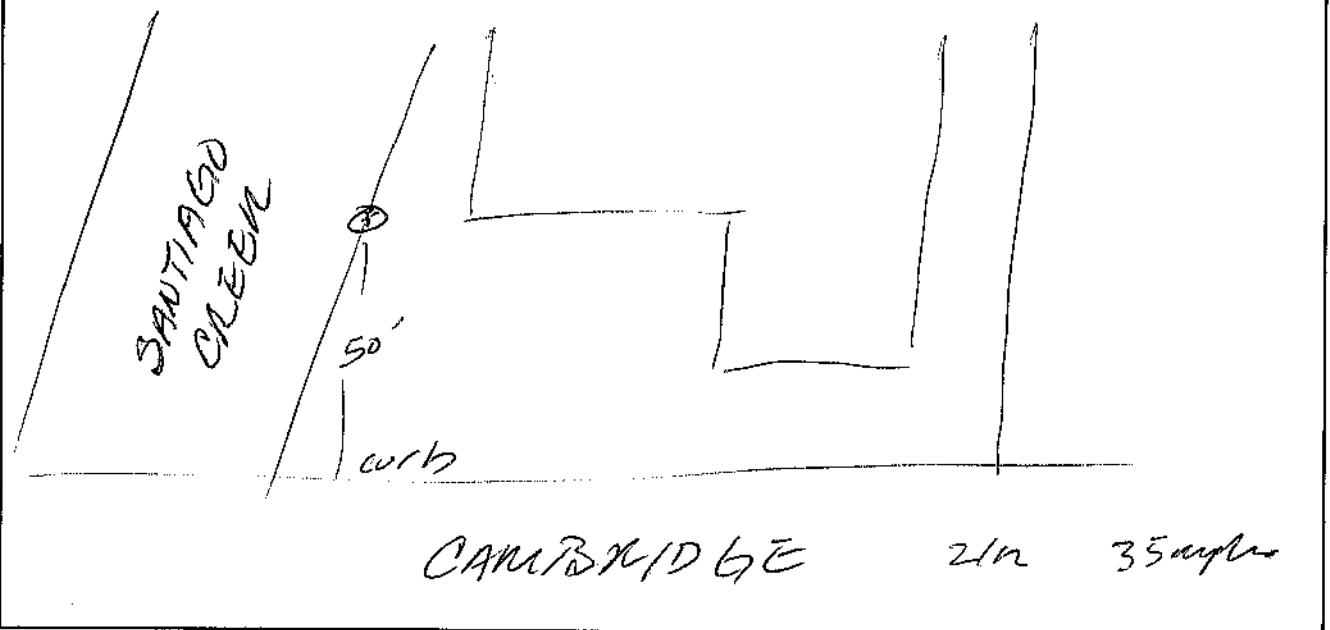
CITY OF ORANGE NOISE SURVEY

PROJECT		DATE 11/17
LOCATION	572 S. CAMBRIDGE	
	SFR	
SLM	LD 700	S/N 2012
MIC		S/N
PREAMP		S/N
CAL	93.8	121804P S/N

4:20 pm ~70°F OWIND CLEAR SKY'S

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
4:00 pm	- 4:25 pm										Traffic on Cambridge

NOTES:



CITY OF ORANGE NOISE SURVEY

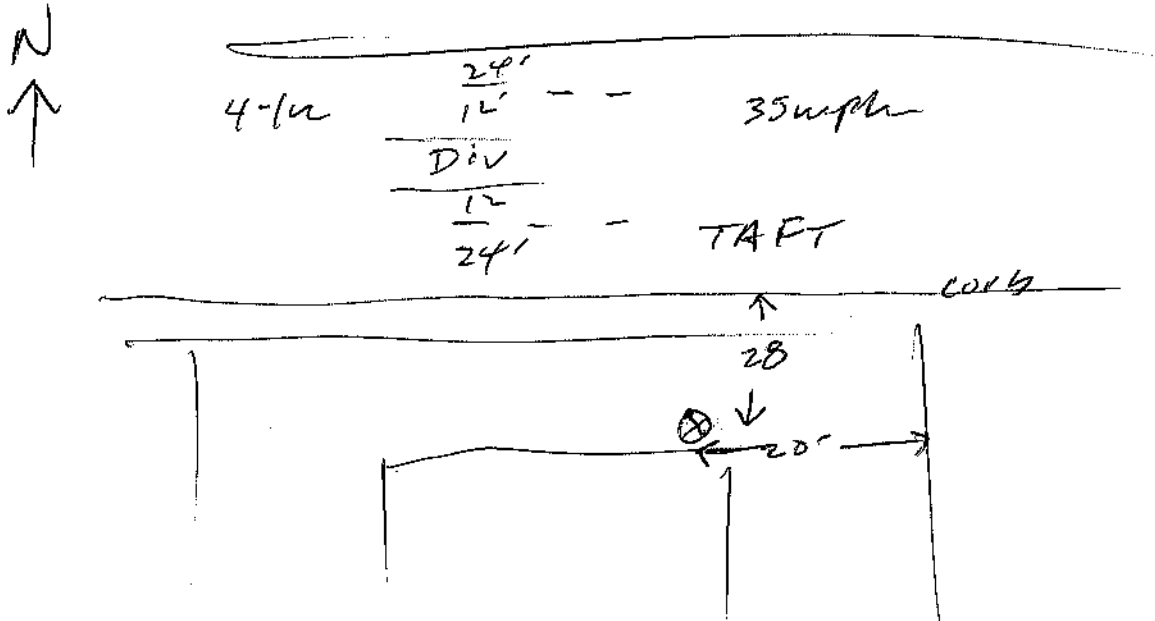
13

PROJECT		DATE 11/18/04
LOCATION	534 TAFT	
	JEHOVIS KINGDOM	
	JACK WINER	
SLM	LD870 system 4	S/N A0338
MIC	R130GP	S/N
PREAMP		S/N
CAL	93.8 dB $\checkmark$ cal 93.8 dB	S/N

11/18 clear sky ~70°F

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
9:38 AM											Traffic on
	~ 2:40 PM										

NOTES:



CITY OF ORANGE NOISE SURVEY

12

PROJECT		DATE 11/18/09
LOCATION	1110 E. MEATS.	
SLM	LD 870 System 3	S/N A0342
MIC		S/N
PREAMP		S/N
CAL	3.8 dB R1206P	S/N

clear sky, 0 wind ~ 70°F

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
10:15am											Traffic on streets
	~250pm										

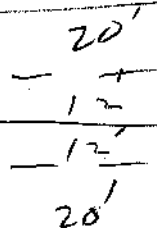
NOTES:



Driving Range

MEATS

4/4
35mph



curb

30'

1110

23

ALLIANCE ACOUSTICAL CONSULTANTS, INC.

CITY OF ORANGE NOISE SURVEY

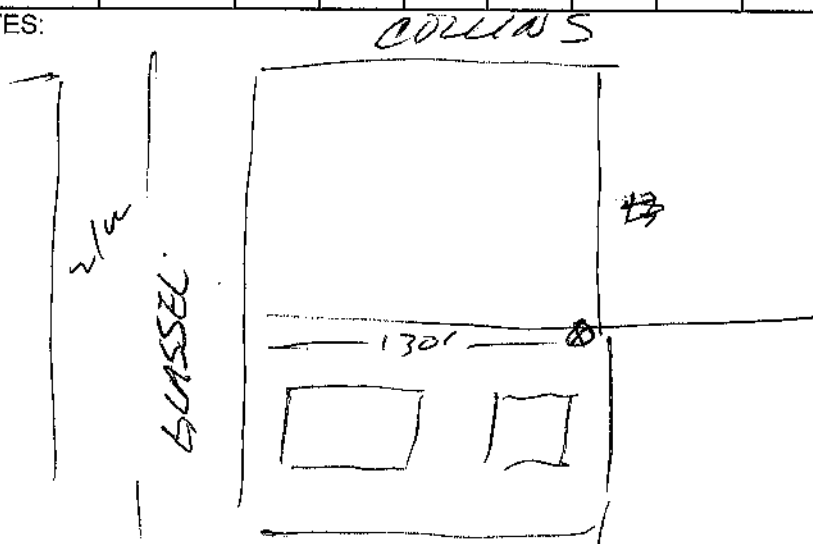
21

PROJECT		DATE <i>11/10/04</i>
LOCATION	<i>873 N. Glassell St</i>	
	<i>Tiffany Dreese back unit</i>	
SLM	<i>LD 700</i>	S/N <i>1766</i>
MIC		S/N
PREAMP	<i>12104P</i>	S/N
CAL		S/N

11/19 ~ 70°F clear sky.

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
3:00pm											Traffic on Glassell + Collins
	~ 3:40pm										

NOTES:



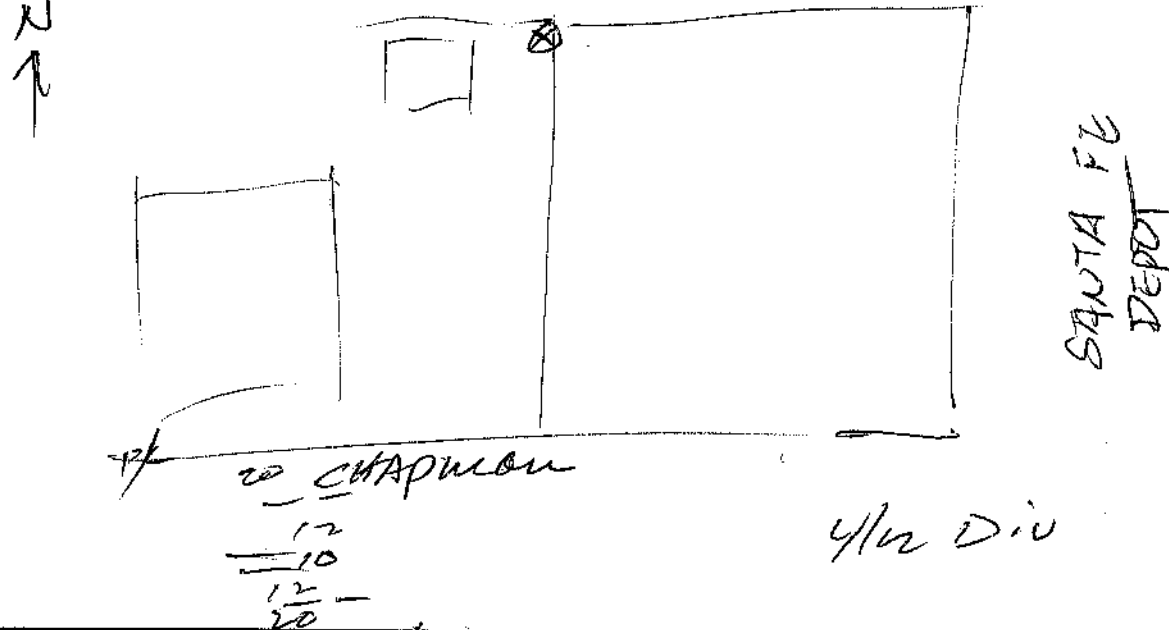
CITY OF ORANGE NOISE SURVEY

(8)

PROJECT		DATE <i>11/18/07</i>
LOCATION	<i>535 Chapman</i>	
	<i>Near Depot</i>	
<i>ok per skipper.</i>		
SLM	<i>LD 700</i>	S/N <i>1465</i>
MIC		S/N
PREAMP	<i>R80GP</i>	S/N
CAL	<i>93.8 dB</i>	S/N

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
3:00pm											Traffic on Chapman from Depot Dgs.
	3:50pm										

NOTES:



CITY OF ORANGE NOISE SURVEY

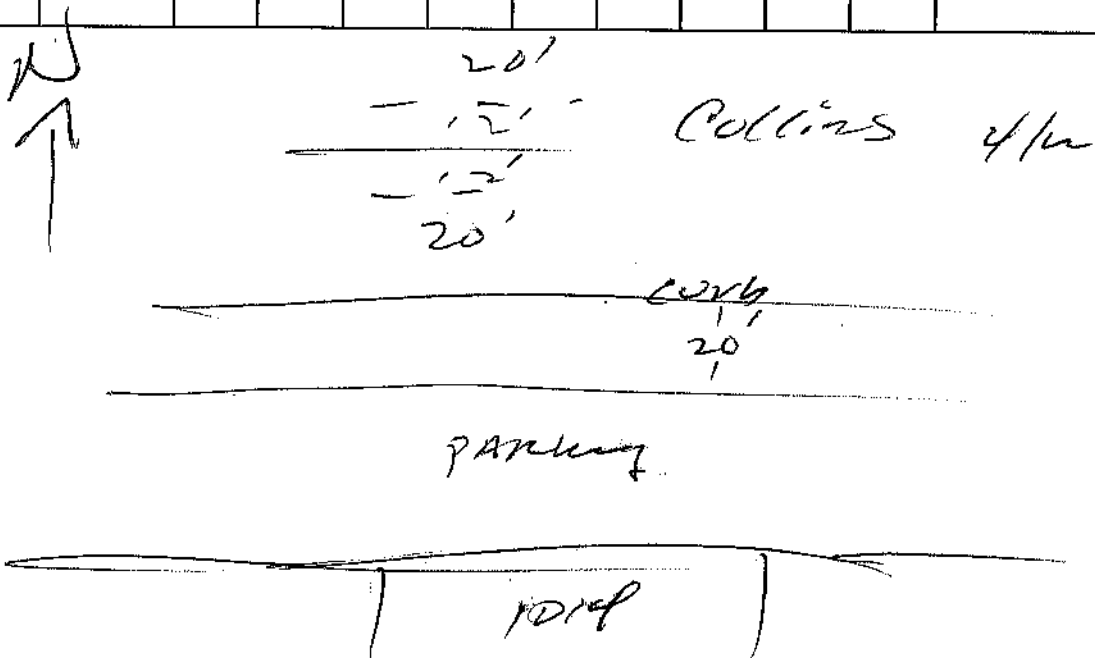
⑦

PROJECT	1	DATE	10/18/04
LOCATION	LD 870 system #1		
	1014 COLLINS		
	Commercial/Retail/Industrial Area		
SLM	LD 870 system #1	S/N	
MIC		S/N	
PREAMP	R70GP	S/N	
CAL		S/N	

~70°F clear sky

TIME											NOTES
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	
4:00pm											Traffic on Collins

NOTES:



CITY OF ORANGE NOISE SURVEY

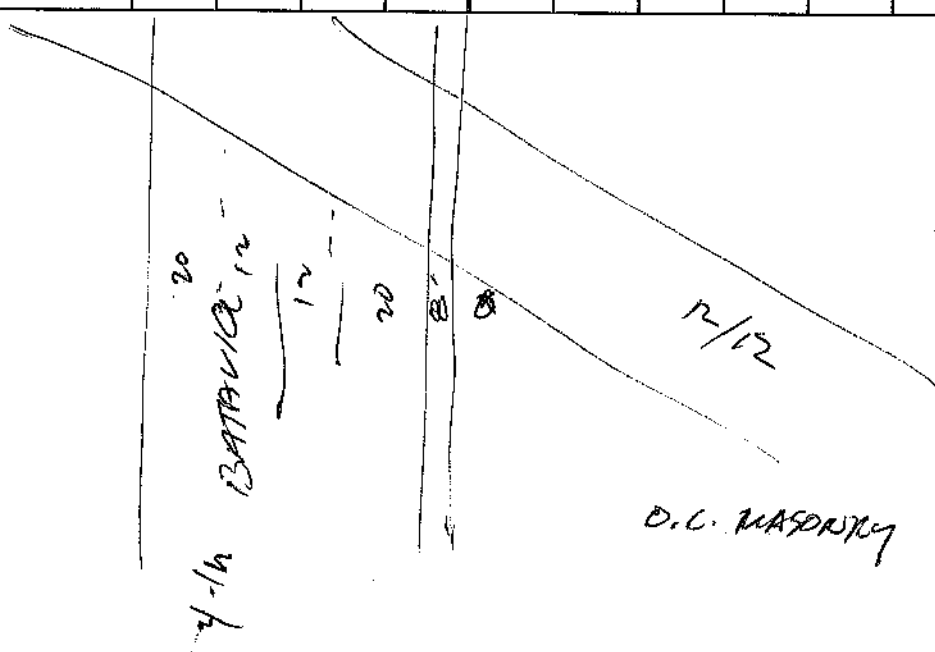
20

PROJECT		DATE 11/18
LOCATION	631 BATAVIA	
	ORANGE COAST MASONRY	
SLM	LD700	S/N 2014
MIC		S/N
PREAMP		S/N
CAL	93.8	R200GP. S/N

~ 70°F Clear Sky

TIME		L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
START	STOP										
4:00 pm											TRAIN +
	4:00 pm										TRAFFIC
											on Batavia

NOTES:



CITY OF ORANGE NOISE SURVEY

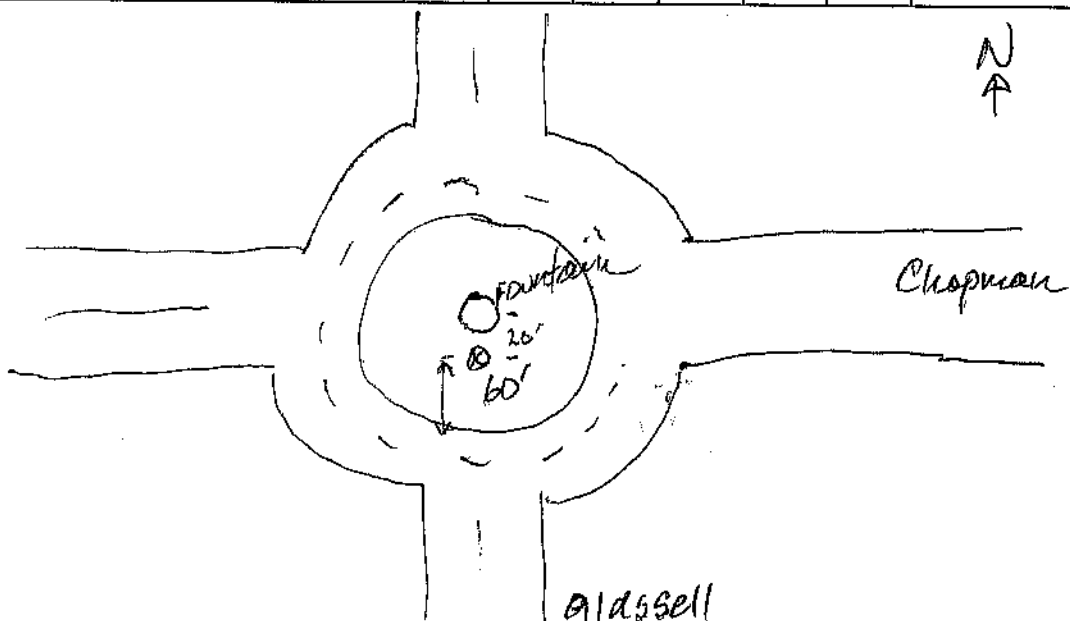
17

PROJECT		DATE 11/22
LOCATION	Orange Circle	
	R17 OGP	
SLM	LD 870 System #1	S/N
MIC		S/N
PREAMP		S/N
CAL	93.8 dB 10:15am cal check 93.8 dB	S/N

68°F @ WIND clear sky

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
10:25am											FOUNTAIN, TRAFFIC NOISE CAR ALARM
	2:15pm										

NOTES:



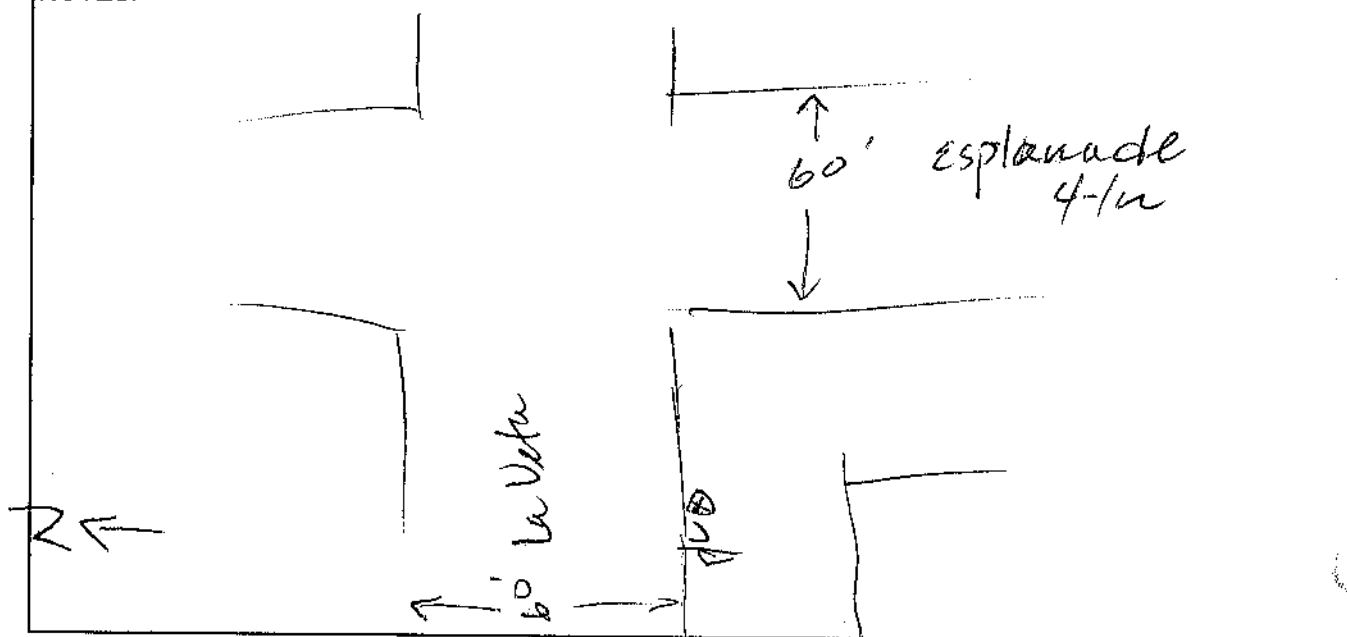
CITY OF ORANGE NOISE SURVEY

19

PROJECT		DATE 11-22-04
LOCATION	4040 E. LA VETA	
SLM	LD 700	S/N 1465
MIC		S/N
PREAMP	R1909P	S/N
CAL	93.8 1:30pm	S/N

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
2:00pm											Traffic
											La Veta +
											Esplanade

NOTES:



CITY OF ORANGE NOISE SURVEY

24

PROJECT		DATE 11/22
LOCATION	1840 N CARLSBAD ST	
SLM	LD 700	S/N 2014
MIC		S/N
PREAMP	12240GP	S/N
CAL	93.8 dB	S/N

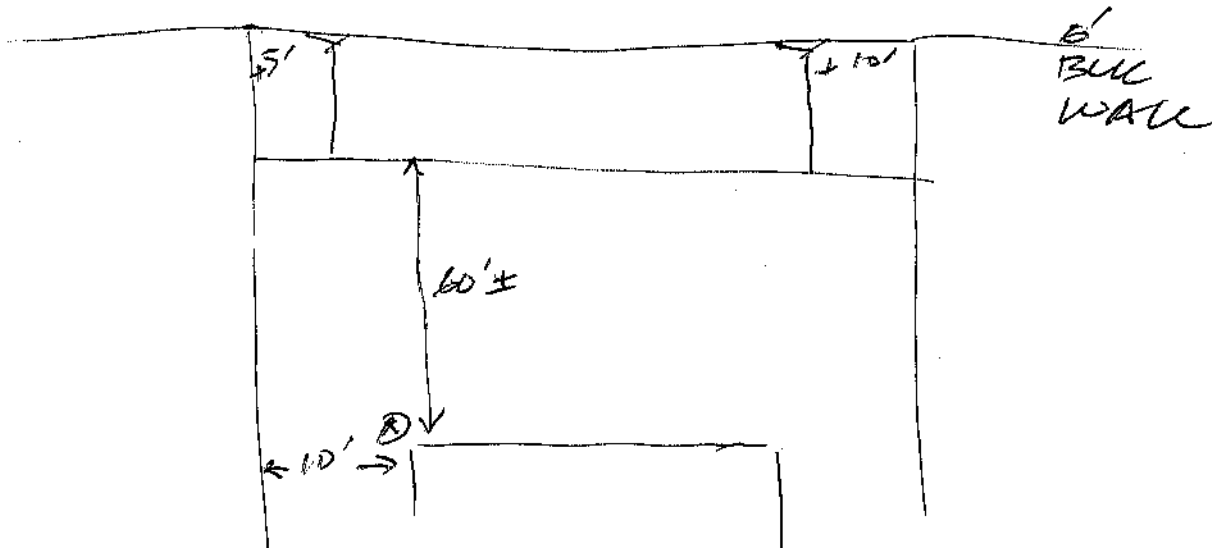
~70°K OVERCAST WIND

TIME											NOTES
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	
1:00 pm	2:30 pm										Traffic
											Gardens

NOTES:

6-1/2 ft

CANNON STREET



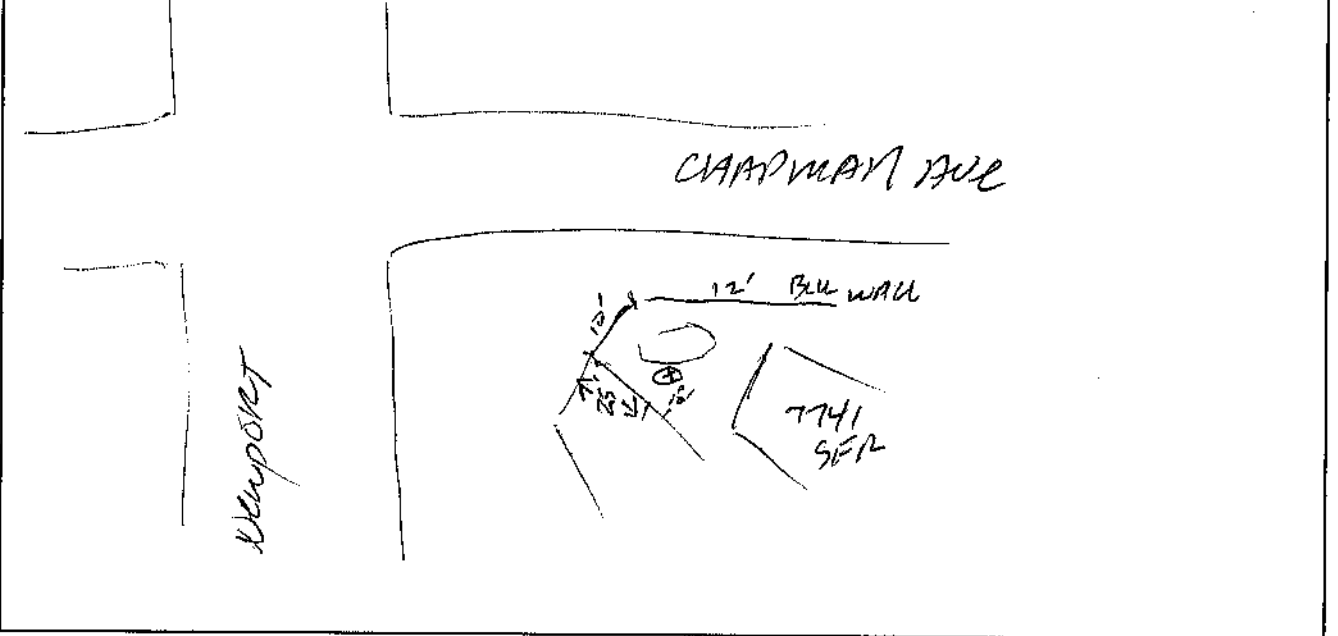
CITY OF ORANGE NOISE SURVEY

25

PROJECT		DATE 11-22-04
LOCATION	7741 Teal lane	
SLM	LD700	S/N 2012
MIC		S/N
PREAMP	R2506P	S/N
CAL	93.8 dBS 1:48 pm	S/N
70% Θ wind overcast		

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
2:00 pm											Traffic on Teal lane + Newport Blvd

NOTES:



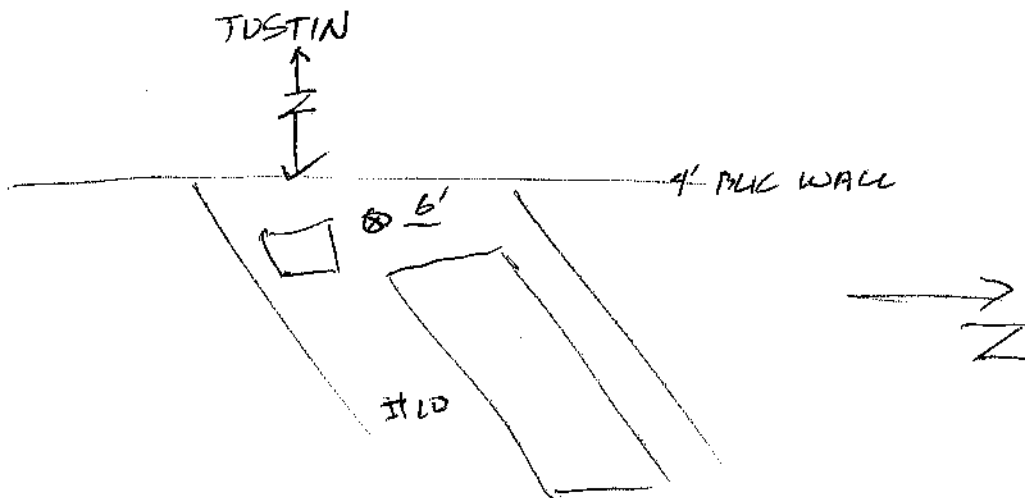
CITY OF ORANGE NOISE SURVEY

26

PROJECT		DATE 11-22-04
LOCATION	1800 Collins	
	60 FORTH Mobile Home Pk	
	Space #10	
SLM	LD 700	S/N 1766
MIC		S/N
PREAMP		S/N
CAL	93.8 dB 11:35 am	S/N

TIME											NOTES
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	
1200 pm	~ 2:50 pm										Traffic on Tustin St

NOTES:



CITY OF ORANGE NOISE SURVEY

27

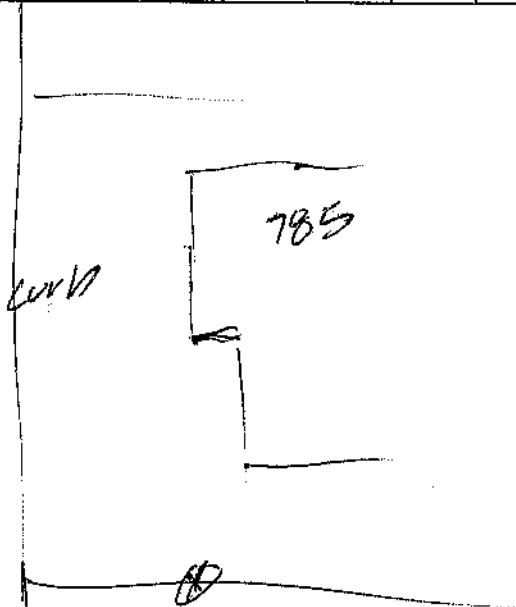
PROJECT			DATE	11/22/04
LOCATION	785 N. TUSTON			
SLM	2D 870	system #2	S/N	
MIC			S/N	
PREAMP	122706P		S/N	
CAL	93.8 dB	-11.00	S/N	

66°F @ wind clear sky

TIME											
START	STOP	L2	L8	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
11:00 am											Traffic on
	2:40 pm										N TUSTON

NOTES:

16' 12' 12' 12' 16'
Med

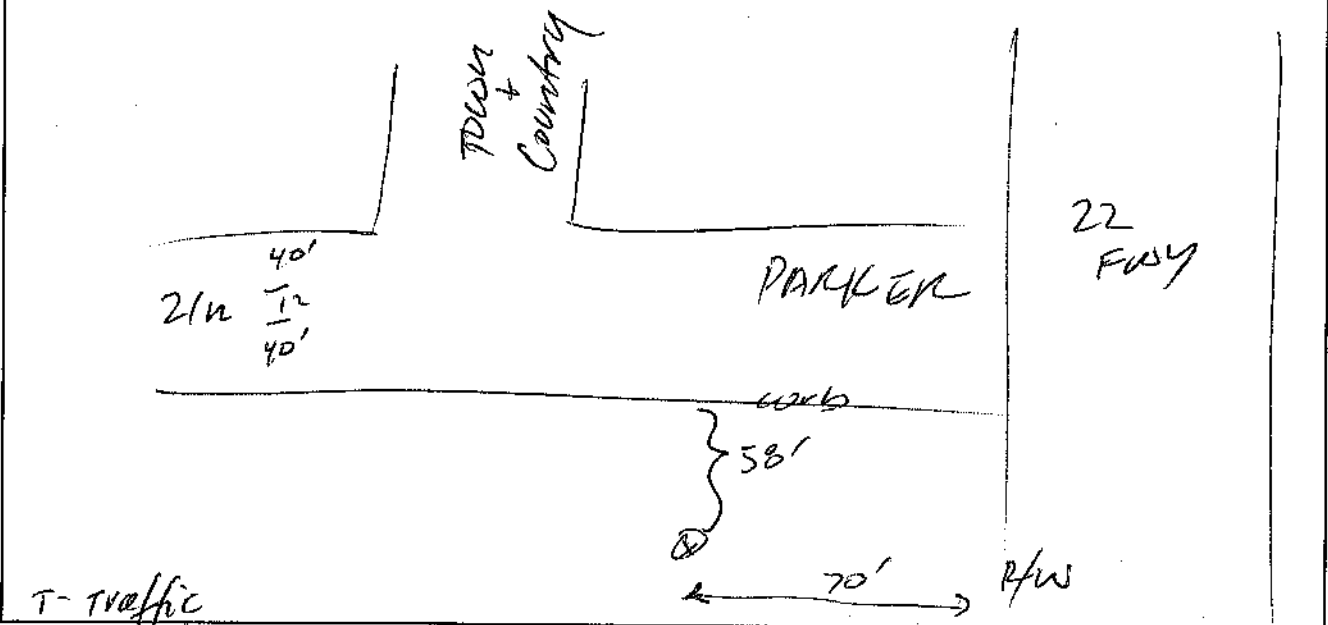


CITY OF ORANGE NOISE SURVEY

PROJECT		DATE 11/30/04
LOCATION	R10	
SLM	LD 700	S/N 1766
MIC		S/N
PREAMP		S/N
CAL	93.8 dB	S/N

TIME											
START	STOP	L1	L10	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
9:51 AM	10:06	73.5	66.5	64.0	64.0	62.0		59.5	80.5	65.4	Traffic, parking lot
12:44 PM	12:59	68.5	65.5		62.5	61.0		57.5	71.5	63.6	Traffic on 22, parking lot activity
											CAR HORN=76 MOTORCYCLE
6:25 PM	6:40	71.5	68.0		65.0	63.0		60.0	75.5	65.9	Traffic on 22

NOTES:



T - Traffic

P - parking lot
G - GARDEN

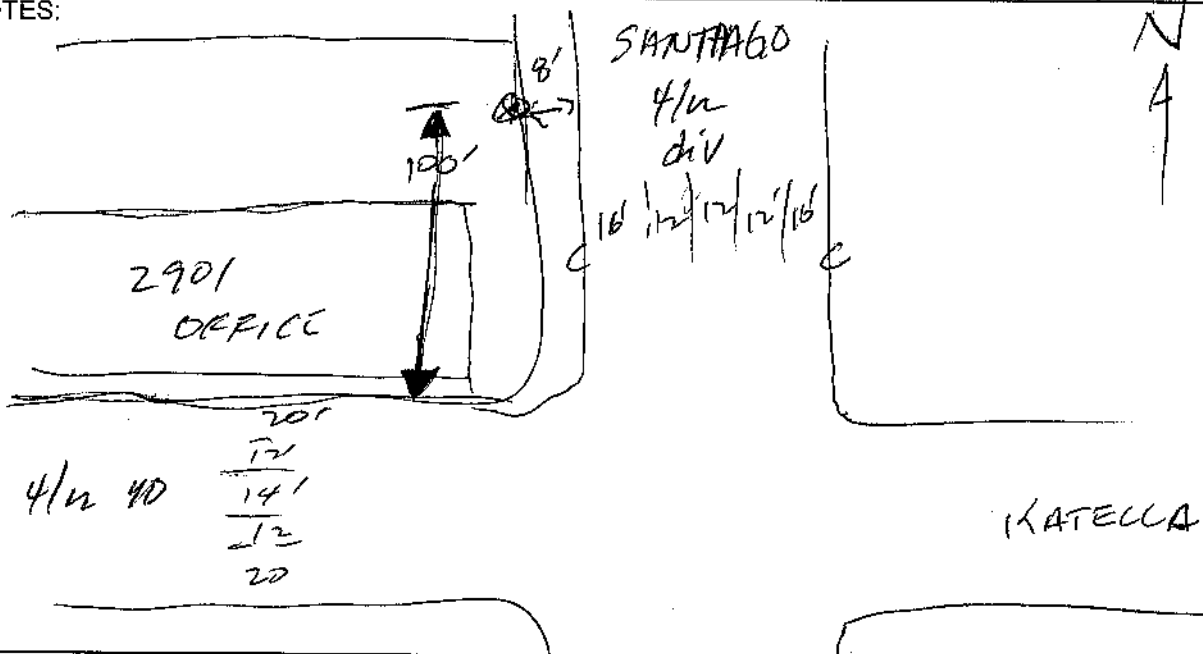
ALLIANCE ACOUSTICAL CONSULTANTS, INC.

CITY OF ORANGE NOISE SURVEY

PROJECT		DATE 11/30/09
LOCATION	R 22	
	2901 E. KATELLA AVE	
	RETAIL	
SLM	LD 700	S/N 1766
MIC	2901 E. KATELLA AVE	S/N
PREAMP	OFF	S/N
CAL	93.8 dB	S/N

TIME		L1	L10	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
11:12 am	11:27	72.5	69.0		64.0	58.5		50.0	75.5	65.7	Traffic noise, car alarm
2:06 pm	2:21	77.5	71.5		65.5	60.5		56.5	80.5	68.0	Traffic on Santiago Blvd, car audio, light
5:05 pm	5:20 pm	74.5	70.0		65.0	61.5		58.0	81.5	67.0	traffic, parking lot, car horn

NOTES:

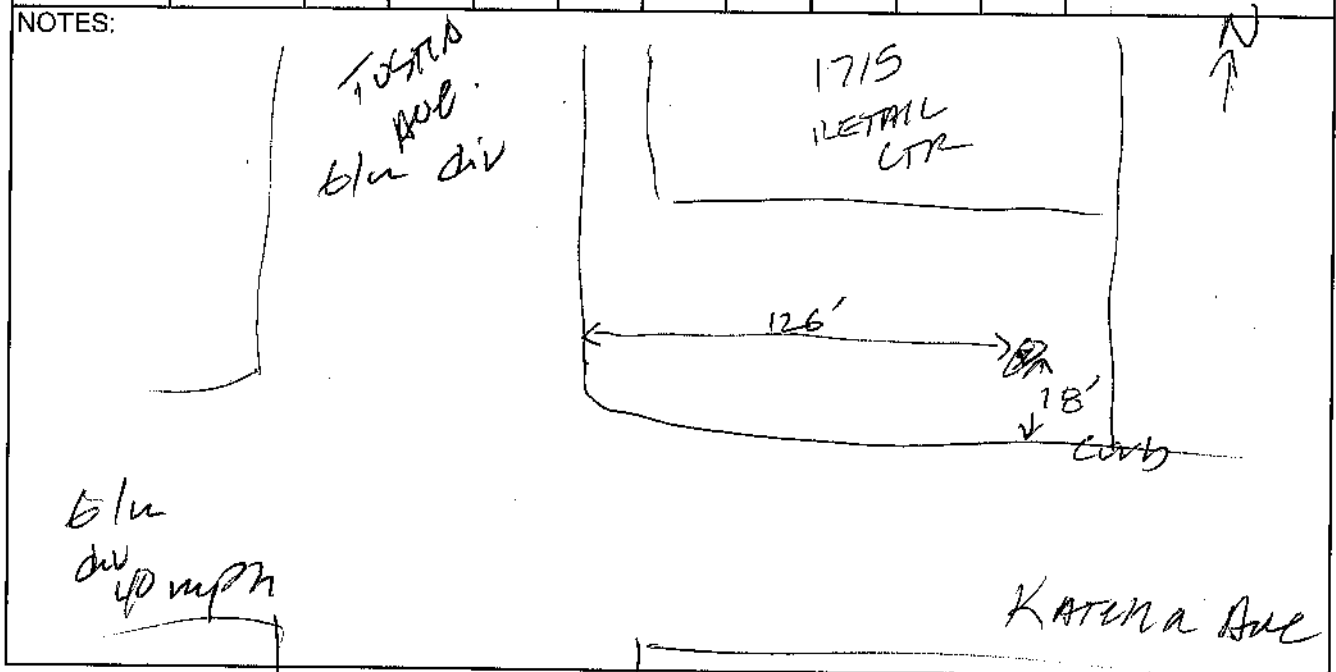


CITY OF ORANGE NOISE SURVEY

PROJECT		DATE 11/30/09
LOCATION	1214	
	1715 Katella Ave	
	Retail CTR	
SLM	LD 700	S/N 1766
MIC		S/N
PREAMP		S/N
CAL		S/N

TIME											
START	STOP	L1	L10	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
10:48	11:03	78.5	73.5		67.0	63.5		60.0	80.0	69.9	Traffic on Katella
1:46 pm	2:01	77.5	72.0		67.0	63.5		61.0	79.0	69.6	Traffic on Katella
5:30 pm	5:45 pm	77.5	72.5		67.5	64.0		61.0	86.5	69.9	Traffic on Katella, Car Horn

NOTES:



CITY OF ORANGE NOISE SURVEY

PROJECT											DATE 11/30/04
LOCATION	R13										
	Foxborough Apt Homes										
	799 KATELLA AVE										
SLM	LD 700										S/N 1766
MIC											S/N
PREAMP											S/N
CAL											S/N

TIME											
START	STOP	L1	L10	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
10:24 am	10:39	75.5	72.0		65.0	55.5		47.0	78.5	68.2	traffic on Katella
1:15 pm	1:30 pm	76.5	73.0		67.0	58.0		47.0	80.5	69.8	Traffic on Katella
5:55 pm	6:10 pm	79.5	74.0		67.5	58.5		50.0	84.0	70.6	Traffic on Katella

NOTES: Foxborough Apt Homes

6 in
40 mph

16
12
12
12
12
16

20'

RETAIL CENTER

KATELLA

CITY OF ORANGE NOISE SURVEY

PROJECT											DATE 12/1/04
LOCATION	123										
	EXTENDED STAY AMERICA										
	HOTEL										
SLM	LD 700										S/N 1766
MIC											S/N
PREAMP											S/N
CAL	93.0										S/N
TIME											
START	STOP	L1	L10	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
10:50	11:05	61.0	58.0		55.0	53.0		52.0	62.0	56.0	Traffic, distant Aircraft,
2:17 pm	2:32 pm	62.5	59.0		56.0	54.0		51.5	64.5	57.0	Traffic
5:22 pm	5:37 pm	66.0	60.5		56.5	53.5		61.0	69.5	58.1	Traffic, Helicopter Train Horn
NOTES: HOTEL PARKING LOT 200' ↑ ↓ THEATER/RETAIL ↑ N ↑ KATELLA											

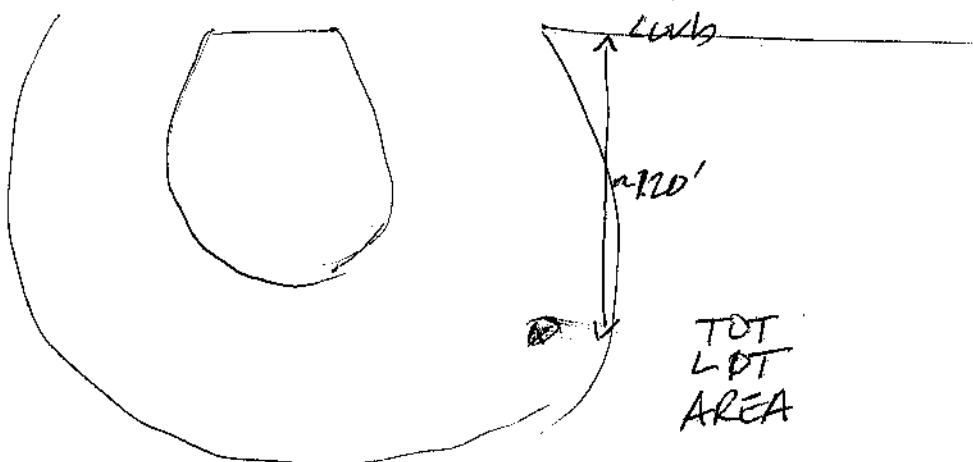
CITY OF ORANGE NOISE SURVEY

PROJECT		DATE 12/1/04
LOCATION	12-11	
	EISENHOWER PARK	
SLM	LD 700	S/N 1766
MIC		S/N
PREAMP		S/N
CAL	93.8 dB	S/N

TIME											
START	STOP	L1	L10	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
9:26 am	9:41 am	52.5	53.5		50.0	48.0		46.0	83.0	55.8	Traffic, distant Aircraft, fountain birds
12:34 pm	12:49 pm	64.5	56.5		54.5	48.5		46.0	71.5	54.1	Traffic, birds, people talking, CAR
4:00 pm	4:15 pm	69.0	60.5		55.5	53.5		51.5	73.0	58.5	Traffic, G/A, KIDS playing cars.

NOTES:

Birds

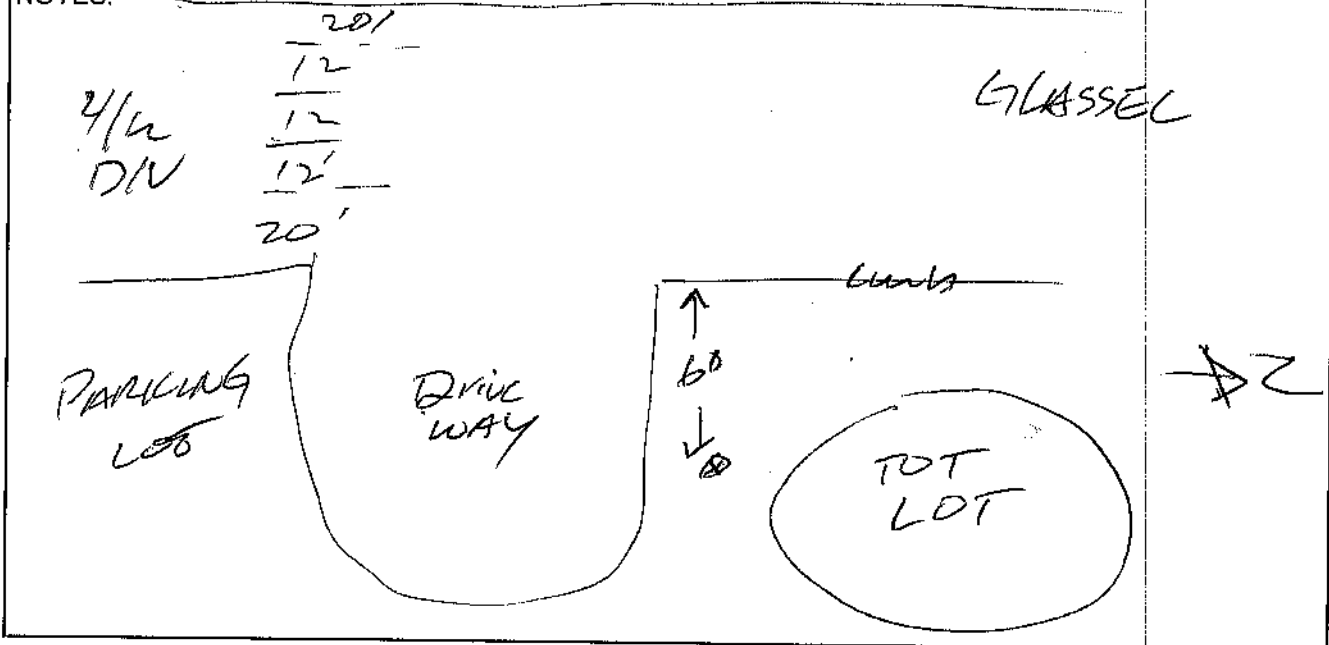


CITY OF ORANGE NOISE SURVEY

PROJECT		DATE 12/1/08
LOCATION	125	
	OLIVE PARK TOT LOT	
SLM	LD 700	S/N 1766
MIC		S/N
PREAMP		S/N
CAL		S/N

TIME		L1	L10	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
9:59am	10:14	74.0	69.5		62.5	55.5		52.0	80.0	65.7	Traffic on Glassel
12:59pm	1:14	73.5	69.0		62.5	55.0		48.5	75.5	65.4	Traffic, AVE 60 ft
4:23	4:38pm	72.5	69.5		65.0	56.0		51.0	73.5	66.4	Traffic, Olive Park

NOTES:

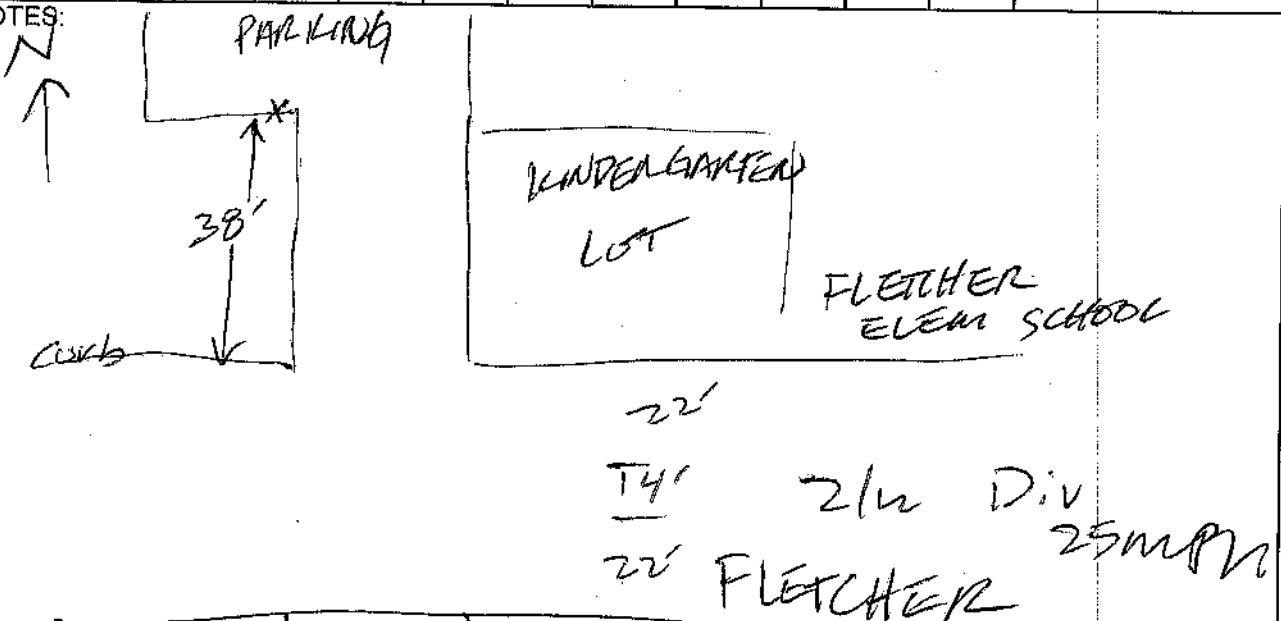


CITY OF ORANGE NOISE SURVEY

PROJECT		DATE	12/1/04
LOCATION	R6		
	FLETCHER ELEM SCHOOL		
SLM	LD 700	S/N	1766
MIC		S/N	
PREAMP		S/N	
CAL	93.8	S/N	

TIME		L1	L10	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
10:23 <i>am</i>	10:38	70.5	66.5		61.0	58.0		55.5	75.0	63.3	KIDS PLAYING, Traffic, manuf/EG noise.
1:48 <i>pm</i>	2:03 <i>pm</i>	74.5	68.0		61.0	57.0		55.0	74.0	64.0	TRAFFIC, EQ NOISE Helicopter, backup horn
4:55	5:10	73.0	66.5		59.5	53.0		51.5	75.5	63.1	Traffic, EQ Noise

NOTES:



CITY OF ORANGE NOISE SURVEY

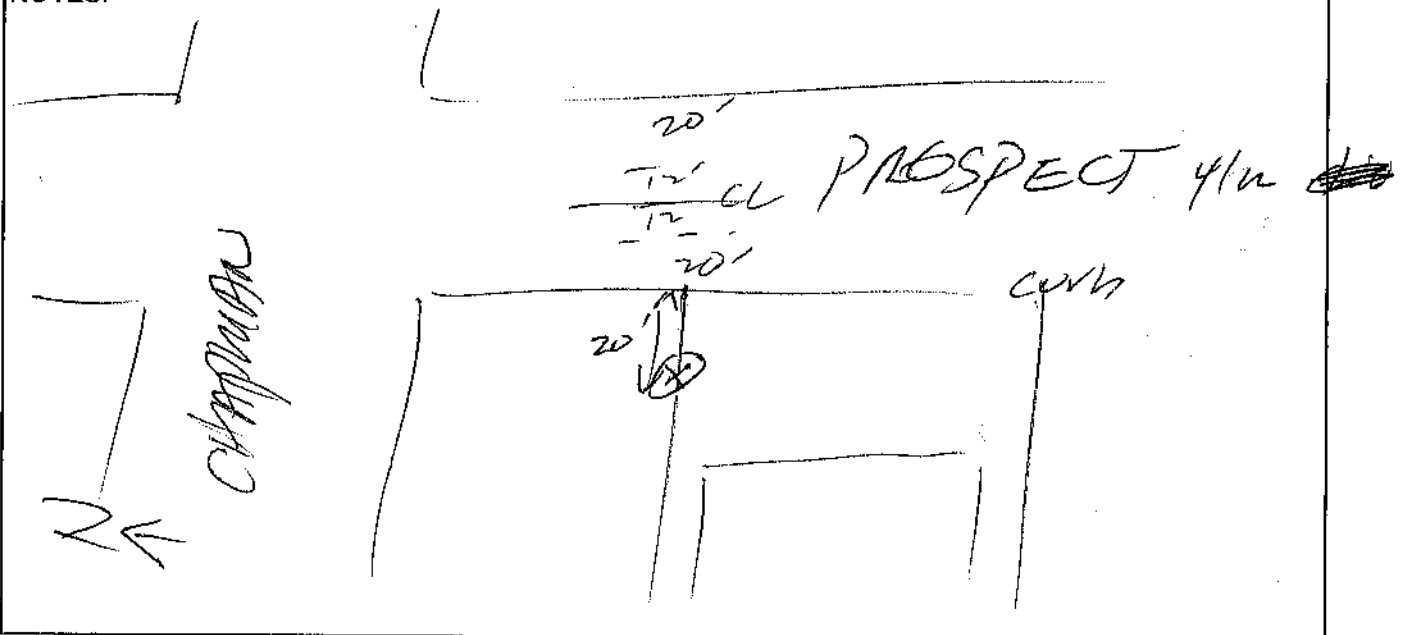
28

PROJECT			DATE	12/13/08
LOCATION	142 PROSPECT			
	SUMMERVILLE SENIOR			
	HOME			
SLM	LD 870	System 4	S/N	
MIC			S/N	
PREAMP		12806P. B	S/N	
CAL	93.8 dB		S/N	

72°F & wind clear sky

TIME											
START	STOP	L1	L10	L25	L50	L90	L99	Lmin	Lmax	Leq	NOTES
12:20 pm	1:00 pm										Traffic

NOTES:



16

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