

APPENDIX D

Noise

**Long-Term 24 Hour Continuous Noise Monitoring
Model Input Sheet**



Project: 60682851 - SJUSD KJMS Environmental

Date: Thursday, June 02, 2022 to Friday, June 03, 2022

Site: LT-01

Hour	Leq	Lmax	L50	L90
15:00	48.8	71.6	45.4	43.2
16:00	49.8	73.3	45.6	43.5
17:00	46.7	66.7	44.3	42.5
18:00	49.0	64.0	46.9	44.8
19:00	50.7	68.2	48.5	45.9
20:00	51.6	70.2	48.4	46.3
21:00	48.9	60.8	47.8	46.2
22:00	48.6	60.0	47.0	45.4
23:00	46.2	61.2	44.1	42.7
0:00	43.3	59.5	42.6	41.4
1:00	43.0	57.6	42.1	40.7
2:00	41.2	52.8	40.8	39.4
3:00	41.2	55.9	40.6	39.2
4:00	42.2	54.6	42.0	40.7
5:00	48.7	63.5	47.1	45.7
6:00	50.9	66.5	49.6	48.1
7:00	58.2	84.5	48.2	46.7
8:00	55.6	81.9	49.5	46.4
9:00	50.4	71.3	45.4	43.5
10:00	48.2	65.9	43.8	41.5
11:00	46.8	65.1	43.6	41.2
12:00	50.3	71.4	44.5	42.1
13:00	48.6	64.5	45.8	43.7
14:00	54.1	74.6	51.1	46.5

Daytime (7 a.m. - 10 p.m.)
Nighttime (10 p.m. - 7 a.m.)

Averages			
Leq	Lmax	L50	L90
51.9	70.3	46.6	44.3
46.4	59.1	44.0	42.6

Daytime (7 a.m. - 10 p.m.)
Nighttime (10 p.m. - 7 a.m.)

Uppermost-Level			
Leq	Lmax	L50	L90
58.2	84.5	51.1	46.7
50.9	66.5	49.6	48.1

Percentage of Energy	
Daytime	85%
Nighttime	15%

Calculated L _{dn} , dBA
54.2

Long-Term 24 Hour Continuous Noise Monitoring

Model Input Sheet



Project: 60682851 - SJUSD KJMS Environmental

Date: Thursday, June 02, 2022

to

Friday, June 03, 2022

Site: LT-01

Hour	Leq	Lmax	L50	L90
15:00	48.8	71.6	45.4	43.2
16:00	49.8	73.3	45.6	43.5
17:00	46.7	66.7	44.3	42.5
18:00	49.0	64.0	46.9	44.8
19:00	50.7	68.2	48.5	45.9
20:00	51.6	70.2	48.4	46.3
21:00	48.9	60.8	47.8	46.2
22:00	48.6	60.0	47.0	45.4
23:00	46.2	61.2	44.1	42.7
0:00	43.3	59.5	42.6	41.4
1:00	43.0	57.6	42.1	40.7
2:00	41.2	52.8	40.8	39.4
3:00	41.2	55.9	40.6	39.2
4:00	42.2	54.6	42.0	40.7
5:00	48.7	63.5	47.1	45.7
6:00	50.9	66.5	49.6	48.1
7:00	58.2	84.5	48.2	46.7
8:00	55.6	81.9	49.5	46.4
9:00	50.4	71.3	45.4	43.5
10:00	48.2	65.9	43.8	41.5
11:00	46.8	65.1	43.6	41.2
12:00	50.3	71.4	44.5	42.1
13:00	48.6	64.5	45.8	43.7
14:00	54.1	74.6	51.1	46.5

Daytime (7 a.m. - 7 p.m.)
 Evening (7 p.m. - 9 p.m.)
 Nighttime (9 p.m. - 7 a.m.)

Averages			
Leq	Lmax	L50	L90
52.2	71.2	46.2	43.8
50.5	66.4	48.2	46.1
46.4	59.1	44.0	42.6

Daytime (7 a.m. - 7 p.m.)
 Evening (7 p.m. - 9 p.m.)
 Nighttime (9 p.m. - 7 a.m.)

Uppermost-Level			
Leq	Lmax	L50	L90
58.2	84.5	51.1	46.7
51.6	70.2	48.5	46.3
50.9	66.5	49.6	48.1

Percentage of Energy	
Daytime	73%
Evening	12%
Nighttime	15%

Calculated CNEL, dBA
54.6

**Long-Term 24 Hour Continuous Noise Monitoring
Model Input Sheet**



Project: 60682851 - SJUSD KJMS Environmental

Date: Thursday, June 02, 2022 to Friday, June 03, 2022

Site: LT-02

Hour	Leq	Lmax	L50	L90
15:00	60.2	85.3	46.8	45.0
16:00	52.1	72.4	48.4	45.2
17:00	49.2	65.2	46.5	44.1
18:00	49.2	69.8	45.4	43.2
19:00	51.1	68.7	48.7	45.4
20:00	50.7	70.2	46.0	44.4
21:00	47.8	64.9	46.3	44.6
22:00	48.1	61.9	45.6	44.2
23:00	51.1	77.9	43.6	42.1
0:00	43.4	60.7	42.5	41.2
1:00	43.1	59.4	41.8	40.3
2:00	40.1	55.3	39.7	38.7
3:00	39.8	57.6	39.3	38.4
4:00	41.1	59.7	40.3	39.2
5:00	47.5	62.8	44.7	43.3
6:00	50.2	63.5	48.2	46.7
7:00	51.1	65.8	47.3	45.4
8:00	49.8	63.0	48.1	45.9
9:00	52.1	69.3	48.5	45.1
10:00	50.7	65.2	47.4	42.7
11:00	50.3	65.1	47.7	44.8
12:00	52.9	77.9	47.8	44.3
13:00	49.5	69.7	46.7	44.5
14:00	56.0	77.9	52.8	48.5

Daytime (7 a.m. - 10 p.m.)
Nighttime (10 p.m. - 7 a.m.)

Averages			
Leq	Lmax	L50	L90
53.0	70.0	47.6	44.9
46.8	62.1	42.9	41.6

Daytime (7 a.m. - 10 p.m.)
Nighttime (10 p.m. - 7 a.m.)

Uppermost-Level			
Leq	Lmax	L50	L90
60.2	85.3	52.8	48.5
51.1	77.9	48.2	46.7

Percentage of Energy	
Daytime	87%
Nighttime	13%

Calculated L _{dn} , dBA
54.8

Long-Term 24 Hour Continuous Noise Monitoring Model Input Sheet



Project: 60682851 - SJUSD KJMS Environmental

Date: Thursday, June 02, 2022

to

Friday, June 03, 2022

Site: LT-02

Hour	Leq	Lmax	L50	L90
15:00	60.2	85.3	46.8	45.0
16:00	52.1	72.4	48.4	45.2
17:00	49.2	65.2	46.5	44.1
18:00	49.2	69.8	45.4	43.2
19:00	51.1	68.7	48.7	45.4
20:00	50.7	70.2	46.0	44.4
21:00	47.8	64.9	46.3	44.6
22:00	48.1	61.9	45.6	44.2
23:00	51.1	77.9	43.6	42.1
0:00	43.4	60.7	42.5	41.2
1:00	43.1	59.4	41.8	40.3
2:00	40.1	55.3	39.7	38.7
3:00	39.8	57.6	39.3	38.4
4:00	41.1	59.7	40.3	39.2
5:00	47.5	62.8	44.7	43.3
6:00	50.2	63.5	48.2	46.7
7:00	51.1	65.8	47.3	45.4
8:00	49.8	63.0	48.1	45.9
9:00	52.1	69.3	48.5	45.1
10:00	50.7	65.2	47.4	42.7
11:00	50.3	65.1	47.7	44.8
12:00	52.9	77.9	47.8	44.3
13:00	49.5	69.7	46.7	44.5
14:00	56.0	77.9	52.8	48.5

Daytime (7 a.m. - 7 p.m.)
Evening (7 p.m. - 9 p.m.)
Nighttime (9 p.m. - 7 a.m.)

Averages			
Leq	Lmax	L50	L90
53.5	70.6	47.8	44.9
50.1	67.9	47.0	44.8
46.8	62.1	42.9	41.6

Daytime (7 a.m. - 7 p.m.)
Evening (7 p.m. - 9 p.m.)
Nighttime (9 p.m. - 7 a.m.)

Uppermost-Level			
Leq	Lmax	L50	L90
60.2	85.3	52.8	48.5
51.1	70.2	48.7	45.4
51.1	77.9	48.2	46.7

Percentage of Energy	
Daytime	78%
Evening	9%
Nighttime	13%

Calculated CNEL, dBA
55.2

**Long-Term 24 Hour Continuous Noise Monitoring
Model Input Sheet**



Project: 60682851 - SJUSD KJMS Environmental

Date: Thursday, June 02, 2022 to Friday, June 03, 2022

Site: LT-03

Hour	Leq	Lmax	L50	L90
16:00	53.2	67.1	52.1	49.7
17:00	53.2	67.4	52.1	49.9
18:00	58.1	80.0	53.5	50.0
19:00	64.9	85.3	60.5	54.5
20:00	60.7	78.3	58.0	52.4
21:00	51.4	67.3	49.8	47.6
22:00	49.1	63.6	48.3	46.6
23:00	48.4	63.7	45.9	43.8
0:00	46.7	57.1	46.3	43.6
1:00	47.3	62.4	46.5	43.8
2:00	46.5	58.7	45.8	43.1
3:00	46.1	58.7	45.3	42.8
4:00	47.1	59.3	46.3	44.3
5:00	52.1	65.3	50.4	48.7
6:00	52.7	65.4	51.2	49.6
7:00	52.8	67.7	50.5	48.8
8:00	51.8	67.9	49.8	48.1
9:00	51.7	65.4	49.1	46.5
10:00	51.3	67.4	49.0	46.3
11:00	51.8	69.6	47.9	46.1
12:00	56.1	78.9	50.5	47.9
13:00	53.5	66.1	51.7	49.3
14:00	54.7	69.4	53.1	51.0
15:00	55.8	67.2	54.7	51.5

Daytime (7 a.m. - 10 p.m.)
Nighttime (10 p.m. - 7 a.m.)

Averages			
Leq	Lmax	L50	L90
57.0	71.0	52.1	49.3
49.1	61.6	47.3	45.2

Daytime (7 a.m. - 10 p.m.)
Nighttime (10 p.m. - 7 a.m.)

Uppermost-Level			
Leq	Lmax	L50	L90
64.9	85.3	60.5	54.5
52.7	65.4	51.2	49.6

Percentage of Energy	
Daytime	91%
Nighttime	9%

Calculated L _{dn} , dBA
57.9

Long-Term 24 Hour Continuous Noise Monitoring

Model Input Sheet



Project: 60682851 - SJUSD KJMS Environmental

Date: Thursday, June 02, 2022

to

Friday, June 03, 2022

Site: LT-03

Hour	Leq	Lmax	L50	L90
16:00	53.2	67.1	52.1	49.7
17:00	53.2	67.4	52.1	49.9
18:00	58.1	80.0	53.5	50.0
19:00	64.9	85.3	60.5	54.5
20:00	60.7	78.3	58.0	52.4
21:00	51.4	67.3	49.8	47.6
22:00	49.1	63.6	48.3	46.6
23:00	48.4	63.7	45.9	43.8
0:00	46.7	57.1	46.3	43.6
1:00	47.3	62.4	46.5	43.8
2:00	46.5	58.7	45.8	43.1
3:00	46.1	58.7	45.3	42.8
4:00	47.1	59.3	46.3	44.3
5:00	52.1	65.3	50.4	48.7
6:00	52.7	65.4	51.2	49.6
7:00	52.8	67.7	50.5	48.8
8:00	51.8	67.9	49.8	48.1
9:00	51.7	65.4	49.1	46.5
10:00	51.3	67.4	49.0	46.3
11:00	51.8	69.6	47.9	46.1
12:00	56.1	78.9	50.5	47.9
13:00	53.5	66.1	51.7	49.3
14:00	54.7	69.4	53.1	51.0
15:00	55.8	67.2	54.7	51.5

Daytime (7 a.m. - 7 p.m.)
 Evening (7 p.m. - 9 p.m.)
 Nighttime (9 p.m. - 7 a.m.)

Averages			
Leq	Lmax	L50	L90
54.2	69.5	51.2	48.8
61.6	77.0	56.1	51.5
49.1	61.6	47.3	45.2

Daytime (7 a.m. - 7 p.m.)
 Evening (7 p.m. - 9 p.m.)
 Nighttime (9 p.m. - 7 a.m.)

Uppermost-Level			
Leq	Lmax	L50	L90
58.1	80.0	54.7	51.5
64.9	85.3	60.5	54.5
52.7	65.4	51.2	49.6

Percentage of Energy	
Daytime	38%
Evening	53%
Nighttime	9%

Calculated CNEL, dBA
59.9

Long-Term 24 Hour Continuous Noise Monitoring
Model Input Sheet

Project: 60682851 - SJUSD KJMS Environmental
Date: Thursday, June 02, 2022
Site: ST-01



Hour	Leq	Lmax	L50	L90
15:05	48.7	61.3	45.2	43.7

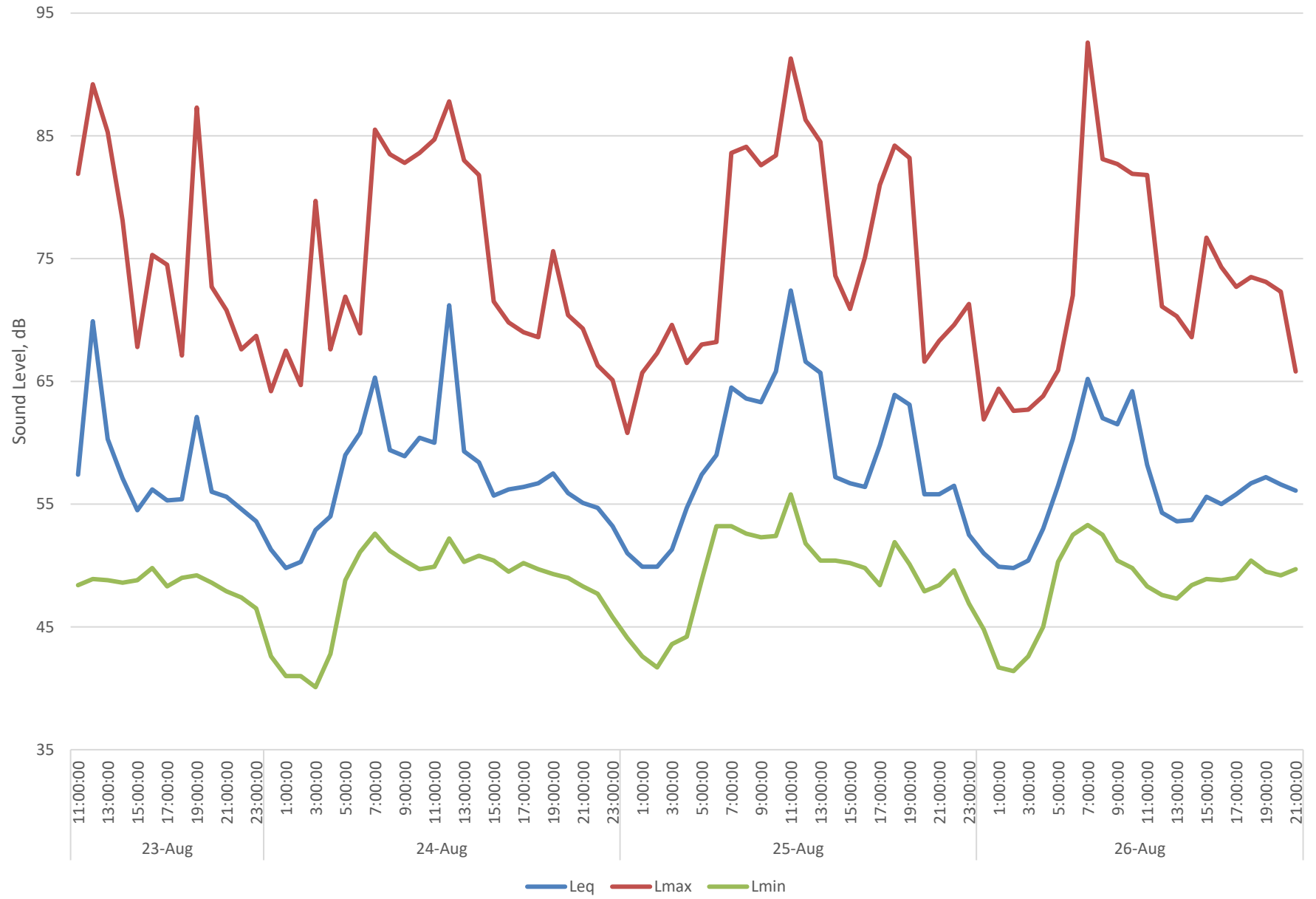
Daytime (7 a.m. - 10 p.m.)

Averages			
Leq	Lmax	L50	L90
48.7	61.3	45.2	43.7

Date	Time	Leq	Lmax	Lmin	L(2)	L(8)	L(25)	L(50)	L(90)	L(95)
23-Aug	11:00:00	57.4	81.9	48.4	59.7	56.7	53.9	52.2	50.2	49.9
	12:00:00	69.9	89.2	48.9	78.2	74.4	69.9	63.6	51.6	50.4
	13:00:00	60.3	85.3	48.8	63.6	58.7	55.3	53.2	50.6	50.1
	14:00:00	57.1	78.1	48.6	63.5	59.6	55.8	53.8	50.6	50
	15:00:00	54.5	67.8	48.8	60.7	57.5	54.7	52.9	50.5	50.1
	16:00:00	56.2	75.3	49.8	61.3	58.5	56.3	54.7	52.3	51.7
	17:00:00	55.3	74.5	48.3	60.3	57.3	55	53.5	51.2	50.7
	18:00:00	55.4	67.1	49	60.6	58	55.9	54.4	52	51.2
	19:00:00	62.1	87.3	49.2	69.6	64.3	60	57	53.3	52.4
	20:00:00	56	72.7	48.6	60.9	58.5	56.6	55.1	51.8	51.1
	21:00:00	55.6	70.8	47.9	61.2	58	56.1	54.6	51	50.3
	22:00:00	54.6	67.6	47.4	58.9	56.9	55.4	53.9	51	50.1
	23:00:00	53.6	68.7	46.5	59.7	56.4	53.9	52	49.1	48.4
24-Aug	0:00:00	51.3	64.2	42.6	56.9	54.4	52.3	50.2	46	44.7
	1:00:00	49.8	67.5	41	55.7	53.1	50.5	48	43.9	43.1
	2:00:00	50.3	64.7	41	56.9	53.9	51.2	48.2	43.4	42.6
	3:00:00	52.9	79.7	40.1	56.6	54	51.6	49.1	44	42.5
	4:00:00	54	67.6	42.8	60.1	57.7	55	52.4	47.2	45.7
	5:00:00	59	71.9	48.8	63.9	62.1	60.1	58.2	53.1	51.9
	6:00:00	60.8	68.9	51.1	64.8	63.4	61.9	60.6	56	54.6
	7:00:00	65.3	85.5	52.6	74.5	69.8	61.8	58.5	55.8	55
	8:00:00	59.4	83.5	51.2	63.1	58.3	56.6	55.4	53.4	52.9
	9:00:00	58.9	82.8	50.4	61.1	58.7	56.3	54.7	52.4	51.8
	10:00:00	60.4	83.6	49.7	65	61.8	58.3	55.5	52.3	51.6
	11:00:00	60	84.7	49.9	61	58.3	56	54.7	52.4	51.9
	12:00:00	71.2	87.8	52.2	79.9	75.8	71.5	65	55.1	54.2
	13:00:00	59.3	83	50.3	62.6	58.8	56.9	55.3	52.8	52.2
	14:00:00	58.4	81.8	50.8	63.1	60.5	57.9	56	53.3	52.6
	15:00:00	55.7	71.5	50.4	60.5	58	56.3	54.8	52.2	51.7
	16:00:00	56.2	69.8	49.5	61.6	58.8	56.6	55.3	52.7	51.8
	17:00:00	56.4	69	50.2	60.4	58.6	57.1	55.9	52.9	52.1
	18:00:00	56.7	68.6	49.7	60	58.8	57.6	56.4	53.3	52.3
	19:00:00	57.5	75.6	49.3	61.9	59.5	57.8	56.3	53.1	52
	20:00:00	55.9	70.4	49	59.7	58	56.7	55.3	52.2	51.4
	21:00:00	55.1	69.3	48.3	58.9	57.4	56.1	54.6	51.3	50.6
	22:00:00	54.7	66.3	47.7	58.9	57.4	55.6	54	51.1	50.5
	23:00:00	53.2	65.1	45.8	57.9	55.8	53.8	52.3	49	48.2
25-Aug	0:00:00	51	60.8	44.1	56.5	54.3	51.8	49.9	46.5	45.7
	1:00:00	49.9	65.7	42.6	55.1	52.9	50.5	48.3	44.7	44.1
	2:00:00	49.9	67.3	41.7	56.4	52.9	50.2	47.9	44	43.3
	3:00:00	51.3	69.6	43.6	56.9	54.6	52	49.8	46.1	45.4

Date	Time	Leq	Lmax	Lmin	L(2)	L(8)	L(25)	L(50)	L(90)	L(95)
	4:00:00	54.7	66.5	44.2	60.5	58	55.6	53.4	48.7	47.5
	5:00:00	57.4	68	48.8	62.4	60.5	58.3	56.5	52.9	51.6
	6:00:00	59	68.2	53.2	62.6	61.1	59.9	58.6	55.7	55
	7:00:00	64.5	83.6	53.2	73.1	68.3	62.5	59.2	56.1	55.3
	8:00:00	63.6	84.1	52.6	70.6	67.3	62.8	58.8	55.3	54.5
	9:00:00	63.3	82.6	52.3	70.9	66.6	61.9	58.9	55.4	54.6
	10:00:00	65.8	83.4	52.4	74.2	69.7	65.3	60.1	56.3	55.3
	11:00:00	72.4	91.3	55.8	80.5	76.9	72.7	68.4	61	59.5
	12:00:00	66.6	86.3	51.8	75.1	70.9	65.2	60	54.9	54
	13:00:00	65.7	84.5	50.4	74.2	70.9	65.5	58.2	52.8	52.1
	14:00:00	57.2	73.6	50.4	63.7	59.1	56.9	55.3	53	52.3
	15:00:00	56.7	70.9	50.2	62	59	57.3	55.6	53.2	52.6
	16:00:00	56.4	75.1	49.8	61.2	58.5	56.5	55	52.3	51.6
	17:00:00	59.8	81	48.4	65.4	58.5	56.6	55.4	53.3	52.6
	18:00:00	63.9	84.2	51.9	73.6	66.1	61.3	58.9	55.8	55
	19:00:00	63.1	83.2	50.1	72.6	64.1	60.1	57.8	53.8	52.8
	20:00:00	55.8	66.6	47.9	60.1	58.1	56.7	55.3	52.2	51.3
	21:00:00	55.8	68.3	48.4	60.2	58.5	56.8	55.2	52	51.2
	22:00:00	56.5	69.6	49.6	60.4	58.9	57.4	55.6	53	52.2
	23:00:00	52.5	71.3	46.9	57	54.6	52.8	51.5	49	48.4
26-Aug	0:00:00	51	61.9	44.8	56.1	53.7	51.8	49.8	47	46.4
	1:00:00	49.9	64.4	41.7	55.5	52.8	50.5	48.5	45.5	44.7
	2:00:00	49.8	62.6	41.4	56.2	53.3	50.2	48	44.9	44.1
	3:00:00	50.4	62.7	42.6	56	53.9	50.9	48.8	45.4	44.6
	4:00:00	53	63.8	45	58.5	56.7	53.7	51.3	48.2	47.4
	5:00:00	56.5	65.9	50.3	61.3	59.1	57.5	55.6	52.8	52
	6:00:00	60.3	72	52.5	67.7	63.5	60.5	58.4	55	54.3
	7:00:00	65.2	92.6	53.3	74.3	66.8	59.9	57.9	55.3	54.6
	8:00:00	62	83.1	52.5	68.9	64.7	60.8	56.8	54.6	54.1
	9:00:00	61.5	82.7	50.4	67.8	62.6	58	55.9	53.1	52.4
	10:00:00	64.2	81.9	49.8	73.1	68	64.3	56.8	52.1	51.4
	11:00:00	58.2	81.8	48.3	65.3	61.5	55.1	52.5	50	49.4
	12:00:00	54.3	71.1	47.6	61.7	56.6	53.5	51.8	49.7	49.2
	13:00:00	53.6	70.3	47.3	59.6	55.8	53.3	51.8	49.9	49.3
	14:00:00	53.7	68.6	48.4	58.8	56.2	54	52.6	50.6	50.2
	15:00:00	55.6	76.7	48.9	60.2	56.7	54.6	52.8	50.5	50.1
	16:00:00	55	74.3	48.8	60.5	57.4	55.4	53.6	51.2	50.6
	17:00:00	55.8	72.7	49	61.3	58.5	56.3	54.6	52	51.3
	18:00:00	56.7	73.5	50.4	61.8	58.7	56.9	55.5	53.2	52.5
	19:00:00	57.2	73.1	49.5	61.8	59.4	57.7	56.3	53	52
	20:00:00	56.6	72.3	49.2	60.6	58.9	57.5	56.1	52.5	51.7
	21:00:00	56.1	65.8	49.7	60.8	58.8	57	55.4	52.1	51.3

50 Feet from School Basketbal Field



Date	Time	Leq	Lmax	Lmin	L(2)	L(8)	L(25)	L(50)	L(90)	L(95)
23-Aug	11:00:00	48.2	67.8	38.9	52.5	50.1	48	46.3	43.6	42.9
	12:00:00	56.8	73.4	41.5	65.1	60.9	56.8	52.2	45.3	44.4
	13:00:00	51.4	69.8	40.3	57.7	54.7	51.4	49.2	45.3	44.4
	14:00:00	53.9	72.4	39.9	59.9	57.2	54.6	52.1	47.3	46
	15:00:00	52.5	66.6	40	58.2	55.9	53.6	51.2	45.6	43.4
	16:00:00	54	69.4	43.9	58.5	56.9	55.1	53.1	49.3	47.8
	17:00:00	54.3	74.5	44.9	58.7	56.8	55	53.2	49.9	49
	18:00:00	54.6	63.8	42	58.7	57.3	55.7	54	50.2	48.6
	19:00:00	55.4	64.9	43.5	58.7	57.4	56.2	55.2	52.8	51.7
	20:00:00	53.2	69.4	41.9	58.2	56.7	54.8	51.7	46.4	45.3
	21:00:00	49.6	65.2	41	55.2	52.3	50.4	48.7	44.7	43.8
	22:00:00	47.5	59.5	39.1	52.6	50.3	48.5	46.7	42.1	41.2
	23:00:00	46.6	61.4	38.5	52.5	49.7	47.2	45.2	41.9	41.2
24-Aug	0:00:00	45	57.3	35.4	51.1	48.2	45.8	43.5	39.2	38
	1:00:00	43.6	60.1	33.6	49.1	47.1	44.6	42	37.4	36.1
	2:00:00	44.3	57.5	33.9	51	48.1	45.1	42.2	36.9	36
	3:00:00	47.2	77.3	34.3	50.1	47.5	45.1	42.7	37.5	36.4
	4:00:00	47.7	62.5	36.7	53.9	51.4	48.6	46.2	41	39.4
	5:00:00	52.4	65.1	41.6	57.3	55.5	53.4	51.6	46.7	45.4
	6:00:00	54.4	64.7	43.7	58.3	57	55.6	54	49.1	47.6
	7:00:00	54.9	73.8	44.3	59	57.3	55.4	53.7	50.5	49.2
	8:00:00	54.7	72.8	42.5	58.9	56.5	54.6	53.1	49.7	48.6
	9:00:00	53	70	43.5	58	55.8	53.6	51.6	47.4	46.6
	10:00:00	52.9	72.5	42.7	57.5	55.4	52.9	50.5	47.1	46
	11:00:00	51.7	69.6	41.1	57.1	54.6	51.9	49.8	46.6	45.9
	12:00:00	57.5	75.6	43.5	65.2	61	57.3	53.9	48.1	47
	13:00:00	53.3	71.7	41.1	58.2	55.6	53.2	51.1	47.3	46.2
	14:00:00	53.6	73.1	42	60.7	56.7	53	50.5	46.3	45.4
	15:00:00	52.4	64.2	41.2	58	55.9	53.5	51.1	46.5	45.2
	16:00:00	52.8	62.4	41.3	58.1	56.4	54	51.6	46.7	45.5
	17:00:00	53.7	61.1	43.2	58.1	56.7	54.8	53	49.4	48.2
	18:00:00	54.5	63.7	45.5	58.5	57.1	55.6	54	50.8	50
	19:00:00	54.7	74.4	46.2	58.7	57.1	55.1	53.5	50.6	49.7
	20:00:00	52.7	65.2	42	58.1	56.3	53.9	51.4	46.8	45.6
	21:00:00	48.5	70	41	52.3	50.7	49.1	47.6	44.3	43.5
	22:00:00	47	58.5	40	51.7	49.7	47.8	46.1	43	42.2
	23:00:00	46.2	57.3	38.8	50.9	48.8	46.9	45.4	42.3	41.5
25-Aug	0:00:00	44.2	54.1	37.5	49.7	47.4	45	43.2	39.7	39
	1:00:00	43.9	56.8	36	49.2	47.1	44.9	42.5	38.4	37.7
	2:00:00	43.4	60.2	35.1	50	46.6	43.6	41.3	37.3	36.6
	3:00:00	44.4	55.3	36.5	50.4	47.8	45.2	43	39.1	38.4

Date	Time	Leq	Lmax	Lmin	L(2)	L(8)	L(25)	L(50)	L(90)	L(95)
	4:00:00	48.1	59.5	37.3	53.9	51.6	49.3	46.7	41.9	40.5
	5:00:00	50.8	60.4	41.7	55.7	53.9	51.8	50	46.3	45.1
	6:00:00	52.1	62.1	45.9	56	54.6	53.1	51.8	48.6	48
	7:00:00	53.6	70.4	46.5	58.7	55.7	53.7	52	49.4	48.9
	8:00:00	56.9	79.1	44.6	64	58.8	55.7	53.5	50.1	49.2
	9:00:00	55.9	77.3	44.9	62.6	58	55.2	53	49.4	48.4
	10:00:00	57.5	81.8	46.8	64.3	60.2	56.7	54.5	51.4	50.4
	11:00:00	56.9	74	47	63.7	59.9	57	54.6	51.2	50.3
	12:00:00	57.1	74.8	45	65.7	61	56.7	52.9	48.2	47.3
	13:00:00	56.2	72.9	42.4	64.2	59.9	56.2	52.9	47.6	46.5
	14:00:00	52.8	65.5	44.9	58.5	56.3	53.5	51.1	47.9	47.1
	15:00:00	53.5	65.7	43.6	58.7	56.8	54.5	52.3	48.1	46.7
	16:00:00	53.5	66.5	44	59.4	56.8	54.2	51.9	48.7	48
	17:00:00	53.7	68.1	41.6	60.1	57.1	54.3	51.8	47.9	47
	18:00:00	54.8	68.8	43	60.3	57.7	55.6	53.5	49.4	48.2
	19:00:00	55.6	67.1	44.8	60.8	58.3	56.4	54.6	51.2	50.2
	20:00:00	54.1	64	41.8	58.4	57	55.4	53.6	48.3	46.9
	21:00:00	50	60.2	41.6	55.1	52.6	50.8	49.1	45.8	44.8
	22:00:00	48.5	64	41.4	54	51.1	49	47.2	44.2	43.6
	23:00:00	45.2	56.4	39.9	49.8	47.5	45.7	44.3	42	41.4
26-Aug	0:00:00	44.2	54.9	38.1	49.3	46.8	44.9	43.1	40.4	40
	1:00:00	43.8	57.1	36.1	49.3	47.2	44.5	42.1	39.2	38.4
	2:00:00	43.3	54.8	35.1	49.8	46.8	43.7	41.5	38.3	37.4
	3:00:00	44	56.7	36	49.8	47.4	44.7	42.4	39.2	38.4
	4:00:00	46.6	57	39.2	52.6	50.4	47.2	44.8	41.7	41.1
	5:00:00	50.1	60.4	42.8	55.1	52.9	51	49.2	46.2	45.4
	6:00:00	58.9	81	44.9	68.8	60.9	54	51.8	47.9	47.1
	7:00:00	52.9	68.1	47.1	58	54.8	53	51.6	49.2	48.5
	8:00:00	56.7	86.3	46.5	64.3	58.3	52.2	50.3	48.2	47.7
	9:00:00	57.4	83.2	45.5	66.1	59.3	53.3	50.3	47.4	46.9
	10:00:00	57	80	40.7	66.5	60.1	53.8	50.1	45.9	45.1
	11:00:00	52.7	78.7	40.9	60.7	55.5	50.2	47.3	44.2	43.5
	12:00:00	50	65.3	39.6	56	53.3	50.4	48.2	45	44.2
	13:00:00	48.6	63	39.9	55.3	51.6	49.1	47.1	43.6	42.6
	14:00:00	49.7	62.4	41.6	55.6	52.9	50.4	48.2	45	44.3
	15:00:00	50.8	66.8	41.3	57.5	54.1	51	48.7	44.9	44.1
	16:00:00	53.8	61.4	42.6	59	57.2	55	52.8	48.5	47.1
	17:00:00	54.7	62	45.5	58.7	57.4	55.7	54.1	51.2	50.4
	18:00:00	55.6	69	47.5	59.7	58.1	56.5	54.9	52	51.2
	19:00:00	55.2	64.9	42.7	59.1	57.7	56.2	54.8	51.1	48.8
	20:00:00	53.8	66.6	43	58.3	56.9	55.3	53	47.7	46.4
	21:00:00	49.9	66.8	42.6	56.3	52.4	50.4	48.6	45	44.4

100 feet from the School Soccer Field



Project-Generated Construction Source Noise Prediction Model

60682851 - SJUSD KJMS Environmental



Location	Distance to Nearest Receiver in feet	Combined Predicted Noise Level (L _{eq} dBA)	Assumptions:	Reference Emission Noise Levels (L _{max}) at 50 feet ¹	Usage Factor ¹
Threshold*	362	City (45 Int+25)	Dump Truck	76	0.4
	114	City	Backhoe	78	0.4
	114	FTA	Man Lift	75	0.2
			Grader	85	0.4
	50	87	Compressor (air)	78	0.4
LT-01	450	68	Scraper	84	0.4
LT-02	2400	54	Pneumatic Tools	85	0.5
LT-03	2500	53	Drill Rig Truck	79	0.2
LT-04	100	81	Excavator	81	0.4
ST-01	200	75			
ST-02	100	81			

Ground Type Hard
Ground Factor 0.00

Predicted Noise Level ²	L _{eq} dBA at 50 feet ²
Dump Truck	72.0
Backhoe	74.0
Man Lift	68.0
Grader	81.0
Compressor (air)	74.0
Scraper	80.0
Pneumatic Tools	82.0
Drill Rig Truck	72.0
Excavator	77.0

Combined Predicted Noise Level (L_{eq} dBA at 50 feet)

87.2

Sources:

¹ Obtained from the FHWA Roadway Construction Noise Model, January 2006.

² Based on the following from the Federal Transit Noise and Vibration Impact Assessment, 2006.

$$L_{eq}(\text{equip}) = E.L. + 10 \cdot \log(U.F.) - 20 \cdot \log(D/50) - 10 \cdot G \cdot \log(D/50)$$

Where: E.L. = Emission Level;

U.F. = Usage Factor;

G = Constant that accounts for topography and ground effects; and

D = Distance from source to receiver.

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : Leq

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

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Kent Drive	Miramar Road	North of Miramar Road	6	15	50	97	1	2	87	0	13	
2	Kent Drive	Miramar Road	South of Miramar Road	26	15	50	97	1	2	87	0	13	
3	Miramar Road	Kent Drive	East of Kent Drive	11	15	50	97	1	2	87	0	13	
4	Morse Avenue	Miramar Road	North of Miramar Road	172	15	50	97	1	2	87	0	13	
5	Morse Avenue	Miramar Road	South of Miramar Road	170	20	50	97	1	2	87	0	13	
6	Miramar Road	Morse Avenue	West of Morse Avenue	22	20	50	97	1	2	87	0	13	
7	Belpport Lane	Elvyra Way	North of Miramar Road	9	20	50	97	1	2	87	0	13	
8	Belpport Lane	Elvyra Way	South of Miramar Road	67	20	50	97	1	2	87	0	13	
9	Elvyra Way	Belpport Lane	West of Belpport Lane	68	20	50	97	1	2	87	0	13	
10	Belpport Lane	El Camino Avenue	North of El Camino Avenue	116	20	50	97	1	2	87	0	13	
11	El Camino Avenue	Belpport Lane	East of Belpport Lane	1348	15	50	97	1	2	87	0	13	
12	El Camino Avenue	Belpport Lane	West of Belpport Lane	1344	30	50	97	1	2	87	0	13	
13	Kent Drive	El Camino Avenue	North of El Camino Avenue	43	30	50	97	1	2	87	0	13	
14	El Camino Avenue	Kent Drive	East of Kent Drive	1341	20	50	97	1	2	87	0	13	
15	El Camino Avenue	Kent Drive	West of Kent Drive	1356	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Leq

Segment	Roadway	Segment		Noise Levels, dB Leq				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Kent Drive	Miramar Road	North of Miramar R	31.3	26.0	38.1	39.1	0	0	0	1	4
2	Kent Drive	Miramar Road	South of Miramar F	37.7	32.4	44.5	45.5	0	1	2	6	18
3	Miramar Road	Kent Drive	East of Kent Drive	34.0	28.7	40.7	41.8	0	0	1	2	8
4	Morse Avenue	Miramar Road	North of Miramar R	45.9	40.6	52.7	53.7	1	4	12	37	117
5	Morse Avenue	Miramar Road	South of Miramar F	49.5	42.5	53.8	55.4	2	5	17	54	172
6	Miramar Road	Morse Avenue	West of Morse Ave	40.6	33.6	44.9	46.5	0	1	2	7	22
7	Belpport Lane	Elvyra Way	North of Miramar R	36.7	29.7	41.0	42.6	0	0	1	3	9
8	Belpport Lane	Elvyra Way	South of Miramar F	45.4	38.5	49.7	51.3	1	2	7	21	68
9	Elvyra Way	Belpport Lane	West of Belpport La	45.5	38.5	49.8	51.4	1	2	7	22	69
10	Belpport Lane	El Camino Avenue	North of El Camino	47.8	40.8	52.1	53.7	1	4	12	37	117
11	El Camino Avenue	Belpport Lane	East of Belpport Lan	54.9	49.5	61.6	62.7	9	29	92	291	920
12	El Camino Avenue	Belpport Lane	West of Belpport La	63.5	54.2	64.4	67.2	26	83	262	828	2618
13	Kent Drive	El Camino Avenue	North of El Camino	48.6	39.3	49.4	52.2	1	3	8	26	84
14	El Camino Avenue	Kent Drive	East of Kent Drive	58.4	51.5	62.7	64.3	14	43	136	429	1355
15	El Camino Avenue	Kent Drive	West of Kent Drive	63.6	54.3	64.4	67.2	26	84	264	835	2641

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : Leq

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

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Kent Drive	Miramar Road	North of Miramar Road	3	15	50	97	1	2	87	0	13	
2	Kent Drive	Miramar Road	South of Miramar Road	294	15	50	97	1	2	87	0	13	
3	Miramar Road	Kent Drive	East of Kent Drive	126	15	50	97	1	2	87	0	13	
4	Morse Avenue	Miramar Road	North of Miramar Road	188	15	50	97	1	2	87	0	13	
5	Morse Avenue	Miramar Road	South of Miramar Road	270	20	50	97	1	2	87	0	13	
6	Miramar Road	Morse Avenue	West of Morse Avenue	138	20	50	97	1	2	87	0	13	
7	Belport Lane	Elvyra Way	North of Miramar Road	10	20	50	97	1	2	87	0	13	
8	Belport Lane	Elvyra Way	South of Miramar Road	67	20	50	97	1	2	87	0	13	
9	Elvyra Way	Belport Lane	West of Belport Lane	69	20	50	97	1	2	87	0	13	
10	Belport Lane	El Camino Avenue	North of El Camino Avenue	116	20	50	97	1	2	87	0	13	
11	El Camino Avenue	Belport Lane	East of Belport Lane	1596	15	50	97	1	2	87	0	13	
12	El Camino Avenue	Belport Lane	West of Belport Lane	1592	30	50	97	1	2	87	0	13	
13	Kent Drive	El Camino Avenue	North of El Camino Avenue	313	30	50	97	1	2	87	0	13	
14	El Camino Avenue	Kent Drive	East of Kent Drive	1371	20	50	97	1	2	87	0	13	
15	El Camino Avenue	Kent Drive	West of Kent Drive	1596	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Leq

Segment	Roadway	Segment		Noise Levels, dB Leq				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Kent Drive	Miramar Road	North of Miramar R	28.3	23.0	35.1	36.1	0	0	0	1	2
2	Kent Drive	Miramar Road	South of Miramar F	48.2	42.9	55.0	56.0	2	6	20	63	201
3	Miramar Road	Kent Drive	East of Kent Drive	44.6	39.2	51.3	52.4	1	3	9	27	86
4	Morse Avenue	Miramar Road	North of Miramar R	46.3	41.0	53.0	54.1	1	4	13	41	128
5	Morse Avenue	Miramar Road	South of Miramar F	51.5	44.5	55.8	57.4	3	9	27	86	273
6	Miramar Road	Morse Avenue	West of Morse Ave	48.6	41.6	52.8	54.5	1	4	14	44	139
7	Belpport Lane	Elvyra Way	North of Miramar R	37.2	30.2	41.5	43.1	0	0	1	3	10
8	Belpport Lane	Elvyra Way	South of Miramar F	45.4	38.5	49.7	51.3	1	2	7	21	68
9	Elvyra Way	Belpport Lane	West of Belpport La	45.5	38.6	49.8	51.4	1	2	7	22	70
10	Belpport Lane	El Camino Avenue	North of El Camino	47.8	40.8	52.1	53.7	1	4	12	37	117
11	El Camino Avenue	Belpport Lane	East of Belpport Lan	55.6	50.3	62.3	63.4	11	34	109	345	1090
12	El Camino Avenue	Belpport Lane	West of Belpport La	64.2	55.0	65.1	67.9	31	98	310	981	3101
13	Kent Drive	El Camino Avenue	North of El Camino	57.2	47.9	58.0	60.9	6	19	61	193	610
14	El Camino Avenue	Kent Drive	East of Kent Drive	58.5	51.6	62.8	64.4	14	44	139	438	1385
15	El Camino Avenue	Kent Drive	West of Kent Drive	64.3	55.0	65.1	67.9	31	98	311	983	3109

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : Leq

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

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Kent Drive	Miramar Road	North of Miramar Road	2	15	50	97	1	2	87	0	13	
2	Kent Drive	Miramar Road	South of Miramar Road	23	15	50	97	1	2	87	0	13	
3	Miramar Road	Kent Drive	East of Kent Drive	21	15	50	97	1	2	87	0	13	
4	Morse Avenue	Miramar Road	North of Miramar Road	255	15	50	97	1	2	87	0	13	
5	Morse Avenue	Miramar Road	South of Miramar Road	250	20	50	97	1	2	87	0	13	
6	Miramar Road	Morse Avenue	West of Morse Avenue	15	20	50	97	1	2	87	0	13	
7	Belpport Lane	Elvyra Way	North of Miramar Road	4	20	50	97	1	2	87	0	13	
8	Belpport Lane	Elvyra Way	South of Miramar Road	98	20	50	97	1	2	87	0	13	
9	Elvyra Way	Belpport Lane	West of Belpport Lane	94	20	50	97	1	2	87	0	13	
10	Belpport Lane	El Camino Avenue	North of El Camino Avenue	249	20	50	97	1	2	87	0	13	
11	El Camino Avenue	Belpport Lane	East of Belpport Lane	908	15	50	97	1	2	87	0	13	
12	El Camino Avenue	Belpport Lane	West of Belpport Lane	853	30	50	97	1	2	87	0	13	
13	Kent Drive	El Camino Avenue	North of El Camino Avenue	38	30	50	97	1	2	87	0	13	
14	El Camino Avenue	Kent Drive	East of Kent Drive	1675	20	50	97	1	2	87	0	13	
15	El Camino Avenue	Kent Drive	West of Kent Drive	1679	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Leq

Segment	Roadway	Segment		Noise Levels, dB Leq				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Kent Drive	Miramar Road	North of Miramar R	26.6	21.3	33.3	34.4	0	0	0	0	1
2	Kent Drive	Miramar Road	South of Miramar F	37.2	31.9	43.9	45.0	0	0	2	5	16
3	Miramar Road	Kent Drive	East of Kent Drive	36.8	31.5	43.5	44.6	0	0	1	5	14
4	Morse Avenue	Miramar Road	North of Miramar R	47.6	42.3	54.4	55.4	2	6	17	55	174
5	Morse Avenue	Miramar Road	South of Miramar F	51.1	44.2	55.4	57.0	3	8	25	80	253
6	Miramar Road	Morse Avenue	West of Morse Ave	38.9	32.0	43.2	44.8	0	0	2	5	15
7	Belport Lane	Elvyra Way	North of Miramar R	33.2	26.2	37.5	39.1	0	0	0	1	4
8	Belport Lane	Elvyra Way	South of Miramar F	47.1	40.1	51.4	53.0	1	3	10	31	99
9	Elvyra Way	Belport Lane	West of Belport La	46.9	39.9	51.2	52.8	1	3	9	30	95
10	Belport Lane	El Camino Avenue	North of El Camino	51.1	44.2	55.4	57.0	3	8	25	80	252
11	El Camino Avenue	Belport Lane	East of Belport Lan	53.1	47.8	59.9	60.9	6	20	62	196	620
12	El Camino Avenue	Belport Lane	West of Belport La	61.5	52.2	62.4	65.2	17	53	166	525	1662
13	Kent Drive	El Camino Avenue	North of El Camino	48.0	38.7	48.9	51.7	1	2	7	23	74
14	El Camino Avenue	Kent Drive	East of Kent Drive	59.4	52.4	63.7	65.3	17	54	169	535	1693
15	El Camino Avenue	Kent Drive	West of Kent Drive	64.5	55.2	65.3	68.2	33	103	327	1034	3271

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : Leq

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

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
	Kent Drive	Miramar Road	North of Miramar Road	0	15	50		1	2	87	0		
#VALUE!	Kent Drive	Miramar Road	South of Miramar Road	180	15	50	97	1	2	87	0	13	
#VALUE!	Miramar Road	Kent Drive	East of Kent Drive	90	15	50	97	1	2	87	0	13	
#VALUE!	Morse Avenue	Miramar Road	North of Miramar Road	235	15	50	97	1	2	87	0	13	
#VALUE!	Morse Avenue	Miramar Road	South of Miramar Road	279	20	50	97	1	2	87	0	13	
#VALUE!	Miramar Road	Morse Avenue	West of Morse Avenue	84	20	50	97	1	2	87	0	13	
#VALUE!	Belport Lane	Elvyra Way	North of Miramar Road	4	20	50	97	1	2	87	0	13	
#VALUE!	Belport Lane	Elvyra Way	South of Miramar Road	98	20	50	97	1	2	87	0	13	
#VALUE!	Elvyra Way	Belport Lane	West of Belport Lane	94	20	50	97	1	2	87	0	13	
#VALUE!	Belport Lane	El Camino Avenue	North of El Camino Avenue	141	20	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Belport Lane	East of Belport Lane	1818	15	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Belport Lane	West of Belport Lane	1801	30	50	97	1	2	87	0	13	
#VALUE!	Kent Drive	El Camino Avenue	North of El Camino Avenue	197	30	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Kent Drive	East of Kent Drive	1695	20	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Kent Drive	West of Kent Drive	1818	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Leq

Segment	Roadway	Segment		Noise Levels, dB Leq				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
	Kent Drive	Miramar Road	North of Miramar R									
#VALUE!	Kent Drive	Miramar Road	South of Miramar F	46.1	40.8	52.9	53.9	1	4	12	39	123
#VALUE!	Miramar Road	Kent Drive	East of Kent Drive	43.1	37.8	49.8	50.9	1	2	6	19	61
#VALUE!	Morse Avenue	Miramar Road	North of Miramar R	47.3	42.0	54.0	55.1	2	5	16	51	160
#VALUE!	Morse Avenue	Miramar Road	South of Miramar F	51.6	44.6	55.9	57.5	3	9	28	89	282
#VALUE!	Miramar Road	Morse Avenue	West of Morse Ave	46.4	39.4	50.7	52.3	1	3	8	27	85
#VALUE!	Belport Lane	Elvyra Way	North of Miramar R	33.2	26.2	37.5	39.1	0	0	0	1	4
#VALUE!	Belport Lane	Elvyra Way	South of Miramar F	47.1	40.1	51.4	53.0	1	3	10	31	99
#VALUE!	Elvyra Way	Belport Lane	West of Belport La	46.9	39.9	51.2	52.8	1	3	9	30	95
#VALUE!	Belport Lane	El Camino Avenue	North of El Camino	48.7	41.7	52.9	54.5	1	5	14	45	142
#VALUE!	El Camino Avenue	Belport Lane	East of Belport Lan	56.2	50.8	62.9	63.9	12	39	124	393	1241
#VALUE!	El Camino Avenue	Belport Lane	West of Belport La	64.8	55.5	65.6	68.5	35	111	351	1109	3508
#VALUE!	Kent Drive	El Camino Avenue	North of El Camino	55.2	45.9	56.0	58.9	4	12	38	121	384
#VALUE!	El Camino Avenue	Kent Drive	East of Kent Drive	59.5	52.5	63.7	65.3	17	54	171	542	1713
#VALUE!	El Camino Avenue	Kent Drive	West of Kent Drive	64.8	55.5	65.7	68.5	35	112	354	1120	3541

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : L_{dn}

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
1	Kent Drive	Miramar Road	North of Miramar Road	6	15	50	97	1	2	87	0	13	
2	Kent Drive	Miramar Road	South of Miramar Road	26	15	50	97	1	2	87	0	13	
3	Miramar Road	Kent Drive	East of Kent Drive	11	15	50	97	1	2	87	0	13	
4	Morse Avenue	Miramar Road	North of Miramar Road	172	15	50	97	1	2	87	0	13	
5	Morse Avenue	Miramar Road	South of Miramar Road	170	20	50	97	1	2	87	0	13	
6	Miramar Road	Morse Avenue	West of Morse Avenue	22	20	50	97	1	2	87	0	13	
7	Belpport Lane	Elvyra Way	North of Miramar Road	9	20	50	97	1	2	87	0	13	
8	Belpport Lane	Elvyra Way	South of Miramar Road	67	20	50	97	1	2	87	0	13	
9	Elvyra Way	Belpport Lane	West of Belpport Lane	68	20	50	97	1	2	87	0	13	
10	Belpport Lane	El Camino Avenue	North of El Camino Avenue	116	20	50	97	1	2	87	0	13	
11	El Camino Avenue	Belpport Lane	East of Belpport Lane	1348	15	50	97	1	2	87	0	13	
12	El Camino Avenue	Belpport Lane	West of Belpport Lane	1344	30	50	97	1	2	87	0	13	
13	Kent Drive	El Camino Avenue	North of El Camino Avenue	43	30	50	97	1	2	87	0	13	
14	El Camino Avenue	Kent Drive	East of Kent Drive	1341	20	50	97	1	2	87	0	13	
15	El Camino Avenue	Kent Drive	West of Kent Drive	1356	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Kent Drive	Miramar Road	North of Miramar R	30.9	25.6	37.6	38.7	0	0	0	1	4
2	Kent Drive	Miramar Road	South of Miramar F	37.3	32.0	44.0	45.1	0	1	2	5	16
3	Miramar Road	Kent Drive	East of Kent Drive	33.5	28.2	40.3	41.3	0	0	1	2	7
4	Morse Avenue	Miramar Road	North of Miramar R	45.5	40.2	52.2	53.3	1	3	11	34	106
5	Morse Avenue	Miramar Road	South of Miramar F	49.0	42.1	53.3	54.9	2	5	16	49	155
6	Miramar Road	Morse Avenue	West of Morse Ave	40.1	33.2	44.4	46.0	0	1	2	6	20
7	Belpport Lane	Elvyra Way	North of Miramar R	36.3	29.3	40.6	42.2	0	0	1	3	8
8	Belpport Lane	Elvyra Way	South of Miramar F	45.0	38.0	49.3	50.9	1	2	6	19	61
9	Elvyra Way	Belpport Lane	West of Belpport La	45.0	38.1	49.3	50.9	1	2	6	20	62
10	Belpport Lane	El Camino Avenue	North of El Camino	47.4	40.4	51.7	53.3	1	3	11	34	106
11	El Camino Avenue	Belpport Lane	East of Belpport Lan	54.4	49.1	61.2	62.2	8	26	83	263	832
12	El Camino Avenue	Belpport Lane	West of Belpport La	63.1	53.8	63.9	66.8	24	75	237	749	2367
13	Kent Drive	El Camino Avenue	North of El Camino	48.1	38.8	49.0	51.8	1	2	8	24	76
14	El Camino Avenue	Kent Drive	East of Kent Drive	58.0	51.0	62.3	63.9	12	39	123	387	1225
15	El Camino Avenue	Kent Drive	West of Kent Drive	63.1	53.8	64.0	66.8	24	76	239	755	2388

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
1	Kent Drive	Miramar Road	North of Miramar Road	3	15	50	97	1	2	87	0	13	
2	Kent Drive	Miramar Road	South of Miramar Road	294	15	50	97	1	2	87	0	13	
3	Miramar Road	Kent Drive	East of Kent Drive	126	15	50	97	1	2	87	0	13	
4	Morse Avenue	Miramar Road	North of Miramar Road	188	15	50	97	1	2	87	0	13	
5	Morse Avenue	Miramar Road	South of Miramar Road	270	20	50	97	1	2	87	0	13	
6	Miramar Road	Morse Avenue	West of Morse Avenue	138	20	50	97	1	2	87	0	13	
7	Belport Lane	Elvyra Way	North of Miramar Road	10	20	50	97	1	2	87	0	13	
8	Belport Lane	Elvyra Way	South of Miramar Road	67	20	50	97	1	2	87	0	13	
9	Elvyra Way	Belport Lane	West of Belport Lane	69	20	50	97	1	2	87	0	13	
10	Belport Lane	El Camino Avenue	North of El Camino Avenue	116	20	50	97	1	2	87	0	13	
11	El Camino Avenue	Belport Lane	East of Belport Lane	1596	15	50	97	1	2	87	0	13	
12	El Camino Avenue	Belport Lane	West of Belport Lane	1592	30	50	97	1	2	87	0	13	
13	Kent Drive	El Camino Avenue	North of El Camino Avenue	313	30	50	97	1	2	87	0	13	
14	El Camino Avenue	Kent Drive	East of Kent Drive	1371	20	50	97	1	2	87	0	13	
15	El Camino Avenue	Kent Drive	West of Kent Drive	1596	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Kent Drive	Miramar Road	North of Miramar R	27.9	22.6	34.6	35.7	0	0	0	1	2
2	Kent Drive	Miramar Road	South of Miramar F	47.8	42.5	54.5	55.6	2	6	18	57	182
3	Miramar Road	Kent Drive	East of Kent Drive	44.1	38.8	50.9	51.9	1	2	8	25	78
4	Morse Avenue	Miramar Road	North of Miramar R	45.9	40.5	52.6	53.7	1	4	12	37	116
5	Morse Avenue	Miramar Road	South of Miramar F	51.0	44.1	55.3	56.9	2	8	25	78	247
6	Miramar Road	Morse Avenue	West of Morse Ave	48.1	41.2	52.4	54.0	1	4	13	40	126
7	Belport Lane	Elvyra Way	North of Miramar R	36.7	29.8	41.0	42.6	0	0	1	3	9
8	Belport Lane	Elvyra Way	South of Miramar F	45.0	38.0	49.3	50.9	1	2	6	19	61
9	Elvyra Way	Belport Lane	West of Belport La	45.1	38.1	49.4	51.0	1	2	6	20	63
10	Belport Lane	El Camino Avenue	North of El Camino	47.4	40.4	51.7	53.3	1	3	11	34	106
11	El Camino Avenue	Belport Lane	East of Belport Lan	55.2	49.8	61.9	62.9	10	31	99	312	985
12	El Camino Avenue	Belport Lane	West of Belport La	63.8	54.5	64.7	67.5	28	89	280	887	2804
13	Kent Drive	El Camino Avenue	North of El Camino	56.7	47.5	57.6	60.4	6	17	55	174	551
14	El Camino Avenue	Kent Drive	East of Kent Drive	58.1	51.1	62.4	64.0	13	40	125	396	1253
15	El Camino Avenue	Kent Drive	West of Kent Drive	63.8	54.5	64.7	67.5	28	89	281	889	2811

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
1	Kent Drive	Miramar Road	North of Miramar Road	2	15	50	97	1	2	87	0	13	
2	Kent Drive	Miramar Road	South of Miramar Road	23	15	50	97	1	2	87	0	13	
3	Miramar Road	Kent Drive	East of Kent Drive	21	15	50	97	1	2	87	0	13	
4	Morse Avenue	Miramar Road	North of Miramar Road	255	15	50	97	1	2	87	0	13	
5	Morse Avenue	Miramar Road	South of Miramar Road	250	20	50	97	1	2	87	0	13	
6	Miramar Road	Morse Avenue	West of Morse Avenue	15	20	50	97	1	2	87	0	13	
7	Belpport Lane	Elvyra Way	North of Miramar Road	4	20	50	97	1	2	87	0	13	
8	Belpport Lane	Elvyra Way	South of Miramar Road	98	20	50	97	1	2	87	0	13	
9	Elvyra Way	Belpport Lane	West of Belpport Lane	94	20	50	97	1	2	87	0	13	
10	Belpport Lane	El Camino Avenue	North of El Camino Avenue	249	20	50	97	1	2	87	0	13	
11	El Camino Avenue	Belpport Lane	East of Belpport Lane	908	15	50	97	1	2	87	0	13	
12	El Camino Avenue	Belpport Lane	West of Belpport Lane	853	30	50	97	1	2	87	0	13	
13	Kent Drive	El Camino Avenue	North of El Camino Avenue	38	30	50	97	1	2	87	0	13	
14	El Camino Avenue	Kent Drive	East of Kent Drive	1675	20	50	97	1	2	87	0	13	
15	El Camino Avenue	Kent Drive	West of Kent Drive	1679	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Kent Drive	Miramar Road	North of Miramar R	26.1	20.8	32.9	33.9	0	0	0	0	1
2	Kent Drive	Miramar Road	South of Miramar F	36.7	31.4	43.5	44.5	0	0	1	4	14
3	Miramar Road	Kent Drive	East of Kent Drive	36.3	31.0	43.1	44.1	0	0	1	4	13
4	Morse Avenue	Miramar Road	North of Miramar R	47.2	41.9	53.9	55.0	2	5	16	50	157
5	Morse Avenue	Miramar Road	South of Miramar F	50.7	43.7	55.0	56.6	2	7	23	72	228
6	Miramar Road	Morse Avenue	West of Morse Ave	38.5	31.5	42.8	44.4	0	0	1	4	14
7	Belpport Lane	Elvyra Way	North of Miramar R	32.7	25.8	37.0	38.6	0	0	0	1	4
8	Belpport Lane	Elvyra Way	South of Miramar F	46.6	39.7	50.9	52.5	1	3	9	28	90
9	Elvyra Way	Belpport Lane	West of Belpport La	46.5	39.5	50.7	52.3	1	3	9	27	86
10	Belpport Lane	El Camino Avenue	North of El Camino	50.7	43.7	55.0	56.6	2	7	23	72	228
11	El Camino Avenue	Belpport Lane	East of Belpport Lan	52.7	47.4	59.4	60.5	6	18	56	177	561
12	El Camino Avenue	Belpport Lane	West of Belpport La	61.1	51.8	61.9	64.8	15	48	150	475	1502
13	Kent Drive	El Camino Avenue	North of El Camino	47.6	38.3	48.4	51.3	1	2	7	21	67
14	El Camino Avenue	Kent Drive	East of Kent Drive	59.0	52.0	63.3	64.9	15	48	153	484	1530
15	El Camino Avenue	Kent Drive	West of Kent Drive	64.0	54.7	64.9	67.7	30	94	296	935	2957

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
	Kent Drive	Miramar Road	North of Miramar Road	0	15	50		1	2	87	0		
#VALUE!	Kent Drive	Miramar Road	South of Miramar Road	180	15	50	97	1	2	87	0	13	
#VALUE!	Miramar Road	Kent Drive	East of Kent Drive	90	15	50	97	1	2	87	0	13	
#VALUE!	Morse Avenue	Miramar Road	North of Miramar Road	235	15	50	97	1	2	87	0	13	
#VALUE!	Morse Avenue	Miramar Road	South of Miramar Road	279	20	50	97	1	2	87	0	13	
#VALUE!	Miramar Road	Morse Avenue	West of Morse Avenue	84	20	50	97	1	2	87	0	13	
#VALUE!	Belport Lane	Elvyra Way	North of Miramar Road	4	20	50	97	1	2	87	0	13	
#VALUE!	Belport Lane	Elvyra Way	South of Miramar Road	98	20	50	97	1	2	87	0	13	
#VALUE!	Elvyra Way	Belport Lane	West of Belport Lane	94	20	50	97	1	2	87	0	13	
#VALUE!	Belport Lane	El Camino Avenue	North of El Camino Avenue	141	20	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Belport Lane	East of Belport Lane	1818	15	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Belport Lane	West of Belport Lane	1801	30	50	97	1	2	87	0	13	
#VALUE!	Kent Drive	El Camino Avenue	North of El Camino Avenue	197	30	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Kent Drive	East of Kent Drive	1695	20	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Kent Drive	West of Kent Drive	1818	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
	Kent Drive	Miramar Road	North of Miramar R									
#VALUE!	Kent Drive	Miramar Road	South of Miramar F	45.7	40.4	52.4	53.5	1	4	11	35	111
#VALUE!	Miramar Road	Kent Drive	East of Kent Drive	42.7	37.3	49.4	50.5	1	2	6	18	56
#VALUE!	Morse Avenue	Miramar Road	North of Miramar R	46.8	41.5	53.6	54.6	1	5	15	46	145
#VALUE!	Morse Avenue	Miramar Road	South of Miramar F	51.2	44.2	55.5	57.1	3	8	25	81	255
#VALUE!	Miramar Road	Morse Avenue	West of Morse Ave	46.0	39.0	50.3	51.9	1	2	8	24	77
#VALUE!	Belport Lane	Elvyra Way	North of Miramar R	32.7	25.8	37.0	38.6	0	0	0	1	4
#VALUE!	Belport Lane	Elvyra Way	South of Miramar F	46.6	39.7	50.9	52.5	1	3	9	28	90
#VALUE!	Elvyra Way	Belport Lane	West of Belport La	46.5	39.5	50.7	52.3	1	3	9	27	86
#VALUE!	Belport Lane	El Camino Avenue	North of El Camino	48.2	41.2	52.5	54.1	1	4	13	41	129
#VALUE!	El Camino Avenue	Belport Lane	East of Belport Lan	55.7	50.4	62.5	63.5	11	35	112	355	1122
#VALUE!	El Camino Avenue	Belport Lane	West of Belport La	64.3	55.1	65.2	68.0	32	100	317	1003	3172
#VALUE!	Kent Drive	El Camino Avenue	North of El Camino	54.7	45.4	55.6	58.4	3	11	35	110	347
#VALUE!	El Camino Avenue	Kent Drive	East of Kent Drive	59.0	52.0	63.3	64.9	15	49	155	490	1549
#VALUE!	El Camino Avenue	Kent Drive	West of Kent Drive	64.4	55.1	65.2	68.1	32	101	320	1013	3202

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
1	Kent Drive	Miramar Road	North of Miramar Road	6	15	50	97	1	2	87	0	13	
2	Kent Drive	Miramar Road	South of Miramar Road	27	15	50	97	1	2	87	0	13	
3	Miramar Road	Kent Drive	East of Kent Drive	11	15	50	97	1	2	87	0	13	
4	Morse Avenue	Miramar Road	North of Miramar Road	185	20	50	97	1	2	87	0	13	
5	Morse Avenue	Miramar Road	South of Miramar Road	183	20	50	97	1	2	87	0	13	
6	Miramar Road	Morse Avenue	West of Morse Avenue	24	20	50	97	1	2	87	0	13	
7	Belpport Lane	Elvyra Way	North of Miramar Road	11	20	50	97	1	2	87	0	13	
8	Belpport Lane	Elvyra Way	South of Miramar Road	82	20	50	97	1	2	87	0	13	
9	Elvyra Way	Belpport Lane	West of Belpport Lane	83	20	50	97	1	2	87	0	13	
10	Belpport Lane	El Camino Avenue	North of El Camino Avenue	124	15	50	97	1	2	87	0	13	
11	El Camino Avenue	Belpport Lane	East of Belpport Lane	1453	30	50	97	1	2	87	0	13	
12	El Camino Avenue	Belpport Lane	West of Belpport Lane	1449	30	50	97	1	2	87	0	13	
13	Kent Drive	El Camino Avenue	North of El Camino Avenue	47	20	50	97	1	2	87	0	13	
14	El Camino Avenue	Kent Drive	East of Kent Drive	1447	30	50	97	1	2	87	0	13	
15	El Camino Avenue	Kent Drive	West of Kent Drive	1462	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Kent Drive	Miramar Road	North of Miramar R	30.9	25.6	37.6	38.7	0	0	0	1	4
2	Kent Drive	Miramar Road	South of Miramar F	37.4	32.1	44.2	45.2	0	1	2	5	17
3	Miramar Road	Kent Drive	East of Kent Drive	33.5	28.2	40.3	41.3	0	0	1	2	7
4	Morse Avenue	Miramar Road	North of Miramar R	49.4	42.4	53.7	55.3	2	5	17	53	169
5	Morse Avenue	Miramar Road	South of Miramar F	49.3	42.4	53.6	55.2	2	5	17	53	167
6	Miramar Road	Morse Avenue	West of Morse Ave	40.5	33.6	44.8	46.4	0	1	2	7	22
7	Belport Lane	Elvyra Way	North of Miramar R	37.1	30.2	41.4	43.0	0	0	1	3	10
8	Belport Lane	Elvyra Way	South of Miramar F	45.9	38.9	50.2	51.8	1	2	7	24	75
9	Elvyra Way	Belport Lane	West of Belport La	45.9	38.9	50.2	51.8	1	2	8	24	76
10	Belport Lane	El Camino Avenue	North of El Camino	44.1	38.7	50.8	51.8	1	2	8	24	77
11	El Camino Avenue	Belport Lane	East of Belport Lan	63.4	54.1	64.3	67.1	26	81	256	809	2559
12	El Camino Avenue	Belport Lane	West of Belport La	63.4	54.1	64.2	67.1	26	81	255	807	2552
13	Kent Drive	El Camino Avenue	North of El Camino	43.4	36.5	47.7	49.3	0	1	4	14	43
14	El Camino Avenue	Kent Drive	East of Kent Drive	63.4	54.1	64.2	67.1	25	81	255	806	2549
15	El Camino Avenue	Kent Drive	West of Kent Drive	63.4	54.1	64.3	67.1	26	81	258	814	2575

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
1	Kent Drive	Miramar Road	North of Miramar Road	61	15	50	97	1	2	87	0	13	
2	Kent Drive	Miramar Road	South of Miramar Road	171	15	50	97	1	2	87	0	13	
3	Miramar Road	Kent Drive	East of Kent Drive	192	15	50	97	1	2	87	0	13	
4	Morse Avenue	Miramar Road	North of Miramar Road	201	15	50	97	1	2	87	0	13	
5	Morse Avenue	Miramar Road	South of Miramar Road	283	20	50	97	1	2	87	0	13	
6	Miramar Road	Morse Avenue	West of Morse Avenue	140	20	50	97	1	2	87	0	13	
7	Belpport Lane	Elvyra Way	North of Miramar Road	10	20	50	97	1	2	87	0	13	
8	Belpport Lane	Elvyra Way	South of Miramar Road	72	20	50	97	1	2	87	0	13	
9	Elvyra Way	Belpport Lane	West of Belpport Lane	74	20	50	97	1	2	87	0	13	
10	Belpport Lane	El Camino Avenue	North of El Camino Avenue	124	20	50	97	1	2	87	0	13	
11	El Camino Avenue	Belpport Lane	East of Belpport Lane	1701	15	50	97	1	2	87	0	13	
12	El Camino Avenue	Belpport Lane	West of Belpport Lane	1697	30	50	97	1	2	87	0	13	
13	Kent Drive	El Camino Avenue	North of El Camino Avenue	317	30	50	97	1	2	87	0	13	
14	El Camino Avenue	Kent Drive	East of Kent Drive	1477	20	50	97	1	2	87	0	13	
15	El Camino Avenue	Kent Drive	West of Kent Drive	1702	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Kent Drive	Miramar Road	North of Miramar R	41.0	35.7	47.7	48.8	0	1	4	12	38
2	Kent Drive	Miramar Road	South of Miramar F	45.5	40.1	52.2	53.2	1	3	11	33	106
3	Miramar Road	Kent Drive	East of Kent Drive	46.0	40.6	52.7	53.7	1	4	12	37	119
4	Morse Avenue	Miramar Road	North of Miramar R	46.2	40.8	52.9	53.9	1	4	12	39	124
5	Morse Avenue	Miramar Road	South of Miramar F	51.2	44.3	55.5	57.1	3	8	26	82	259
6	Miramar Road	Morse Avenue	West of Morse Ave	48.2	41.2	52.5	54.1	1	4	13	40	128
7	Belport Lane	Elvyra Way	North of Miramar R	36.7	29.8	41.0	42.6	0	0	1	3	9
8	Belport Lane	Elvyra Way	South of Miramar F	45.3	38.3	49.6	51.2	1	2	7	21	66
9	Elvyra Way	Belport Lane	West of Belport La	45.4	38.4	49.7	51.3	1	2	7	21	68
10	Belport Lane	El Camino Avenue	North of El Camino	47.7	40.7	51.9	53.6	1	4	11	36	113
11	El Camino Avenue	Belport Lane	East of Belport Lan	55.4	50.1	62.2	63.2	11	33	105	332	1050
12	El Camino Avenue	Belport Lane	West of Belport La	64.1	54.8	64.9	67.8	30	95	299	945	2989
13	Kent Drive	El Camino Avenue	North of El Camino	56.8	47.5	57.6	60.5	6	18	56	177	558
14	El Camino Avenue	Kent Drive	East of Kent Drive	58.4	51.4	62.7	64.3	13	43	135	427	1349
15	El Camino Avenue	Kent Drive	West of Kent Drive	64.1	54.8	64.9	67.8	30	95	300	948	2998

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
		From	To										
1	Kent Drive	Miramar Road	North of Miramar Road	2	15	50	97	1	2	87	0	13	
2	Kent Drive	Miramar Road	South of Miramar Road	23	15	50	97	1	2	87	0	13	
3	Miramar Road	Kent Drive	East of Kent Drive	21	15	50	97	1	2	87	0	13	
4	Morse Avenue	Miramar Road	North of Miramar Road	234	20	50	97	1	2	87	0	13	
5	Morse Avenue	Miramar Road	South of Miramar Road	229	20	50	97	1	2	87	0	13	
6	Miramar Road	Morse Avenue	West of Morse Avenue	15	20	50	97	1	2	87	0	13	
7	Belport Lane	Elvyra Way	North of Miramar Road	4	20	50	97	1	2	87	0	13	
8	Belport Lane	Elvyra Way	South of Miramar Road	102	20	50	97	1	2	87	0	13	
9	Elvyra Way	Belport Lane	West of Belport Lane	98	20	50	97	1	2	87	0	13	
10	Belport Lane	El Camino Avenue	North of El Camino Avenue	102	15	50	97	1	2	87	0	13	
11	El Camino Avenue	Belport Lane	East of Belport Lane	863	30	50	97	1	2	87	0	13	
12	El Camino Avenue	Belport Lane	West of Belport Lane	891	30	50	97	1	2	87	0	13	
13	Kent Drive	El Camino Avenue	North of El Camino Avenue	38	20	50	97	1	2	87	0	13	
14	El Camino Avenue	Kent Drive	East of Kent Drive	1744	30	50	97	1	2	87	0	13	
15	El Camino Avenue	Kent Drive	West of Kent Drive	1748	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
1	Kent Drive	Miramar Road	North of Miramar R	26.1	20.8	32.9	33.9	0	0	0	0	1
2	Kent Drive	Miramar Road	South of Miramar F	36.7	31.4	43.5	44.5	0	0	1	4	14
3	Miramar Road	Kent Drive	East of Kent Drive	36.3	31.0	43.1	44.1	0	0	1	4	13
4	Morse Avenue	Miramar Road	North of Miramar R	50.4	43.4	54.7	56.3	2	7	21	68	214
5	Morse Avenue	Miramar Road	South of Miramar F	50.3	43.4	54.6	56.2	2	7	21	66	209
6	Miramar Road	Morse Avenue	West of Morse Ave	38.5	31.5	42.8	44.4	0	0	1	4	14
7	Belpport Lane	Elvyra Way	North of Miramar R	32.7	25.8	37.0	38.6	0	0	0	1	4
8	Belpport Lane	Elvyra Way	South of Miramar F	46.8	39.8	51.1	52.7	1	3	9	29	93
9	Elvyra Way	Belpport Lane	West of Belpport La	46.6	39.7	50.9	52.5	1	3	9	28	90
10	Belpport Lane	El Camino Avenue	North of El Camino	43.2	37.9	50.0	51.0	1	2	6	20	63
11	El Camino Avenue	Belpport Lane	East of Belpport Lan	61.2	51.9	62.0	64.8	15	48	152	481	1520
12	El Camino Avenue	Belpport Lane	West of Belpport La	61.3	52.0	62.1	65.0	16	50	157	496	1569
13	Kent Drive	El Camino Avenue	North of El Camino	42.5	35.6	46.8	48.4	0	1	3	11	35
14	El Camino Avenue	Kent Drive	East of Kent Drive	64.2	54.9	65.0	67.9	31	97	307	971	3072
15	El Camino Avenue	Kent Drive	West of Kent Drive	64.2	54.9	65.1	67.9	31	97	308	974	3079

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



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Ground Type : Hard
Metric (L_{eq}, L_{dn}, CNEL) : Ldn

K Factor : 10
Traffic Desc. (Peak or ADT) : Peak

Segment	Roadway	Segment		Traffic Vol.	Speed (Mph)	Distance to CL	% Autos	%MT	% HT	Day %	Eve %	Night %	Offset (dB)
	Kent Drive	Miramar Road	North of Miramar Road	0	15	50		1	2	87	0		
#VALUE!	Kent Drive	Miramar Road	South of Miramar Road	180	15	50	97	1	2	87	0	13	
#VALUE!	Miramar Road	Kent Drive	East of Kent Drive	90	15	50	97	1	2	87	0	13	
#VALUE!	Morse Avenue	Miramar Road	North of Miramar Road	244	20	50	97	1	2	87	0	13	
#VALUE!	Morse Avenue	Miramar Road	South of Miramar Road	288	20	50	97	1	2	87	0	13	
#VALUE!	Miramar Road	Morse Avenue	West of Morse Avenue	84	20	50	97	1	2	87	0	13	
#VALUE!	Belport Lane	Elvyra Way	North of Miramar Road	4	20	50	97	1	2	87	0	13	
#VALUE!	Belport Lane	Elvyra Way	South of Miramar Road	102	20	50	97	1	2	87	0	13	
#VALUE!	Elvyra Way	Belport Lane	West of Belport Lane	98	20	50	97	1	2	87	0	13	
#VALUE!	Belport Lane	El Camino Avenue	North of El Camino Avenue	134	15	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Belport Lane	East of Belport Lane	1841	30	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Belport Lane	West of Belport Lane	1837	30	50	97	1	2	87	0	13	
#VALUE!	Kent Drive	El Camino Avenue	North of El Camino Avenue	197	20	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Kent Drive	East of Kent Drive	1764	30	50	97	1	2	87	0	13	
#VALUE!	El Camino Avenue	Kent Drive	West of Kent Drive	1887	30	50	97	1	2	87	0	13	

0
Traffic Noise Prediction Model, (FHWA RD-77-108)
Predicted Noise Levels



Project Name : MS Environmental
Project Number : 60682851
Modeling Condition : Existing AM
Metric (Leq, Ldn, CNEL) : Ldn

Segment	Roadway	Segment		Noise Levels, dB Ldn				Distance to Traffic Noise Contours, Feet				
		From	To	Auto	MT	HT	Total	70 dB	65 dB	60 dB	55 dB	50 dB
	Kent Drive	Miramar Road	North of Miramar R									
#VALUE!	Kent Drive	Miramar Road	South of Miramar F	45.7	40.4	52.4	53.5	1	4	11	35	111
#VALUE!	Miramar Road	Kent Drive	East of Kent Drive	42.7	37.3	49.4	50.5	1	2	6	18	56
#VALUE!	Morse Avenue	Miramar Road	North of Miramar R	50.6	43.6	54.9	56.5	2	7	22	70	223
#VALUE!	Morse Avenue	Miramar Road	South of Miramar F	51.3	44.3	55.6	57.2	3	8	26	83	263
#VALUE!	Miramar Road	Morse Avenue	West of Morse Ave	46.0	39.0	50.3	51.9	1	2	8	24	77
#VALUE!	Belport Lane	Elvyra Way	North of Miramar R	32.7	25.8	37.0	38.6	0	0	0	1	4
#VALUE!	Belport Lane	Elvyra Way	South of Miramar F	46.8	39.8	51.1	52.7	1	3	9	29	93
#VALUE!	Elvyra Way	Belport Lane	West of Belport La	46.6	39.7	50.9	52.5	1	3	9	28	90
#VALUE!	Belport Lane	El Camino Avenue	North of El Camino	44.4	39.1	51.1	52.2	1	3	8	26	83
#VALUE!	El Camino Avenue	Belport Lane	East of Belport Lan	64.4	55.1	65.3	68.1	32	103	324	1025	3243
#VALUE!	El Camino Avenue	Belport Lane	West of Belport La	64.4	55.1	65.3	68.1	32	102	324	1023	3235
#VALUE!	Kent Drive	El Camino Avenue	North of El Camino	49.7	42.7	54.0	55.6	2	6	18	57	180
#VALUE!	El Camino Avenue	Kent Drive	East of Kent Drive	64.3	55.0	65.1	67.9	31	98	311	982	3107
#VALUE!	El Camino Avenue	Kent Drive	West of Kent Drive	64.6	55.3	65.4	68.2	33	105	332	1051	3324

Packaged HVAC Noise Prediction Model
MS Environmental



Project Name : MS Environmental
Project Number : 60682851
Metric (L_{eq} , L_{dn}) : Leq
Cooling Capacity / 1,000SqFt: 1.2

ID	Building Description	Square footage	Cooling Capacity,		Shielding Offset	L _w	Distance to Reciever
			Tons				
1	A	65,341	78.4092	-25	109.7	100	
1	B/C	10,246	12.2952	-25	100.1	100	

Combined Noise Level: 47

Project-Generated Parking Lot Noise Prediction Model
MS Environmental



Ref SEL: 71

Metric: Leq

Description	# of Stalls	Trip Multiplier	Trips /Period	Lp @ 50'	Distance to Rec.	Screening Offset	Lp at Rec.
A	64	1	64	53.5	50		53
			0				