



**APPENDIX 4.10.1**

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**Ambient Noise Measurements**

**APPENDIX 4.10.1-1**

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***Long-Term (24-hour) Ambient Noise Measurements***

**Monitoring Location: Site 1**

**Primary Noise Source:**

Monitoring Period	Monitoring Period	Monitored Logarithmic	Evening/Night Adjustments			
			Leq	Equivalent	10 dB	5 dB
Midnight	0 / 24	52.2	165959	1659587	524807	
am	1:00	100	51.6	144544	1445440	457088
	2:00	200	48.2	66069	660693	208930
	3:00	300	47.7	58884	588844	186209
	4:00	400	51.2	131826	1318257	416869
	5:00	500	54.1	257040	2570396	812831
	6:00	600	59.1	812831	8128305	2570396
	7:00	700	62.5	1778279	17782794	5623413
	8:00	800	62.2	1659587	16595869	5248075
	9:00	900	61.8	1513561	15135612	4786301
pm	10:00	1000	60	1000000	10000000	3162278
	11:00	1100	63.9	2454709	24547089	7762471
	12:00	1200	61.9	1548817	15488166	4897788
	1:00	1300	67.5	5623413	56234133	17782794
	2:00	1400	61.8	1513561	15135612	4786301
	3:00	1500	62.8	1905461	19054607	6025596
	4:00	1600	62.7	1862087	18620871	5888437
	5:00	1700	61.7	1479108	14791084	4677351
	6:00	1800	74.3	26915348	269153480	85113804
	7:00	1900	60.6	1148154	11481536	3630781
	8:00	2000	58.7	741310	7413102	2344229
pm	9:00	2100	58.2	660693	6606934	2089296
	10:00	2200	57	501187	5011872	1584893
	11:00	2300	55.7	371535	3715352	1174898

**Secondary Noise Source(s):**

**Leq Morning Peak Hour 7:00-10:00 a.m.**

**62** dBA

**Leq Evening Peak Hour 4:00-8:00 p.m.**

**69** dBA

**Leq Nighttime 10:00 pm-7:00 a.m. (not adjusted)**

**54.5** dBA

**Leq Daytime 7:00 am-10:00 p.m.**

**65.4** dBA

**Leq 24-Hour**

**64** dBA

**Ldn: 10 dB adjustment between 10:00 p.m. & 7:00 a.m.**

**65** dBA

**CNEL: 5 dB adjustment between 7:00p.m. & 10:00 p.m., & 10 dB adjustment between 10:00 p.m. & 7:00 a.m.**

**65.4** dBA

**Difference between CNEL and Ldn**

**CNEL - Ldn 0.30074363**

**Monitoring Location: Site 2**

**Primary Noise Source:**

Monitoring Period	Monitored Leq	Logarithmic Equivalent	Evening/Night Adjustments	
			10 dB	5 dB
Midnight 0 / 24	57.5	562341	5623413	1778279
am 1:00 100	56.3	426580	4265795	1348963
2:00 200	52.3	169824	1698244	537032
3:00 300	53.4	218776	2187762	691831
4:00 400	59.8	954993	9549926	3019952
5:00 500	62.8	1905461	19054607	6025596
6:00 600	62.7	1862087	18620871	5888437
7:00 700	68.8	7585776	75857758	23988329
8:00 800	66.9	4897788	48977882	15488166
9:00 900	63.5	2238721	22387211	7079458
10:00 1000	63.3	2137962	21379621	6760830
11:00 1100	64.7	2951209	29512092	9332543
12:00 1200	63.2	2089296	20892961	6606934
pm 1:00 1300	64.1	2570396	25703958	8128305
2:00 1400	65.1	3235937	32359366	10232930
3:00 1500	63.9	2454709	24547089	7762471
4:00 1600	64.6	2884032	28840315	9120108
5:00 1700	65	3162278	31622777	10000000
6:00 1800	64.3	2691535	26915348	8511380
7:00 1900	63.2	2089296	20892961	6606934
8:00 2000	63.1	2041738	20417379	6456542
9:00 2100	63.9	2454709	24547089	7762471
10:00 2200	63.2	2089296	20892961	6606934
pm 11:00 2300	60.2	1047129	10471285	3311311

**Secondary Noise Source(s):**

**Leq Morning Peak Hour 7:00-10:00 a.m.**

**67** dBA

**Leq Evening Peak Hour 4:00-8:00 p.m.**

**64** dBA

**Leq Nighttime 10:00 pm-7:00 a.m. (not adjusted)**

**60.1** dBA

**Leq Daytime 7:00 am-10:00 p.m.**

**64.8** dBA

**Leq 24-Hour**

**64** dBA

**Ldn: 10 dB adjustment between 10:00 p.m. & 7:00 a.m.**

**68** dBA

**CNEL: 5 dB adjustment between 7:00p.m. & 10:00 p.m., & 10 dB adjustment between 10:00 p.m. & 7:00 a.m.**

**68.0** dBA

**Difference between CNEL and Ldn**

**CNEL - Ldn = 0.426944**

Monitoring Location: Site 3  
 Primary Noise Source:

Monitoring Period	Monitored	Logarithmic	Evening/Night Adjustments			
			Leq	Equivalent		
Midnight	0 / 24	63.7	2344229	23442288	7413102	
am	1:00	100	62.1	1621810	16218101	5128614
	2:00	200	58.6	724436	7244360	2290868
	3:00	300	65.4	3467369	34673685	10964782
	4:00	400	64.8	3019952	30199517	9549926
	5:00	500	67.2	5248075	52480746	16595869
	6:00	600	70	10000000	100000000	31622777
	7:00	700	70.9	12302688	123026877	38904514
	8:00	800	70.8	12022644	120226443	38018940
	9:00	900	70.9	12302688	123026877	38904514
	10:00	1000	70.2	10471285	104712855	33113112
	11:00	1100	70	10000000	100000000	31622777
	12:00	1200	71.5	14125375	141253754	44668359
pm	1:00	1300	71.3	13489629	134896288	42657952
	2:00	1400	71.7	14791084	147910839	46773514
	3:00	1500	70.8	12022644	120226443	38018940
	4:00	1600	71.6	14454398	144543977	45708819
	5:00	1700	72	15848932	158489319	50118723
	6:00	1800	72.7	18620871	186208714	58884366
	7:00	1900	71.8	15135612	151356125	47863009
	8:00	2000	70.1	10232930	102329299	32359366
	9:00	2100	69.3	8511380	85113804	26915348
	10:00	2200	69.5	8912509	89125094	28183829
pm	11:00	2300	67	5011872	50118723	15848932

Secondary Noise Source(s):

Leq Morning Peak Hour 7:00-10:00 a.m.

**71** dBA

Leq Evening Peak Hour 4:00-8:00 p.m.

**72** dBA

Leq Nighttime 10:00 pm-7:00 a.m. (not adjusted)

**66.5** dBA

Leq Daytime 7:00 am-10:00 p.m.

**71.1** dBA

Leq 24-Hour

**70** dBA

Ldn: 10 dB adjustment between 10:00 p.m. & 7:00 a.m.

**74** dBA

CNEL: 5 dB adjustment between 7:00p.m. & 10:00 p.m., & 10 dB adjustment between 10:00 p.m. & 7:00 a.m.

**74.5** dBA

Difference between CNEL and Ldn

**CNEL - Ldn = 0.502012682**

**Monitoring Location: Site 4**

**Primary Noise Source:**

**Secondary Noise Source(s):**

Monitoring Period			Evening/Night Adjustments			
			Monitored Logarithmic Leq	Equivalent	10 dB	5 dB
Midnight 0 / 24			69.8	9549926	95499259	30199517
am	1:00	100	68.3	6760830	67608298	21379621
	2:00	200	66.3	4265795	42657952	13489629
	3:00	300	67.8	6025596	60255959	19054607
	4:00	400	71.4	13803843	138038426	43651583
	5:00	500	73.6	22908677	229086765	72443596
	6:00	600	75.4	34673685	346736850	109647820
	7:00	700	77.4	54954087	549540874	173780083
	8:00	800	77.7	58884366	588843655	186208714
	9:00	900	76.3	42657952	426579519	134896288
	10:00	1000	77	50118723	501187234	158489319
	11:00	1100	75.9	38904514	389045145	123026877
	12:00	1200	76.3	42657952	426579519	134896288
pm	1:00	1300	77.5	56234133	562341325	177827941
	2:00	1400	76.9	48977882	489778819	154881662
	3:00	1500	76.6	45708819	457088190	144543977
	4:00	1600	77	50118723	501187234	158489319
	5:00	1700	76.9	48977882	489778819	154881662
	6:00	1800	75.9	38904514	389045145	123026877
	7:00	1900	74.2	26302680	263026799	83176377
	8:00	2000	75.3	33884416	338844156	107151931
	9:00	2100	76.6	45708819	457088190	144543977
	10:00	2200	75	31622777	316227766	100000000
	11:00	2300	74.7	29512092	295120923	93325430

**Leq Morning Peak Hour 7:00-10:00 a.m.**

**77** dBA

**Leq Evening Peak Hour 4:00-8:00 p.m.**

**76** dBA

**Leq Nighttime 10:00 pm-7:00 a.m. (not adjusted)**

**72.5** dBA

**Leq Daytime 7:00 am-10:00 p.m.**

**76.6** dBA

**Leq 24-Hour**

**75.5** dBA

**Ldn: 10 dB adjustment between 10:00 p.m. & 7:00 a.m.**

**80** dBA

**CNEL: 5 dB adjustment between 7:00p.m. & 10:00 p.m., & 10 dB adjustment between 10:00 p.m. & 7:00 a.m.**

**80.2** dBA

**Difference between CNEL and Ldn**

**CNEL - Ldr 0.4166231**

**Monitoring Location: Site 5**

**Primary Noise Source:**

Monitoring Period	Monitored Leq	Logarithmic Equivalent	Evening/Night Adjustments	
			10 dB	5 dB
Midnight 0 / 24	73	19952623	199526231	63095734
am 1:00 100	66.8	4786301	47863009	15135612
2:00 200	65.9	3890451	38904514	12302688
3:00 300	66.8	4786301	47863009	15135612
4:00 400	70.2	10471285	104712855	33113112
5:00 500	72	15848932	158489319	50118723
6:00 600	71.4	13803843	138038426	43651583
7:00 700	72.2	16595869	165958691	52480746
8:00 800	72.4	17378008	173780083	54954087
9:00 900	72.1	16218101	162181010	51286138
10:00 1000	72.2	16595869	165958691	52480746
11:00 1100	72.4	17378008	173780083	54954087
12:00 1200	72.3	16982437	169824365	53703180
pm 1:00 1300	74.2	26302680	263026799	83176377
2:00 1400	73.1	20417379	204173794	64565423
3:00 1500	72.8	19054607	190546072	60255959
4:00 1600	73.3	21379621	213796209	67608298
5:00 1700	74.7	29512092	295120923	93325430
6:00 1800	76.8	47863009	478630092	151356125
7:00 1900	72.4	17378008	173780083	54954087
8:00 2000	72.5	17782794	177827941	56234133
9:00 2100	71.5	14125375	141253754	44668359
10:00 2200	71	12589254	125892541	39810717
pm 11:00 2300	71.3	13489629	134896288	42657952

**Secondary Noise Source(s):**

**Leq Morning Peak Hour 7:00-10:00 a.m.**

**72** dBA

**Leq Evening Peak Hour 4:00-8:00 p.m.**

**75** dBA

**Leq Nighttime 10:00 pm-7:00 a.m. (not adjusted)**

**70.4** dBA

**Leq Daytime 7:00 am-10:00 p.m.**

**73.2** dBA

**Leq 24-Hour**

**72.4** dBA

**Ldn: 10 dB adjustment between 10:00 p.m. & 7:00 a.m.**

**77** dBA

**CNEL: 5 dB adjustment between 7:00p.m. & 10:00 p.m., & 10 dB adjustment between 10:00 p.m. & 7:00 a.m.**

**77.7** dBA

**Difference between CNEL and Ldn**

**CNEL - Ldn = 0.3393821**



**APPENDIX 4.10.1-2**

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***Short-Term (1-hour) Ambient Noise Measurements (Daytime)***

Site	Date	Time Period	1-hour Leq	Average	
A	26-Nov	AM	64.2	64.1	
		PM	64.1		
	28-Nov	AM	63.5		
		PM	64.6		
B	11-Dec	AM	72.1		73.5
		PM	71.2		
	13-Dec	AM	76.1		
		PM	72.9		
C	11-Dec	AM	77.3	76.7	
		PM	76.1		
	13-Dec	AM	77.1		
		PM	76.2		
D	27-Nov	AM	75.1		76.2
		PM	78.5		
	4-Dec	AM	74.4		
		PM	75.4		
E	27-Nov	AM	72.8	72.6	
		PM	71.7		
	4-Dec	AM	73.1		
		PM	72.7		
F	21-Jan	AM	62.7		68.8
		PM	63.8		
	23-Jan	AM	71.5		
		PM	70.9		
G	11-Dec	AM	64.3	67.3	
		PM	67.0		
	13-Dec	AM	68.0		
		PM	68.8		
H	17-Dec	AM	68.1		67.6
		PM	69.1		
	19-Dec	AM	65.4		
		PM	66.8		
I	11-Dec	AM	69.5	68.0	
		PM	66.6		
	13-Dec	AM	67.6		
		PM	67.8		
J	17-Dec	AM	73.3		73.6
		PM	73.2		
	19-Dec	AM	73.8		
		PM	73.9		
K	26-Nov	AM	67.1	67.5	
		PM	68.0		
	28-Nov	AM	69.1		
		PM	64.6		
L	17-Dec	AM	73.9		74.0
		PM	74.2		
	19-Dec	AM	74.5		
		PM	73.4		
M	17-Dec	AM	72.8	74.9	
		PM	75.9		
	19-Dec	AM	73.2		
		PM	76.6		

**APPENDIX 4.10.1-3**

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***Short-Term (15-minute) Ambient Noise Measurements (Nighttime)***

**Monitoring Location: Site A**  
**Monitoring Date: 8/4/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
20:35:20	56.6	69.5	46.6
20:36:20	55.1	59.8	49.3
20:37:20	61.1	66.0	52.4
20:38:20	57.5	68.5	48.9
20:39:20	59.1	72.7	46.5
20:40:20	58.8	72.1	49.9
20:41:20	58.2	73.9	47.5
20:42:20	55.4	61.7	49.5
20:43:20	59.2	66.2	49.6
20:44:20	57.6	63.5	50.3
20:45:20	52.8	55.7	49.1
20:46:20	58.0	65.6	49.6
20:47:20	54.3	60.9	48.4
20:48:20	51.7	56.3	48.0
20:49:20	61.7	71.2	49.3
20:50:20	53.1	57.3	52.3



**15-minute LAeq**

**57.8**

**Monitoring Location: Site B**

**Monitoring Date: 8/4/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
20:20:17	67.6	76.9	50.5
20:21:17	73.3	79.1	58.5
20:22:17	68.4	75.3	53.0
20:23:17	68.6	75.2	58.8
20:24:17	70.5	79.7	50.6
20:25:17	73.1	79.3	51.2
20:26:17	63.4	71.4	48.8
20:27:17	70.6	78.6	51.9
20:28:17	69.4	76.6	51.1
20:29:17	67.9	74.4	58.6
20:30:17	68.2	77.2	49.9
20:31:17	72.4	80.6	50.6
20:32:17	69.2	78.5	50.6
20:33:17	72.6	79.8	49.7
20:34:17	73.6	82.8	50.0
20:35:17	65.1	66.9	57.2



**15-minute LAeq**

**70.5**

**Monitoring Location: Site C**  
**Monitoring Date: 8/5/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
20:44:28	70.8	76.7	55.6
20:45:28	67.5	76.1	52.5
20:46:28	70.5	76.9	58.7
20:47:28	70.6	80.1	50.0
20:48:28	71.4	76.7	49.8
20:49:28	65.8	72.9	51.0
20:50:28	68.8	76.9	53.4
20:51:28	69.8	76.1	54.0
20:52:28	68.8	76.4	57.1
20:53:28	69.4	74.4	59.9
20:54:28	73.4	85.1	52.9
20:55:28	74.8	87.7	52.8
20:56:28	70.3	79.0	52.8
20:57:28	65.2	73.3	54.0
20:58:28	72.8	81.0	54.2
20:59:28	68.9	70.2	67.2



**15-minute LAeq**

**70.6**

**Monitoring Location: Site D**  
**Monitoring Date: 8/5/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
21:29:59	67.8	77.1	51.2
21:30:59	64.6	72.4	55.3
21:31:59	68.0	76.6	58.7
21:32:59	70.2	80.1	53.9
21:33:59	73.1	79.3	53.1
21:34:59	64.6	73.3	53.7
21:35:59	58.6	69.6	50.2
21:36:59	69.5	77.2	50.8
21:37:59	60.9	70.3	51.0
21:38:59	64.8	77.3	51.5
21:39:59	64.7	76.0	50.4
21:40:59	65.6	75.5	51.7
21:41:59	62.4	70.3	50.8
21:42:59	61.0	69.4	55.2
21:43:59	68.4	76.1	55.4
21:44:59	80.7	83.5	73.2

**15-minute LAeq**

<b>70.9</b>
<b>67.0</b>

**Monitoring Location: Site E**  
**Monitoring Date: 8/5/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
21:48:43	63.7	70.8	53.4
21:49:43	70.4	77.9	62.1
21:50:43	63.2	70.7	53.4
21:51:43	66.3	76.5	55.3
21:52:43	70.3	82.7	51.9
21:53:43	68.3	75.7	59.5
21:54:43	58.3	64.8	48.7
21:55:43	63.7	70.1	51.2
21:56:43	68.2	77.8	48.5
21:57:43	59.6	69.3	50.3
21:58:43	64.6	73.8	47.1
21:59:43	68.9	75.7	49.0
22:00:43	63.4	71.0	52.9
22:01:43	65.4	74.2	51.2
22:02:43	64.0	73.3	54.4
22:03:43	54.6	55.5	54.2



**15-minute LAeq**

**66.2**



**Monitoring Location: Site F**  
**Monitoring Date: 8/5/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
21:07:08	59.8	69.6	43.2
21:08:08	63.2	73.2	46.6
21:09:08	57.8	69.2	45.0
21:10:08	54.2	64.8	42.7
21:11:08	62.0	75.2	42.6
21:12:08	59.6	70.7	43.9
21:13:08	57.5	65.7	47.1
21:14:08	55.7	64.8	45.1
21:15:08	60.3	69.5	49.2
21:16:08	57.1	66.9	46.3
21:17:08	54.7	58.9	46.5
21:18:08	62.1	73.0	44.8
21:19:08	61.8	69.6	48.4
21:20:08	63.0	75.6	44.5
21:21:08	58.1	70.9	43.2
21:22:08	57.7	59.0	50.0

**15-minute LAeq**

**59.9**

**Monitoring Location: Site G**  
**Monitoring Date: 8/5/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
20:27:12	60.7	67.7	43.9
20:28:12	59.4	69.2	48.0
20:29:12	61.1	67.4	49.6
20:30:12	63.3	70.8	49.4
20:31:12	61.9	71.7	48.8
20:32:12	55.0	61.2	42.8
20:33:12	62.9	72.1	46.1
20:34:12	48.9	58.5	41.8
20:35:12	60.2	67.6	44.1
20:36:12	66.5	80.2	48.2
20:37:12	60.8	68.2	47.9
20:38:12	65.6	72.5	50.5
20:39:12	55.3	66.2	41.8
20:40:12	92.0	105.4	46.9
20:41:12	62.0	69.2	49.9
20:42:12	60.4	67.7	54.0



**15-minute LAeq**

<b>80.0</b>
<b>61.5</b>

**Monitoring Location: Site H**  
**Monitoring Date: 8/4/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
20:40:17	46.7	52.2	43.4
20:41:17	51.4	58.8	43.4
20:42:17	53.2	60.5	47.3
20:43:17	56.2	63.1	44.5
20:44:17	56.1	65.7	44.9
20:45:17	51.1	57.0	45.8
20:46:17	56.1	61.3	49.0
20:47:17	66.0	74.1	46.7
20:48:17	47.5	52.6	44.0
20:49:17	53.5	63.4	45.2
20:50:17	55.2	61.7	44.7
20:51:17	52.2	59.3	44.0
20:52:17	53.2	61.2	44.1
20:53:17	46.6	56.2	42.9
20:54:17	52.0	58.8	43.0
20:55:17	56.0	56.9	55.0

**15-minute LAeq**

**56.6**

**Monitoring Location: Site I**  
**Monitoring Date: 8/4/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
21:14:41	54.3	63.7	48.9
21:15:41	60.6	72.2	50.7
21:16:41	54.1	61.5	50.1
21:17:41	65.1	73.7	50.6
21:18:41	54.4	59.7	49.3
21:19:41	56.4	66.2	50.2
21:20:41	62.7	72.9	52.9
21:21:41	59.2	72.8	51.4
21:22:41	55.8	63.6	52.0
21:23:41	55.8	64.1	50.1
21:24:41	53.4	60.1	49.5
21:25:41	56.6	69.2	49.6
21:26:41	55.2	59.8	51.3
21:27:41	57.8	65.0	49.6
21:28:41	54.9	63.5	49.6
21:29:41	55.0	57.4	51.6



**15-minute LAeq**

**58.5**

**Monitoring Location: Site J**  
**Monitoring Date: 8/4/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
20:53:54	67.9	76.9	49.4
20:54:54	68.3	74.0	49.9
20:55:54	66.6	72.8	52.3
20:56:54	65.2	72.1	50.9
20:57:54	71.9	76.1	56.9
20:58:54	71.0	79.1	56.9
20:59:54	69.5	74.3	56.6
21:00:54	71.3	83.4	54.5
21:01:54	69.5	76.7	54.0
21:02:54	66.6	72.3	58.4
21:03:54	68.9	75.7	56.1
21:04:54	72.7	78.2	54.4
21:05:54	66.7	76.1	51.0
21:06:54	67.3	73.7	53.2
21:07:54	68.6	75.9	52.1
21:08:54	61.7	67.7	51.4



**15-minute LAeq**

**69.1**

**Monitoring Location: Site K**  
**Monitoring Date: 8/4/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
20:15:47	62.4	68.0	53.4
20:16:47	59.9	69.9	52.5
20:17:47	65.4	74.5	55.2
20:18:47	63.1	73.8	52.6
20:19:47	60.9	69.7	52.3
20:20:47	62.2	68.8	52.7
20:21:47	61.3	70.8	51.0
20:22:47	62.9	70.0	51.1
20:23:47	67.2	76.7	53.1
20:24:47	62.7	71.1	56.6
20:25:47	60.3	66.0	51.8
20:26:47	57.8	68.9	48.3
20:27:47	60.5	69.0	51.0
20:28:47	64.5	76.2	53.7
20:29:47	58.1	68.2	49.9
20:30:47	68.8	69.2	68.0



**15-minute LAeq**

**63.4**

**Monitoring Location: Site L**  
**Monitoring Date: 8/4/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
21:05:20	69.6	75.9	58.5
21:06:20	73.4	78.3	62.9
21:07:20	72.5	81.8	55.9
21:08:20	70.8	80.1	56.7
21:09:20	71.0	82.0	48.7
21:10:20	76.0	84.2	55.8
21:11:20	69.4	76.6	59.0
21:12:20	76.1	85.3	51.8
21:13:20	70.8	78.6	52.5
21:14:20	68.7	78.3	55.5
21:15:20	70.8	76.9	49.7
21:16:20	78.5	92.7	59.8
21:17:20	65.7	76.1	43.3
21:18:20	73.2	82.4	49.7
21:19:20	72.3	81.0	58.1
21:20:20	59.1	61.5	58.7



**15-minute LAeq**

**72.8**

**Monitoring Location: Site M**

**Monitoring Date: 8/4/2020**

**Monitoring Period**

<b>Time</b>	<b>LAeq</b>	<b>LASmax</b>	<b>LASmin</b>
21:28:34	68.0	79.9	45.2
21:29:34	71.3	78.9	53.1
21:30:34	70.2	80.2	53.3
21:31:34	65.7	73.2	55.7
21:32:34	72.0	79.4	49.7
21:33:34	61.8	74.4	41.1
21:34:34	63.8	76.6	44.2
21:35:34	69.0	79.1	47.6
21:36:34	68.9	79.1	54.7
21:37:34	68.8	76.9	46.1
21:38:34	66.5	74.4	45.7
21:39:34	45.8	51.8	42.6
21:40:34	67.4	78.5	41.4
21:41:34	69.6	81.5	47.4
21:42:34	65.1	75.9	48.0
21:43:34	51.2	51.6	49.5



**15-minute LAeq**

**67.9**



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**APPENDIX 4.10.2**  
**Roadway Noise Levels**

**APPENDIX 4.10.2-1**

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***Traffic Turning Movement Counts Conversions***



ROADWAY SEGMENT ADT - TYPICAL WEEKDAY NON-EVENT CONDITIONS ADJUSTED BASELINE WITHOUT ITC PROJECT

STREET	Facility Type	Segment		Adjusted Baseline - ADT			
		From	To	NB/EB	SB/WB	Total	
		Crenshaw Dr	Crenshaw Bl	13,590	14,343	27,933	
		Crenshaw Bl	Van Ness Av	14,979	16,249	31,228	
Arbor Vitae St	Major Arterial	Grevillea Av	La Brea Av	6,517	7,128	13,645	
		La Brea Av	Myrtle Av	4,719	4,468	9,187	
		Myrtle Av	Prairie Av	4,171	4,186	8,357	
Century Bl	Major Arterial	Grevillea Av	La Brea Av/Hawthorne Bl	25,538	25,215	50,753	
		La Brea Av/Hawthorne Bl	Myrtle Av	20,724	20,527	41,251	
		Myrtle Av	Freeman Av	19,287	18,629	37,916	
		Freeman Av	Prairie Av	16,799	16,419	33,218	
		Prairie Av	Doty Av	20,567	20,524	41,091	
		Doty Av	HP Casino Dr	21,398	21,023	42,421	
		HP Casino Dr	Yukon Av	21,398	21,023	42,421	
		Yukon Av	Club Dr	20,369	20,775	41,144	
		Club Dr	Crenshaw Bl	21,505	21,651	43,156	
		Crenshaw Bl	Van Ness Av	18,431	18,165	36,596	
Regent St	Collector	Grevillea Av	La Brea Av	2,744	2,578	5,322	
		La Brea Av	Market St	8,258	8,064	16,322	
		Market St	Prairie Ave	3,935	4,336	8,271	
Hillcrest Bl	Collector	Grevillea Av	La Brea Av	4,322	4,478	8,800	
		La Brea Av	Market St	3,845	3,482	7,327	
		Market St	Nutwood St / Locust St	4,628	4,677	9,305	
		Nutwood St / Locust St	Manchester Bl	2,739	2,581	5,320	
		Manchester Bl	Florence Av	3,976	4,202	8,178	
Spruce Av	Collector	La Brea Av	Manchester Av	1,327	1,670	2,997	
Kelso St / Pincay Dr	Collector	Spruce Av	Prairie Av	2,664	2,999	5,663	
		Prairie Av	Kareem Ct	10,398	8,822	19,220	
		Kareem Ct	Crenshaw Bl	7,637	6,830	14,467	
Hardy St	Collector	La Brea Av	Prairie Ave	2,261	2,467	4,728	
104th St	Collector	Grevillea Av	Hawthorne Bl	3,588	3,221	6,809	
		Hawthorne Bl	Prairie Ave	1,904	2,187	4,091	
		Prairie Av	Doty Av	1,864	1,741	3,605	

NB		SB	
Daytime	Nighttime	Daytime	Nighttime
902.7344	160	979	173.3227
392.7579	70	430	76.032
284.3984	50	269	47.65867
251.3723	44	252	44.65067
1539.09	272	1,520	268.96
1248.966	221	1,237	218.9547
1162.363	206	1,123	198.7093
1012.42	179	990	175.136
1239.505	219	1,237	218.9227
1289.586	228	1,267	224.2453
1289.586	228	1,267	224.2453
1227.572	217	1,252	221.6
1296.035	229	1,305	230.944
1110.775	197	1,095	193.76
165.3717	29	155	27.49867
497.6821	88	486	86.016
237.1493	42	261	46.25067
260.4725	46	270	47.76533
231.7253	41	210	37.14133
278.9141	49	282	49.888
165.0704	29	156	27.53067
239.6203	42	253	44.82133
79.97387	14	101	17.81333
160.5504	28	181	31.98933
626.6528	111	532	94.10133
460.2565	81	412	72.85333
136.2629	24	149	26.31467
216.2368	38	194	34.35733
114.7477	20	132	23.328
112.3371	20	105	18.57067

Total	Daytime	MT	HT	Total	Nighttime	MT	HT
1,882.01	1,825.55	33.88	22.58	333.10	323.11	6.00	4.00
822.34	797.67	14.80	9.87	145.55	141.18	2.62	1.75
553.67	537.06	9.97	6.64	97.99	95.05	1.76	1.18
503.65	488.54	9.07	6.04	89.14	86.47	1.60	1.07
3,058.71	2,966.95	55.06	36.70	541.37	525.12	9.74	6.50
2,486.06	2,411.48	44.75	29.83	440.01	426.81	7.92	5.28
2,285.07	2,216.52	41.13	27.42	404.44	392.30	7.28	4.85
2,001.94	1,941.88	36.03	24.02	354.33	343.70	6.38	4.25
2,476.42	2,402.13	44.58	29.72	438.30	425.15	7.89	5.26
2,556.57	2,479.88	46.02	30.68	452.49	438.92	8.14	5.43
2,556.57	2,479.88	46.02	30.68	452.49	438.92	8.14	5.43
2,479.61	2,405.22	44.63	29.76	438.87	425.70	7.90	5.27
2,600.87	2,522.84	46.82	31.21	460.33	446.52	8.29	5.52
2,205.52	2,139.35	39.70	26.47	390.36	378.65	7.03	4.68
320.74	311.12	5.77	3.85	56.77	55.06	1.02	0.68
983.67	954.16	17.71	11.80	174.10	168.88	3.13	2.09
498.47	483.51	8.97	5.98	88.22	85.58	1.59	1.06
530.35	514.44	9.55	6.36	93.87	91.05	1.69	1.13
441.57	428.33	7.95	5.30	78.15	75.81	1.41	0.94
560.78	543.96	10.09	6.73	99.25	96.28	1.79	1.19
320.62	311.00	5.77	3.85	56.75	55.04	1.02	0.68
492.86	478.07	8.87	5.91	87.23	84.62	1.57	1.05
180.62	175.20	3.25	2.17	31.97	31.01	0.58	0.38
341.29	331.05	6.14	4.10	60.41	58.59	1.09	0.72
1,158.33	1,123.58	20.85	13.90	205.01	198.86	3.69	2.46
871.88	845.72	15.69	10.46	154.31	149.69	2.78	1.85
284.94	276.39	5.13	3.42	50.43	48.92	0.91	0.61
410.36	398.05	7.39	4.92	72.63	70.45	1.31	0.87
246.55	239.15	4.44	2.96	43.64	42.33	0.79	0.52
217.26	210.74	3.91	2.61	38.45	37.30	0.69	0.46

**ROADWAY SEGMENT ADT - TYPICAL WEEKDAY NON-EVENT CONDITIONS  
ADJUSTED BASELINE WITH ITC PROJECT**

STREET	Facility Type	Segment		Adjusted Baseline - ADT w/Project		
		From	To	NB/EB	SB/WB	Total
<b>NORTH/SOUTH STREETS</b>						
La Brea Av	Major Arterial	Hyde Park Bl	Florence Av	9,888	11,065	20,953
		Florence Av	Manchester Bl	12,018	12,686	24,704
		Manchester Bl	Spruce Av/Market St	9,521	9,916	19,437
		Spruce Av/Market St	Arbor Vitae St	11,668	13,379	25,047
		Arbor Vitae St	Hardy St	13,980	14,830	28,810
		Hardy St	Century Bl	14,367	15,565	29,932
Hawthorne Bl	Major Arterial	Century Bl	104th St	20,956	22,329	43,285
		104th St	Lennox Bl	23,111	25,291	48,402
Prairie Av	Major Arterial	Florence Av	Regent St	10,837	11,136	21,973
		Regent St	Manchester Bl	11,336	11,127	22,463
		Manchester Bl	Pincay Dr/Kelso St	13,975	15,114	29,089
		Pincay Dr/Kelso St	Arbor Vitae St	19,622	19,041	38,663
		Arbor Vitae St	Hardy St	16,397	15,963	32,360
		Hardy St	97th St	17,286	17,340	34,626
		97th St	Century Bl	17,286	17,340	34,626
		Century Bl	102nd St	15,433	15,741	31,174
		102nd St	104th St	15,606	16,079	31,685
		104th St	Lennox Bl	16,003	16,279	32,282
Crenshaw Bl	Major Arterial	80th St	Manchester Bl	11,474	12,141	23,615
		Manchester Bl	Pincay Dr/90th St	12,307	13,942	26,249
		Pincay Dr/90th St	Arbor Vitae St	14,890	17,112	32,002
		Arbor Vitae St	Hardy St	14,474	16,309	30,783
		Hardy St	Century Bl	14,901	16,639	31,540
		Century Bl	104th St	13,069	14,417	27,486
Market St	Minor Arterial	Florence Av	Regent St	1,550	1,705	3,255
		Regent St	Manchester Bl	3,548	4,254	7,802
Myrtle Av	Collector	Arbor Vitae St	Hardy St	1,732	2,106	3,838
Doty Av	Collector	Century Bl	104th St	2,759	2,697	5,456
Yukon Av	Collector	Century Bl	104th St	4,965	5,275	10,240
Locust St	Collector	Florence Av	Manchester Bl	1,848	1,861	3,709
<b>EAST/WEST STREETS</b>						
Centinela Av	Major Arterial	Hyde Park Bl	Florence Av	12,975	12,947	25,922
Florence Av	Major Arterial	Fir Av	La Brea Av	8,477	8,407	16,884
		La Brea Av	Market St	10,826	10,274	21,100
		Market St	Centinela Av	12,331	12,084	24,415
		Centinela Av	Prairie Av	20,359	20,337	40,696
		Prairie Ave	West Bl	20,025	20,109	40,134
Manchester Bl	Major Arterial	Grevillea Av	La Brea Av	10,558	10,812	21,370
		La Brea Av	Market St	10,709	10,939	21,648
		Market St	Locust St	9,340	9,423	18,763
		Locust St	Hillcrest Bl	10,009	10,243	20,252
		Hillcrest Bl	Spruce Av	12,297	12,015	24,312
		Spruce Av	Prairie Av	14,213	14,277	28,490
		Prairie Av	Kareem Ct	15,206	16,695	31,901
		Kareem Ct	Crenshaw Dr	17,931	18,665	36,596

Total	Daytime	MT	HT	Total	Nighttime	MT	HT
1,262.77	1,224.88	22.73	15.15	223.50	216.79	4.02	2.68
1,488.83	1,444.16	26.80	17.87	263.51	255.60	4.74	3.16
1,171.40	1,136.26	21.09	14.06	207.33	201.11	3.73	2.49
1,509.50	1,464.21	27.17	18.11	267.17	259.15	4.81	3.21
1,736.28	1,684.19	31.25	20.84	307.31	298.09	5.53	3.69
1,803.90	1,749.78	32.47	21.65	319.27	309.70	5.75	3.83
2,608.64	2,530.38	46.96	31.30	461.71	447.86	8.31	5.54
2,917.03	2,829.52	52.51	35.00	516.29	500.80	9.29	6.20
1,324.24	1,284.51	23.84	15.89	234.38	227.35	4.22	2.81
1,353.77	1,313.16	24.37	16.25	239.61	232.42	4.31	2.88
1,753.10	1,700.50	31.56	21.04	310.28	300.97	5.59	3.72
2,330.09	2,260.19	41.94	27.96	412.41	400.03	7.42	4.95
1,950.23	1,891.72	35.10	23.40	345.17	334.82	6.21	4.14
2,086.79	2,024.19	37.56	25.04	369.34	358.26	6.65	4.43
2,086.79	2,024.19	37.56	25.04	369.34	358.26	6.65	4.43
1,878.75	1,822.39	33.82	22.55	332.52	322.55	5.99	3.99
1,909.55	1,852.26	34.37	22.91	337.97	327.83	6.08	4.06
1,945.53	1,887.16	35.02	23.35	344.34	334.01	6.20	4.13
1,423.20	1,380.50	25.62	17.08	251.89	244.34	4.53	3.02
1,581.94	1,534.48	28.47	18.98	279.99	271.59	5.04	3.36
1,928.65	1,870.79	34.72	23.14	341.35	331.11	6.14	4.10
1,855.19	1,799.53	33.39	22.26	328.35	318.50	5.91	3.94
1,900.81	1,843.79	34.21	22.81	336.43	326.33	6.06	4.04
1,656.49	1,606.79	29.82	19.88	293.18	284.39	5.28	3.52
196.17	190.28	3.53	2.35	34.72	33.68	0.62	0.42
470.20	456.09	8.46	5.64	83.22	80.72	1.50	1.00
231.30	224.36	4.16	2.78	40.94	39.71	0.74	0.49
328.81	318.95	5.92	3.95	58.20	56.45	1.05	0.70
617.13	598.62	11.11	7.41	109.23	105.95	1.97	1.31
223.53	216.82	4.02	2.68	39.56	38.38	0.71	0.47
1,562.23	1,515.37	28.12	18.75	276.50	268.21	4.98	3.32
1,017.54	987.02	18.32	12.21	180.10	174.69	3.24	2.16
1,271.63	1,233.48	22.89	15.26	225.07	218.31	4.05	2.70
1,471.41	1,427.27	26.49	17.66	260.43	252.61	4.69	3.13
2,452.61	2,379.03	44.15	29.43	434.09	421.07	7.81	5.21
2,418.74	2,346.18	43.54	29.02	428.10	415.25	7.71	5.14
1,287.90	1,249.26	23.18	15.45	227.95	221.11	4.10	2.74
1,304.65	1,265.51	23.48	15.66	230.91	223.98	4.16	2.77
1,130.78	1,096.86	20.35	13.57	200.14	194.13	3.60	2.40
1,220.52	1,183.90	21.97	14.65	216.02	209.54	3.89	2.59
1,465.20	1,421.25	26.37	17.58	259.33	251.55	4.67	3.11
1,717.00	1,665.49	30.91	20.60	303.89	294.78	5.47	3.65
1,922.57	1,864.89	34.61	23.07	340.28	330.07	6.12	4.08
2,205.52	2,139.35	39.70	26.47	390.36	378.65	7.03	4.68

**ROADWAY SEGMENT ADT - TYPICAL WEEKDAY NON-EVENT CONDITIONS  
ADJUSTED BASELINE WITH ITC PROJECT**

STREET	Facility Type	Segment		Adjusted Baseline - ADT w/Project		
		From	To	NB/EB	SB/WB	Total
Arbor Vitae St	Major Arterial	Crenshaw Dr	Crenshaw Bl	13,518	14,270	27,788
		Crenshaw Bl	Van Ness Av	14,911	16,178	31,089
		Grevillea Av	La Brea Av	6,461	7,074	13,535
		La Brea Av	Myrtle Av	4,669	4,426	9,095
		Myrtle Av	Prairie Av	4,151	4,166	8,317
Century Bl	Major Arterial	Grevillea Av	La Brea Av/Hawthorne Bl	25,468	25,136	50,604
		La Brea Av/Hawthorne Bl	Myrtle Av	20,640	20,432	41,072
		Myrtle Av	Freeman Av	19,216	18,554	37,770
		Freeman Av	Prairie Av	16,727	16,342	33,069
		Prairie Av	Doty Av	20,396	20,346	40,742
		Doty Av	HP Casino Dr	21,214	20,843	42,057
		HP Casino Dr	Yukon Av	21,214	20,843	42,057
		Yukon Av	Club Dr	20,185	20,576	40,761
		Club Dr	Crenshaw Bl	21,287	21,426	42,713
		Crenshaw Bl	Van Ness Av	18,309	18,038	36,347
		Regent St	Collector	Grevillea Av	La Brea Av	2,733
La Brea Av	Market St			8,192	7,995	16,187
Market St	Prairie Ave			3,911	4,310	8,221
Hillcrest Bl	Collector	Grevillea Av	La Brea Av	4,300	4,455	8,755
		La Brea Av	Market St	3,822	3,459	7,281
		Market St	Nutwood St / Locust St	4,586	4,634	9,220
		Nutwood St / Locust St	Manchester Bl	2,737	2,579	5,316
		Manchester Bl	Florence Av	3,943	4,167	8,110
Spruce Av	Collector	La Brea Av	Manchester Av	1,310	1,650	2,960
Kelso St / Pincay Dr	Collector	Spruce Av	Prairie Av	2,651	2,982	5,633
		Prairie Av	Kareem Ct	10,304	8,747	19,051
		Kareem Ct	Crenshaw Bl	7,579	6,777	14,356
Hardy St	Collector	La Brea Av	Prairie Ave	2,201	2,401	4,602
104th St	Collector	Grevillea Av	Hawthorne Bl	3,587	3,219	6,806
		Hawthorne Bl	Prairie Ave	1,903	2,186	4,089
		Prairie Av	Doty Av	1,858	1,737	3,595

Total	Daytime	MT	HT	Total	Nighttime	MT	HT
1,674.69	1,624.45	30.14	20.10	296.41	287.51	5.34	3.56
1,873.63	1,817.42	33.73	22.48	331.62	321.67	5.97	3.98
815.71	791.24	14.68	9.79	144.37	140.04	2.60	1.73
548.13	531.68	9.87	6.58	97.01	94.10	1.75	1.16
501.24	486.20	9.02	6.01	88.71	86.05	1.60	1.06
3,049.73	2,958.24	54.90	36.60	539.78	523.58	9.72	6.48
2,475.27	2,401.01	44.55	29.70	438.10	424.96	7.89	5.26
2,276.27	2,207.98	40.97	27.32	402.88	390.79	7.25	4.83
1,992.96	1,933.17	35.87	23.92	352.74	342.15	6.35	4.23
2,455.38	2,381.72	44.20	29.46	434.58	421.54	7.82	5.21
2,534.64	2,458.60	45.62	30.42	448.61	435.15	8.07	5.38
2,534.64	2,458.60	45.62	30.42	448.61	435.15	8.07	5.38
2,456.53	2,382.83	44.22	29.48	434.78	421.74	7.83	5.22
2,574.17	2,496.95	46.34	30.89	455.61	441.94	8.20	5.47
2,190.51	2,124.80	39.43	26.29	387.70	376.07	6.98	4.65
319.53	309.95	5.75	3.83	56.55	54.86	1.02	0.68
975.54	946.27	17.56	11.71	172.66	167.48	3.11	2.07
495.45	480.59	8.92	5.95	87.69	85.06	1.58	1.05
527.63	511.81	9.50	6.33	93.39	90.59	1.68	1.12
438.80	425.64	7.90	5.27	77.66	75.33	1.40	0.93
555.66	538.99	10.00	6.67	98.35	95.40	1.77	1.18
320.38	310.77	5.77	3.84	56.70	55.00	1.02	0.68
488.76	474.10	8.80	5.87	86.51	83.91	1.56	1.04
178.39	173.04	3.21	2.14	31.57	30.63	0.57	0.38
339.48	329.30	6.11	4.07	60.09	58.28	1.08	0.72
1,148.14	1,113.70	20.67	13.78	203.21	197.11	3.66	2.44
865.19	839.23	15.57	10.38	153.13	148.54	2.76	1.84
277.35	269.03	4.99	3.33	49.09	47.62	0.88	0.59
410.17	397.87	7.38	4.92	72.60	70.42	1.31	0.87
246.43	239.04	4.44	2.96	43.62	42.31	0.79	0.52
216.66	210.16	3.90	2.60	38.35	37.20	0.69	0.46



FUTURE (2026) WITHOUT ITC PROJECT

STREET	Facility Type	Segment		Future (2026) ADT w/o Project			NFL Event ADT w/o Project			Future (2026) + NFL Event ADT w/o Project		
		From	To	NB/EB	SB/WB	Total	NB/EB	SB/WB	Total	NB/EB	SB/WB	Total
		Manchester Bl	Florence Av	4,952	5,304	10,256	0	0	0	4,952	5,304	10,256
Spruce Av	Collector	La Brea Av	Manchester Av	3,903	4,250	8,153	0	0	0	3,903	4,250	8,153
Kelso St / Pincay Dr	Collector	Spruce Av	Prairie Av	3,558	3,692	7,250	0	0	0	3,558	3,692	7,250
		Prairie Av	Kareem Ct	12,135	10,917	23,052	952	901	1,853	13,087	11,818	24,905
		Kareem Ct	Crenshaw Bl	9,828	8,977	18,805	2,986	6,047	9,033	12,814	15,024	27,838
Hardy St	Collector	La Brea Av	Prairie Ave	3,620	3,750	7,370	0	0	0	3,620	3,750	7,370
104th St	Collector	Grevillea Av	Hawthorne Bl	4,505	3,821	8,326	0	0	0	4,505	3,821	8,326
		Hawthorne Bl	Prairie Ave	2,492	2,660	5,152	0	0	0	2,492	2,660	5,152
		Prairie Av	Doty Av	3,557	3,266	6,823	0	0	0	3,557	3,266	6,823

NB		SB	
298.441	52.8213	319.6544	56.576
235.221	41.632	256.1333	45.33333
214.429	37.952	222.5045	39.38133
788.71	139.595	712.2315	126.0587
772.257	136.683	905.4464	160.256
218.165	38.6133	226	40
271.501	48.0533	230.2789	40.75733
150.185	26.5813	160.3093	28.37333
214.369	37.9413	196.8309	34.83733

Total	Daytime			Total	Nighttime		
	MT	HT	MT		HT		
618.09	599.55	11.13	7.42	109.40	106.12	1.97	1.31
491.35	476.61	8.84	5.90	86.97	84.36	1.57	1.04
436.93	423.83	7.86	5.24	77.33	75.01	1.39	0.93
1,500.94	1,455.91	27.02	18.01	265.65	257.68	4.78	3.19
1,677.70	1,627.37	30.20	20.13	296.94	288.03	5.34	3.56
444.17	430.84	7.99	5.33	78.61	76.25	1.42	0.94
501.78	486.73	9.03	6.02	88.81	86.15	1.60	1.07
310.49	301.18	5.59	3.73	54.95	53.31	0.99	0.66
411.20	398.86	7.40	4.93	72.78	70.60	1.31	0.87





**ROADWAY SEGMENT ADT - WEEKDAY NFL GAME EVENT CONDITIONS  
FUTURE (2026) WITH ITC PROJECT**

STREET	Facility Type	Segment		Future (2026) ADT w/Project			NFL Event ADT w/Project			Future (2026) + NFL Event ADT w/Project		
		From	To	NB/EB	SB/WB	Total	NB/EB	SB/WB	Total	NB/EB	SB/WB	Total
		Manchester Bl	Florence Av	4,903	5,250	10,153	0	0	0	4,903	5,250	10,153
Spruce Av	Collector	La Brea Av	Manchester Av	3,819	4,160	7,979	0	0	0	3,819	4,160	7,979
Kelso St / Pincay Dr	Collector	Spruce Av	Prairie Av	3,510	3,637	7,147	0	0	0	3,510	3,637	7,147
		Prairie Av	Kareem Ct	11,971	10,751	22,722	928	799	1,727	12,899	11,550	24,449
		Kareem Ct	Crenshaw Bl	9,705	8,851	18,556	2,649	5,716	8,365	12,354	14,567	26,921
Hardy St	Collector	La Brea Av	Prairie Ave	3,519	3,646	7,165	0	0	0	3,519	3,646	7,165
104th St	Collector	Grevillea Av	Hawthorne Bl	4,504	3,820	8,324	0	0	0	4,504	3,820	8,324
		Hawthorne Bl	Prairie Ave	2,487	2,653	5,140	0	0	0	2,487	2,653	5,140
		Prairie Av	Doty Av	3,535	3,245	6,780	0	0	0	3,535	3,245	6,780

NB		SB	
295.487	52.2987	316.4	56
230.158	40.736	250.7093	44.37333
211.536	37.44	219.1899	38.79467
777.38	137.589	696.08	123.2
744.534	131.776	877.9045	155.3813
212.078	37.536	219.7323	38.89067
271.441	48.0427	230.2187	40.74667
149.883	26.528	159.8875	28.29867
213.043	37.7067	195.5653	34.61333

Total	Daytime	MT	HT	Total	Nighttime	MT	HT
611.89	593.53	11.01	7.34	108.30	105.05	1.95	1.30
480.87	466.44	8.66	5.77	85.11	82.56	1.53	1.02
430.73	417.80	7.75	5.17	76.23	73.95	1.37	0.91
1,473.46	1,429.26	26.52	17.68	260.79	252.97	4.69	3.13
1,622.44	1,573.77	29.20	19.47	287.16	278.54	5.17	3.45
431.81	418.86	7.77	5.18	76.43	74.13	1.38	0.92
501.66	486.61	9.03	6.02	88.79	86.13	1.60	1.07
309.77	300.48	5.58	3.72	54.83	53.18	0.99	0.66
408.61	396.35	7.35	4.90	72.32	70.15	1.30	0.87



**ROADWAY SEGMENT ADT - WEEKDAY NFL GAME EVENT CONDITIONS  
FUTURE (2045) WITHOUT ITC PROJECT**

STREET	Facility Type	Segment		Future (2045) ADT w/o Project			NFL Event ADT w/o Project			Future (2045) + NFL Event ADT w/o Project		
		From	To	NB/EB	SB/WB	Total	NB/EB	SB/WB	Total	NB/EB	SB/WB	Total
		Manchester Bl	Florence Av	5,658	6,058	11,716	0	0	0	5,658	6,058	11,716
Spruce Av	Collector	La Brea Av	Manchester Av	4,433	5,117	9,550	0	0	0	4,433	5,117	9,550
Kelso St / Pincay Dr	Collector	Spruce Av	Prairie Av	4,240	4,523	8,763	0	0	0	4,240	4,523	8,763
		Prairie Av	Kareem Ct	13,745	12,924	26,669	952	901	1,853	14,697	13,825	28,522
		Kareem Ct	Crenshaw Bl	12,082	11,069	23,151	2,986	6,047	9,033	15,068	17,116	32,184
Hardy St	Collector	La Brea Av	Prairie Ave	4,145	4,185	8,330	0	0	0	4,145	4,185	8,330
104th St	Collector	La Brea Av	Hawthorne Bl	5,647	4,753	10,400	0	0	0	5,647	4,753	10,400
		Grevillea Av	Prairie Ave	3,157	3,338	6,495	0	0	0	3,157	3,338	6,495
		Hawthorne Bl	Doty Av	4,245	3,901	8,146	0	0	0	4,245	3,901	8,146

NB		SB	
340.989	60.352	365.0955	64.61867
267.162	47.2853	308.3845	54.58133
255.531	45.2267	272.5861	48.24533
885.739	156.768	833.1867	147.4667
908.098	160.725	1031.524	182.5707
249.805	44.2133	252.216	44.64
340.326	60.2347	286.4475	50.69867
190.262	33.6747	201.1701	35.60533
255.832	45.28	235.1003	41.61067

Total	Daytime			Total	Nighttime		
	MT	HT	MT		HT		
706.08	684.90	12.71	8.47	124.97	121.22	2.25	1.50
575.55	558.28	10.36	6.91	101.87	98.81	1.83	1.22
528.12	512.27	9.51	6.34	93.47	90.67	1.68	1.12
1,718.93	1,667.36	30.94	20.63	304.23	295.11	5.48	3.65
1,939.62	1,881.43	34.91	23.28	343.30	333.00	6.18	4.12
502.02	486.96	9.04	6.02	88.85	86.19	1.60	1.07
626.77	607.97	11.28	7.52	110.93	107.61	2.00	1.33
391.43	379.69	7.05	4.70	69.28	67.20	1.25	0.83
490.93	476.20	8.84	5.89	86.89	84.28	1.56	1.04



**ROADWAY SEGMENT ADT - WEEKDAY NFL GAME EVENT CONDITIONS  
FUTURE (2045) WITH ITC PROJECT**

STREET	Facility Type	Segment		Future (2045) ADT w/Project			NFL Event ADT w/Project			Future (2045) + NFL Event ADT w/Project		
		From	To	NB/EB	SB/WB	Total	NB/EB	SB/WB	Total	NB/EB	SB/WB	Total
		Manchester Bl	Florence Av	5,595	5,991	11,586	0	0	0	5,595	5,991	11,586
Spruce Av	Collector	La Brea Av	Manchester Av	4,338	5,010	9,348	0	0	0	4,338	5,010	9,348
Kelso St / Pincay Dr	Collector	Spruce Av	Prairie Av	4,174	4,447	8,621	0	0	0	4,174	4,447	8,621
		Prairie Av	Kareem Ct	13,547	12,699	26,246	893	766	1,659	14,440	13,465	27,905
		Kareem Ct	Crenshaw Bl	11,901	10,889	22,790	2,538	5,607	8,145	14,439	16,496	30,935
Hardy St	Collector	La Brea Av	Prairie Ave	4,032	4,070	8,102	0	0	0	4,032	4,070	8,102
104th St	Collector	Grevillea Av	Hawthorne Bl	5,645	4,750	10,395	0	0	0	5,645	4,750	10,395
		Hawthorne Bl	Prairie Ave	3,149	3,328	6,477	0	0	0	3,149	3,328	6,477
		Prairie Av	Doty Av	4,217	3,876	8,093	0	0	0	4,217	3,876	8,093

NB		SB	
337.192	59.68	361.0576	63.904
261.437	46.272	301.936	53.44
251.553	44.5227	268.0059	47.43467
870.251	154.027	811.4907	143.6267
870.19	154.016	994.1589	175.9573
242.995	43.008	245.2853	43.41333
340.205	60.2133	286.2667	50.66667
189.78	33.5893	200.5675	35.49867
254.145	44.9813	233.5936	41.344

Total	Daytime	MT	HT	Total	Nighttime	MT	HT
698.25	677.30	12.57	8.38	123.58	119.88	2.22	1.48
563.37	546.47	10.14	6.76	99.71	96.72	1.79	1.20
519.56	503.97	9.35	6.23	91.96	89.20	1.66	1.10
1,681.74	1,631.29	30.27	20.18	297.65	288.72	5.36	3.57
1,864.35	1,808.42	33.56	22.37	329.97	320.07	5.94	3.96
488.28	473.63	8.79	5.86	86.42	83.83	1.56	1.04
626.47	607.68	11.28	7.52	110.88	107.55	2.00	1.33
390.35	378.64	7.03	4.68	69.09	67.02	1.24	0.83
487.74	473.11	8.78	5.85	86.33	83.74	1.55	1.04

**APPENDIX 4.10.2-2**

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***Adjusted Baseline Typical Weekday Non-Event  
Without Project Roadway Noise Levels***

	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT	ADT	ADT	ADT	ADT	ADT	
104th Street (Grevillea Ave to Hawthorne Blvd)	398.1	7.4	4.9	70.5	1.3	0.9	64.4
104th Street (Hawthorne Bl to Prairie Av)	239.2	4.4	2.9	42.3	0.8	0.5	64.4
104th Street (Prairie Av to Doty Av)	210.7	3.9	2.6	37.3	0.7	0.5	64.4
Arbor Vitae Street (Grevillea Av to La Brea Av)	797.7	14.8	9.9	141.2	2.6	1.8	56.3
Arbor Vitae Street (La Brea Av to Myrtle to Prairie Av)	537.1	10.0	6.6	95.1	1.8	1.2	56.3
	488.5	9.1	6.0	86.5	1.6	1.1	
Centinela Avenue (Hyde Park to Florence Av)	1521.9	28.2	18.8	269.4	5.0	3.3	56.3
Centinela Avenue (Hyde Park to Florence Ave)	1521.9	28.2	18.8	269.4	5.0	3.3	56.3
Crenshaw Boulevard (80th Street to Manchester Boulevard)	1384.8	25.7	17.1	245.1	4.6	3.0	64.4
Crenshaw Boulevard (Arbor Vitae St to Hardy St)	1807.1	33.5	22.4	319.9	5.9	4.0	64.4
Crenshaw Boulevard (Century Bl to 104th)	1610.7	29.9	19.9	285.1	5.3	3.5	64.4
Crenshaw Boulevard (Century Bl to 104th)	1610.7	29.9	19.9	285.1	5.3	3.5	64.4
Crenshaw Boulevard (Century Bl to 104th)	1610.7	29.9	19.9	285.1	5.3	3.5	64.4
Crenshaw Boulevard (Pincay St to Century Bl)	1852.4	34.4	22.9	327.9	6.1	4.1	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	1852.4	34.4	22.9	327.9	6.1	4.1	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	1852.4	34.4	22.9	327.9	6.1	4.1	64.4
							64.4
Crenshaw Boulevard (Manchester Bl to Pincay Dr/90th St)	1539.4	28.6	19.0	272.5	5.1	3.4	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	1877.4	34.8	23.2	332.3	6.2	4.1	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	1877.4	34.8	23.2	332.3	6.2	4.1	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	1877.4	34.8	23.2	332.3	6.2	4.1	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	1877.4	34.8	23.2	332.3	6.2	4.1	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	1877.4	34.8	23.2	332.3	6.2	4.1	64.4
East Florence Avenue (Centinela Av to Prairie Av)	2383.3	44.2	29.5	421.8	7.8	5.2	64.4
East Florence Avenue (Fir Av to La Brea Av)	987.0	18.3	12.2	174.7	3.2	2.2	64.4
East Florence Avenue (La Brea Av to Market St)	1233.9	22.9	15.3	218.4	4.1	2.7	64.4
East Florence Avenue (Market St to Centinela Av)	1428.2	26.5	17.7	252.8	4.7	3.1	64.4
East Florence Avenue (Prairie Av to West Blvd)	2350.9	43.6	29.1	416.1	7.7	5.2	64.4
East Hardy Street (La Brea Av to Prairie Av)	276.4	5.1	3.4	48.9	0.9	0.6	40.2
East Manchester Boulevard (Grevillea Av to La Brea Av)	1255.7	23.3	15.5	222.3	4.1	2.8	56.3
East Manchester Boulevard (Hillcrest Bl to Spruce Av)	1429.9	26.5	17.7	253.1	4.7	3.1	56.3
East Manchester Boulevard (La Brea Av to Market St)	1271.9	23.6	15.7	225.1	4.2	2.8	56.3
East Manchester Boulevard (Locust St to Hillcrest Bl)	1188.2	22.1	14.7	210.3	3.9	2.6	56.3
East Manchester Boulevard (Market St to Locust St)	1102.2	20.5	13.6	195.1	3.6	2.4	56.3
East Manchester Boulevard (Spruce Av to Prairie Av)	1678.9	31.4	20.8	297.2	5.5	3.7	56.3
East Regent Street (La Brea Av to Market St)	954.2	17.7	11.8	168.9	3.1	2.1	64.4
East Regent Street (Market St to Prairie Av)	483.5	9.0	6.0	85.6	1.6	1.1	56.3
Hawthorne Boulevard (104th St to Lennox Bl)	2833.7	52.6	35.1	501.5	9.3	6.2	56.3
Hawthorne Boulevard (Century Bl to 104th St)	2534.5	47.0	31.4	448.6	8.3	5.6	56.3
Hillcrest Bl (Grevillea Av to La Brea Av)	514.4	9.6	6.4	91.1	1.7	1.1	56.4
Hillcrest Blvd (La Brea Av to Market St)	428.3	8.0	5.3	75.8	1.4	0.9	56.4
Hillcrest Blvd (Market St to Nutwood St)	544.0	10.1	6.7	96.3	1.8	1.2	56.4
Hillcrest Blvd (Nutwood St to Manchester Blvd)	311.0	5.8	3.9	55.0	1.0	0.7	56.4
Kelso St/Pincay Drive (Kareem Ct to Crenshaw Bl)	845.7	15.7	10.5	149.7	2.8	1.9	72.4
Kelso St/Pincay Drive (Prairie Av to Kareem Ct)	1123.6	20.9	13.9	198.9	3.7	2.5	72.4
Kelso St/Pincay Drive (Spruce Ave to Prairie Avenue)	331.1	6.1	4.1	58.6	1.1	0.7	64.4
La Brea Avenue (Arbor Vitae St to Hardy St)	1689.6	31.4	20.9	299.0	5.6	3.7	56.3
La Brea Avenue (Hardy Street to Century Bl)	1754.2	32.6	21.7	310.5	5.8	3.8	56.3
La Brea Avenue (Market Street to Arbor Vitae St)	1468.1	27.2	18.2	259.8	4.8	3.2	56.3
Manchester Bl (Crenshaw Dr to Crenshaw Bl)	1632.9	30.3	20.2	289.0	5.4	3.6	64.4
Myrtle Avenue (Arbor Vitae Street to Hardy Street)	227.6	4.2	2.8	40.3	0.8	0.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	478.1	8.9	5.9	84.6	1.6	1.1	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	478.1	8.9	5.9	84.6	1.6	1.1	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	478.1	8.9	5.9	84.6	1.6	1.1	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	478.1	8.9	5.9	84.6	1.6	1.1	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	478.1	8.9	5.9	84.6	1.6	1.1	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	478.1	8.9	5.9	84.6	1.6	1.1	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	478.1	8.9	5.9	84.6	1.6	1.1	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	478.1	8.9	5.9	84.6	1.6	1.1	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	478.1	8.9	5.9	84.6	1.6	1.1	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	478.1	8.9	5.9	84.6	1.6	1.1	56.4
North La Brea Avenue (Florence Av to Manchester Bl)	1447.3	26.9	17.9	256.2	4.8	3.2	56.3
North La Brea Avenue (Florence Av to Manchester Bl)	1447.3	26.9	17.9	256.2	4.8	3.2	56.3
North La Brea Avenue (From Hyde Park to Florence Av)	1229.2	22.8	15.2	217.6	4.0	2.7	56.3
North Locust Street (Florence Av to Manchester Bl)	219.0	4.1	2.7	38.8	0.7	0.5	40.2



	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT	ADT	ADT	ADT	ADT	ADT	
North Market Street (Regent St to Florence Av)	190.8	3.5	2.4	33.8	0.6	0.4	40.2
North Prairie Avenue (Florence Ave to Regent Street)	1294.3	24.0	16.0	229.1	4.3	2.8	64.4
North Prairie Avenue (Regent Street to Manchester Boulevard)	1323.6	24.6	16.4	234.3	4.4	2.9	64.4
South Doty Avenue (Century Bl to 102nd)	325.2	6.0	4.0	57.6	1.1	0.7	40.2
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1137.0	21.1	14.1	201.2	3.7	2.5	56.3
South Market Street (Manchester Bl to Regent St)	459.1	8.5	5.7	81.3	1.5	1.0	40.2
South Market Street (Manchester Bl to Regent St)	459.1	8.5	5.7	81.3	1.5	1.0	40.2
South Prairie Avenue (97th St to Century Bl)	2058.8	38.2	25.5	364.4	6.8	4.5	64.4
South Prairie Avenue (102nd Street to 104th Street)	1877.1	34.8	23.2	332.2	6.2	4.1	64.4
South Prairie Avenue (Arbor Vitae St to Hardy Street)	1922.7	35.7	23.8	340.3	6.3	4.2	64.4
South Prairie Avenue (Century Bl to 102nd St)	1848.3	34.3	22.9	327.1	6.1	4.1	64.4
South Prairie Avenue (From 104th St to Lennox Bl)	1909.7	35.4	23.6	338.0	6.3	4.2	64.4
South Prairie Avenue (Hardy Street to 97th Street)	2058.8	38.2	25.5	364.4	6.8	4.5	64.4
South Prairie Avenue (Manchester Bl to Pincay Dr/Kelso St)	1718.7	31.9	21.3	304.2	5.6	3.8	64.4
South Prairie Avenue (Pincay Dr/Kelso St to Arbor Vitae)	2290.8	42.5	28.3	405.5	7.5	5.0	64.4
South Yukon Avenue (Century Bl to 102nd Street)	612.1	11.4	7.6	108.3	2.0	1.3	48.3
Spruce Av (La Brea Av to Manchester Av)	175.2	3.3	2.2	31.0	0.6	0.4	56.4
West Century Boulevard (Club Dr to Crenshaw Bl)	2522.8	46.8	31.2	446.5	8.3	5.5	64.4
West Century Boulevard (Doty Av to HP Casino Way)	2479.9	46.0	30.7	438.9	8.1	5.4	64.4
West Century Boulevard (Freeman Av to Prairie Av)	1941.9	36.0	24.0	343.7	6.4	4.3	64.4
West Century Boulevard (From Crenshaw to Van Ness)	2139.4	39.7	26.5	378.7	7.0	4.7	64.4
West Century Boulevard (From La Brea to Myrtle)	2411.5	44.8	29.8	426.8	7.9	5.3	64.4
West Century Boulevard (From La Brea to Myrtle)	2411.5	44.8	29.8	426.8	7.9	5.3	64.4
West Century Boulevard (From La Brea to Myrtle)	2411.5	44.8	29.8	426.8	7.9	5.3	64.4
West Century Boulevard (From Prairie to Doty)	2402.1	44.6	29.7	425.2	7.9	5.3	64.4
West Century Boulevard (Grevillea Ave to La Brea Av/Hawthorne B)	2967.0	55.1	36.7	525.1	9.7	6.5	64.4
West Century Boulevard (HP Casino Way to Yukon)	2479.9	46.0	30.7	438.9	8.1	5.4	64.4
West Century Boulevard (Myrtle Av to Freeman Av)	2216.5	41.1	27.4	392.3	7.3	4.9	64.4
West Century Boulevard (Yukon to Club)	2405.2	44.6	29.8	425.7	7.9	5.3	64.4
West Century Boulevard (Yukon to Club)	2405.2	44.6	29.8	425.7	7.9	5.3	64.4
West Century Boulevard (Yukon to Club)	2405.2	44.6	29.8	425.7	7.9	5.3	64.4
West Century Boulevard (Yukon to Club)	2405.2	44.6	29.8	425.7	7.9	5.3	64.4
West Manchester Boulevard (Crenshaw Bl to Van Ness)	1825.6	33.9	22.6	323.1	6.0	4.0	64.4
West Manchester Boulevard (from Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	1875.1	34.8	23.2	331.9	6.2	4.1	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	1875.1	34.8	23.2	331.9	6.2	4.1	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Regent Street (Grevillea Av to La Brea Av)	311.1	5.8	3.9	55.1	1.0	0.7	56.3

**APPENDIX 4.10.2-3**

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***Adjusted Baseline With Project Roadway Noise Levels***

	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT	ADT	ADT	ADT	ADT	ADT	
104th Street (Grevillea Ave to Hawthorne Blvd)	397.9	7.4	4.9	70.4	1.3	0.9	64.4
104th Street (Hawthorne Bl to Prairie Av)	239.0	4.4	3.0	42.3	0.8	0.5	64.4
104th Street (Prairie Av to Doty Av)	210.2	3.9	2.6	37.2	0.7	0.5	64.4
Arbor Vitae Street (Grevillea Av to La Brea Av)	791.2	14.7	9.8	140.0	2.6	1.7	56.3
Arbor Vitae Street (La Brea Av to Myrtle to Prairie Av)	531.7	9.9	6.6	94.1	1.8	1.2	56.3
	486.2	9.0	6.0	86.1	1.6	1.1	
Centinela Avenue (Hyde Park to Florence Av)	1515.4	28.1	18.8	268.2	5.0	3.3	56.3
Centinela Avenue (Hyde Park to Florence Ave)	1515.4	28.1	18.8	268.2	5.0	3.3	56.3
Crenshaw Boulevard (80th Street to Manchester Boulevard)	1380.5	25.6	17.1	244.3	4.5	3.0	64.4
Crenshaw Boulevard (Arbor Vitae St to Hardy St)	1799.5	33.4	22.3	318.5	5.9	3.9	64.4
Crenshaw Boulevard (Century Bl to 104th)	1606.8	29.8	19.9	284.4	5.3	3.5	64.4
Crenshaw Boulevard (Century Bl to 104th)	1606.8	29.8	19.9	284.4	5.3	3.5	64.4
Crenshaw Boulevard (Century Bl to 104th)	1606.8	29.8	19.9	284.4	5.3	3.5	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	1843.5	34.2	22.8	326.3	6.1	4.0	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	1843.5	34.2	22.8	326.3	6.1	4.0	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	1843.5	34.2	22.8	326.3	6.1	4.0	64.4
	1534.5	28.5	19.0	271.6	5.0	3.4	64.4
Crenshaw Boulevard (Manchester Bl to Pincay Dr/90th St)	1870.8	34.7	23.1	331.1	6.1	4.1	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	1870.8	34.7	23.1	331.1	6.1	4.1	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	1870.8	34.7	23.1	331.1	6.1	4.1	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	1870.8	34.7	23.1	331.1	6.1	4.1	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	1870.8	34.7	23.1	331.1	6.1	4.1	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2379.0	44.2	29.4	421.1	7.8	5.2	64.4
East Florence Avenue (Centinela Av to Prairie Av)	987.0	18.3	12.2	174.7	3.2	2.2	64.4
East Florence Avenue (Fir Av to La Brea Av)	1233.5	22.9	15.3	218.3	4.1	2.7	64.4
East Florence Avenue (La Brea Av to Market St)	1427.3	26.5	17.7	252.6	4.7	3.1	64.4
East Florence Avenue (Market St to Centinela Av)	2346.2	43.5	29.0	415.3	7.7	5.1	64.4
East Florence Avenue (Prairie Av to West Blvd)	269.0	5.0	3.3	47.6	0.9	0.6	40.2
East Hardy Street (La Brea Av to Prairie Av)	1249.3	23.2	15.5	221.1	4.1	2.7	56.3
East Manchester Boulevard (Grevillea Av to La Brea Av)	1421.3	26.4	17.6	251.6	4.7	3.1	56.3
East Manchester Boulevard (Hillcrest Bl to Spruce Av)	1265.5	23.5	15.7	224.0	4.2	2.8	56.3
East Manchester Boulevard (La Brea Av to Market St)	1183.9	22.0	14.7	209.5	3.9	2.6	56.3
East Manchester Boulevard (Locust St to Hillcrest Bl)	1096.9	20.4	13.6	194.1	3.6	2.4	56.3
East Manchester Boulevard (Market St to Locust St)	1665.5	30.9	20.6	294.8	5.5	3.7	56.3
East Manchester Boulevard (Spruce Av to Prairie Av)	946.3	17.6	11.7	167.5	3.1	2.1	64.4
East Regent Street (La Brea Av to Market St)							
	480.6	8.9	6.0	85.1	1.6	1.1	56.3
East Regent Street (Market St to Prairie Av)	2829.5	52.5	35.0	500.8	9.3	6.2	56.3
Hawthorne Boulevard (104th St to Lennox Bl)	2530.4	47.0	31.3	447.9	8.3	5.5	56.3
Hawthorne Boulevard (Century Bl to 104th St)	511.8	9.5	6.3	90.6	1.7	1.1	56.4
Hillcrest Bl (Grevillea Av to La Brea Av)	425.6	7.9	5.3	75.3	1.4	0.9	56.4
Hillcrest Blvd (La Brea Av to Market St)	539.0	10.0	6.7	95.4	1.8	1.2	56.4
Hillcrest Blvd (Market St to Nutwood St)	310.8	5.8	3.8	55.0	1.0	0.7	56.4
Hillcrest Blvd (Nutwood St to Manchester Blvd)	839.2	15.6	10.4	148.5	2.8	1.8	72.4
Kelso St/Pincay Drive (Kareem Ct to Crenshaw Bl)	1113.7	20.7	13.8	197.1	3.7	2.4	72.4
Kelso St/Pincay Drive (Prairie Av to Kareem Ct)	329.3	6.1	4.1	58.3	1.1	0.7	64.4
Kelso St/Pincay Drive (Spruce Ave to Prairie Avenue)	1684.2	31.3	20.8	298.1	5.5	3.7	56.3
La Brea Avenue (Arbor Vitae St to Hardy St)	1749.8	32.5	21.7	309.7	5.8	3.8	56.3
La Brea Avenue (Hardy Street to Century Bl)	1464.2	27.2	18.1	159.2	4.8	3.2	56.3
La Brea Avenue (Market Street to Arbor Vitae St)	1624.5	30.1	20.1	287.5	5.3	3.6	64.4
Manchester Bl (Crenshaw Dr to Crenshaw Bl)	224.4	4.2	2.8	39.7	0.7	0.5	56.4
Myrtle Avenue (Arbor Vitae Street to Hardy Street)	474.1	8.8	5.9	83.9	1.6	1.0	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	474.1	8.8	5.9	83.9	1.6	1.0	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	474.1	8.8	5.9	83.9	1.6	1.0	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	474.1	8.8	5.9	83.9	1.6	1.0	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	474.1	8.8	5.9	83.9	1.6	1.0	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	474.1	8.8	5.9	83.9	1.6	1.0	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	474.1	8.8	5.9	83.9	1.6	1.0	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	474.1	8.8	5.9	83.9	1.6	1.0	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	1444.2	26.8	17.9	255.6	4.7	3.2	56.3
North La Brea Avenue (Florence Av to Manchester Bl)	1444.2	26.8	17.9	255.6	4.7	3.2	56.3
North La Brea Avenue (Florence Av to Manchester Bl)	1224.9	22.7	15.2	216.8	4.0	2.7	56.3
North La Brea Avenue (From Hyde Park to Florence Av)	216.8	4.0	2.7	38.4	0.7	0.5	40.2
North Locust Street (Florence Av to Manchester Bl)	190.3	3.5	2.4	33.7	0.6	0.4	40.2

	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT				ADT		
North Market Street (Regent St to Florence Av)	1284.5	23.8	15.9	227.4	4.2	2.8	64.4
North Prairie Avenue (Florence Ave to Regent Street)	1313.2	24.4	16.3	232.4	4.3	2.9	64.4
North Prairie Avenue (Regent Street to Manchester Boulevard)	319.0	5.9	4.0	56.5	1.1	0.7	40.2
South Doty Avenue (Century Bl to 102nd)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1136.3	21.1	14.1	201.1	3.7	2.5	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	456.1	8.5	5.6	80.7	1.5	1.0	40.2
South Market Street (Manchester Bl to Regent St)	456.1	8.5	5.6	80.7	1.5	1.0	40.2
South Market Street (Manchester Bl to Regent St)	2024.2	37.6	25.0	358.3	6.7	4.4	64.4
South Prairie Avenue (97th St to Century Bl)	1852.3	34.4	22.9	327.8	6.1	4.1	64.4
South Prairie Avenue (102nd Street to 104th Street)	1891.7	35.1	23.4	334.8	6.2	4.1	64.4
South Prairie Avenue (Arbor Vitae St to Hardy Street)	1822.4	33.8	22.6	322.6	6.0	4.0	64.4
South Prairie Avenue (Century Bl to 102nd St)	1887.2	35.0	23.4	334.0	6.2	4.1	64.4
South Prairie Avenue (From 104th St to Lennox Bl)	2024.2	37.6	25.0	358.3	6.7	4.4	64.4
South Prairie Avenue (Hardy Street to 97th Street)	1700.5	31.6	21.0	301.0	5.6	3.7	64.4
South Prairie Avenue (Manchester Bl to Pincay Dr/Kelso St)	2260.2	41.9	28.0	400.0	7.4	5.0	64.4
South Prairie Avenue (Pincay Dr/Kelso St to Arbor Vitae)							
	598.6	11.1	7.4	106.0	2.0	1.3	48.3
South Yukon Avenue (Century Bl to 102nd Street)	173.0	3.2	2.1	30.6	0.6	0.4	56.4
Spruce Av (La Brea Av to Manchester Av)	2497.0	46.3	30.9	441.9	8.2	5.5	64.4
West Century Boulevard (Club Dr to Crenshaw Bl)	2458.6	45.6	30.4	435.2	8.1	5.4	64.4
West Century Boulevard (Doty Av to HP Casino Way)	1933.2	35.9	23.9	342.2	6.4	4.2	64.4
West Century Boulevard (Freeman Av to Prairie Av)	2124.8	39.4	26.3	376.1	7.0	4.7	64.4
West Century Boulevard (From Crenshaw to Van Ness)	2381.7	44.2	29.5	421.5	7.8	5.2	64.4
West Century Boulevard (From La Brea to Myrtle)	2958.2	54.9	36.6	523.6	9.7	6.5	64.4
West Century Boulevard (From La Brea to Myrtle)	2458.6	45.6	30.4	435.2	8.1	5.4	64.4
West Century Boulevard (From La Brea to Myrtle)	2401.0	44.6	29.7	425.0	7.9	5.3	64.4
West Century Boulevard (From Prairie to Doty)	2208.0	41.0	27.3	390.8	7.3	4.8	64.4
West Century Boulevard (Grevillea Ave to La Brea Av/Hawthorne B)	2382.8	44.2	29.5	421.7	7.8	5.2	64.4
West Century Boulevard (HP Casino Way to Yukon)	2382.8	44.2	29.5	421.7	7.8	5.2	64.4
West Century Boulevard (Myrtle Av to Freeman Av)	2382.8	44.2	29.5	421.7	7.8	5.2	64.4
West Century Boulevard (Yukon to Club)	2382.8	44.2	29.5	421.7	7.8	5.2	64.4
West Century Boulevard (Yukon to Club)	1817.4	33.7	22.5	321.7	6.0	4.0	64.4
West Century Boulevard (Yukon to Club)	2139.4	39.7	26.5	378.7	7.0	4.7	64.4
West Century Boulevard (Yukon to Club)	2139.4	39.7	26.5	378.7	7.0	4.7	64.4
West Manchester Boulevard (Crenshaw Bl to Van Ness)	2139.4	39.7	26.5	378.7	7.0	4.7	64.4
West Manchester Boulevard (from Kareem Ct to Crenshaw Dr)	2139.4	39.7	26.5	378.7	7.0	4.7	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	1864.9	34.6	23.1	330.1	6.1	4.1	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	1864.9	34.6	23.1	330.1	6.1	4.1	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	310.0	5.8	3.8	54.9	1.0	0.7	56.3
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Regent Street (Grevillea Av to La Brea Av)	311.1	5.8	3.9	55.1	1.0	0.7	56.3

**APPENDIX 4.10.2-4**

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***Future (Year 2026) With and Without Project Roadway Noise Levels***

	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT	ADT	ADT	ADT	ADT	ADT	
104th Street (Grevillea Ave to Hawthorne Blvd)	486.7	9.0	6.0	86.2	1.6	1.1	64.4
104th Street (Hawthorne Bl to Prairie Av)	301.2	5.6	3.7	53.3	1.0	0.7	64.4
104th Street (Prairie Av to Doty Av)	398.9	7.4	4.9	70.6	1.3	0.9	64.4
Arbor Vitae Street (Grevillea Av to La Brea Av)	956.5	17.8	11.8	169.3	3.1	2.1	56.3
Arbor Vitae Street (La Brea Av to Myrtle to Prairie Av)	847.9	15.7	10.5	150.1	2.8	1.9	56.3
	738.4	13.7	9.1	130.8	2.4	1.6	
Centinela Avenue (Hyde Park to Florence Av)	1676.8	31.1	20.7	296.8	5.5	3.7	56.3
Centinela Avenue (Hyde Park to Florence Ave)	1676.8	31.1	20.7	296.8	5.5	3.7	56.3
Crenshaw Boulevard (80th Street to Manchester Boulevard)	1716.1	31.8	21.2	303.7	5.6	3.8	64.4
Crenshaw Boulevard (Arbor Vitae St to Hardy St)	2526.6	46.9	31.3	447.2	8.3	5.5	64.4
Crenshaw Boulevard (Century Bl to 104th)	2416.3	44.8	29.9	427.7	7.9	5.3	64.4
Crenshaw Boulevard (Century Bl to 104th)	2416.3	44.8	29.9	427.7	7.9	5.3	64.4
Crenshaw Boulevard (Century Bl to 104th)	2416.3	44.8	29.9	427.7	7.9	5.3	64.4
Crenshaw Boulevard (Pincay St to Century Bl)	2603.0	48.3	32.2	460.7	8.6	5.7	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	2603.0	48.3	32.2	460.7	8.6	5.7	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	2603.0	48.3	32.2	460.7	8.6	5.7	64.4
	2068.7	38.4	25.6	366.2	6.8	4.5	64.4
Crenshaw Boulevard (Manchester Bl to Pincay Dr/90th St)	2629.5	48.8	32.5	465.4	8.6	5.8	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2629.5	48.8	32.5	465.4	8.6	5.8	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2629.5	48.8	32.5	465.4	8.6	5.8	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2629.5	48.8	32.5	465.4	8.6	5.8	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2629.5	48.8	32.5	465.4	8.6	5.8	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2817.5	52.3	34.9	498.7	9.3	6.2	64.4
East Florence Avenue (Centinela Av to Prairie Av)	1262.7	23.4	15.6	223.5	4.2	2.8	64.4
East Florence Avenue (Fir Av to La Brea Av)	1524.4	28.3	18.9	269.8	5.0	3.3	64.4
East Florence Avenue (La Brea Av to Market St)	1872.7	34.8	23.2	331.5	6.2	4.1	64.4
East Florence Avenue (Market St to Centinela Av)	2783.5	51.7	34.4	492.7	9.1	6.1	64.4
East Florence Avenue (Prairie Av to West Blvd)	430.8	8.0	5.3	76.3	1.4	0.9	40.2
East Hardy Street (La Brea Av to Prairie Av)	1758.3	32.6	21.8	311.2	5.8	3.9	56.3
East Manchester Boulevard (Grevillea Av to La Brea Av)	2061.2	38.3	25.5	364.8	6.8	4.5	56.3
East Manchester Boulevard (Hillcrest Bl to Spruce Av)	1763.9	32.7	21.8	312.2	5.8	3.9	56.3
East Manchester Boulevard (La Brea Av to Market St)	1677.9	31.1	20.8	297.0	5.5	3.7	56.3
East Manchester Boulevard (Locust St to Hillcrest Bl)	1438.5	26.7	17.8	254.6	4.7	3.2	56.3
East Manchester Boulevard (Market St to Locust St)	2303.8	42.8	28.5	407.8	7.6	5.0	56.3
East Manchester Boulevard (Spruce Av to Prairie Av)	1103.4	20.5	13.7	195.3	3.6	2.4	64.4
East Regent Street (La Brea Av to Market St)							
	537.2	10.0	6.7	95.1	1.8	1.2	56.3
East Regent Street (Market St to Prairie Av)	3478.9	64.6	43.0	615.7	11.4	7.6	56.3
Hawthorne Boulevard (104th St to Lennox Bl)	3170.7	58.8	39.2	561.2	10.4	6.9	56.3
Hawthorne Boulevard (Century Bl to 104th St)	664.1	12.3	8.2	117.5	2.2	1.5	56.4
Hillcrest Bl (Grevillea Av to La Brea Av)	529.0	9.8	6.5	93.6	1.7	1.2	56.4
Hillcrest Blvd (La Brea Av to Market St)	649.8	12.1	8.0	115.0	2.1	1.4	56.4
Hillcrest Blvd (Market St to Nutwood St)	384.1	7.1	4.8	68.0	1.3	0.8	56.4
Hillcrest Blvd (Nutwood St to Manchester Blvd)	1627.4	30.2	20.1	288.0	5.3	3.6	72.4
Kelso St/Pincay Drive (Kareem Ct to Crenshaw Bl)	1455.9	27.0	18.0	257.7	4.8	3.2	72.4
Kelso St/Pincay Drive (Prairie Av to Kareem Ct)	423.8	7.9	5.2	75.0	1.4	0.9	64.4
Kelso St/Pincay Drive (Spruce Ave to Prairie Avenue)	1954.3	36.3	24.2	345.9	6.4	4.3	56.3
La Brea Avenue (Arbor Vitae St to Hardy St)	2177.4	40.4	26.9	385.4	7.2	4.8	56.3
La Brea Avenue (Hardy Street to Century Bl)	2018.6	37.5	25.0	357.3	6.6	4.4	56.3
La Brea Avenue (Market Street to Arbor Vitae St)	2179.5	40.4	27.0	385.8	7.2	4.8	64.4
Manchester Bl (Crenshaw Dr to Crenshaw Bl)	271.0	5.0	3.4	48.0	0.9	0.6	56.4
Myrtle Avenue (Arbor Vitae Street to Hardy Street)	599.6	11.1	7.4	106.1	1.9	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	599.6	11.1	7.4	106.1	1.9	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	599.6	11.1	7.4	106.1	1.9	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	599.6	11.1	7.4	106.1	1.9	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	599.6	11.1	7.4	106.1	1.9	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	599.6	11.1	7.4	106.1	1.9	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	599.6	11.1	7.4	106.1	1.9	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	599.6	11.1	7.4	106.1	1.9	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	1779.6	33.0	22.0	315.0	5.8	3.9	56.3
North La Brea Avenue (Florence Av to Manchester Bl)	1779.6	33.0	22.0	315.0	5.8	3.9	56.3
North La Brea Avenue (Florence Av to Manchester Bl)	1532.9	28.5	19.0	271.3	5.0	3.4	56.3
North La Brea Avenue (From Hyde Park to Florence Av)	329.4	6.1	4.1	58.3	1.1	0.7	40.2
North Locust Street (Florence Av to Manchester Bl)	264.5	4.9	3.3	46.8	0.9	0.6	40.2

	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT	ADT	ADT	ADT	ADT	ADT	
North Market Street (Regent St to Florence Av)	1518.1	28.2	18.8	268.7	5.0	3.3	64.4
North Prairie Avenue (Florence Ave to Regent Street)	1477.8	27.4	18.3	261.6	4.9	3.2	64.4
North Prairie Avenue (Regent Street to Manchester Boulevard)	597.6	11.1	7.4	105.8	2.0	1.3	40.2
South Doty Avenue (Century Bl to 102nd)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1483.2	27.5	18.4	262.5	4.9	3.3	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	547.6	10.2	6.8	96.9	1.8	1.2	40.2
South Market Street (Manchester Bl to Regent St)	547.6	10.2	6.8	96.9	1.8	1.2	40.2
South Market Street (Manchester Bl to Regent St)	2751.5	51.1	34.0	487.0	9.0	6.0	64.4
South Prairie Avenue (97th St to Century Bl)	2552.4	47.4	31.6	451.8	8.4	5.6	64.4
South Prairie Avenue (102nd Street to 104th Street)	2244.9	41.7	27.8	397.3	7.4	4.9	64.4
South Prairie Avenue (Arbor Vitae St to Hardy Street)	2475.9	45.9	30.6	438.2	8.1	5.4	64.4
South Prairie Avenue (Century Bl to 102nd St)	2556.7	57.4	31.6	452.5	8.4	5.6	64.4
South Prairie Avenue (From 104th St to Lennox Bl)	2751.5	51.1	34.0	487.0	9.0	6.0	64.4
South Prairie Avenue (Hardy Street to 97th Street)	2295.5	42.6	28.4	406.3	7.5	5.0	64.4
South Prairie Avenue (Manchester Bl to Pincay Dr/Kelso St)	2489.3	46.2	30.8	440.6	8.2	5.5	64.4
South Prairie Avenue (Pincay Dr/Kelso St to Arbor Vitae)							
	693.3	12.9	8.6	122.7	2.3	1.5	48.3
South Yukon Avenue (Century Bl to 102nd Street)	476.6	8.8	5.9	84.4	1.6	1.0	56.4
Spruce Av (La Brea Av to Manchester Av)	3259.4	60.5	40.3	576.9	10.7	7.1	64.4
West Century Boulevard (Club Dr to Crenshaw Bl)	3355.1	62.3	41.5	593.8	11.0	7.4	64.4
West Century Boulevard (Doty Av to HP Casino Way)	2871.1	53.3	35.5	508.2	9.4	6.3	64.4
West Century Boulevard (Freeman Av to Prairie Av)	2704.4	50.2	33.5	478.7	8.9	5.9	64.4
West Century Boulevard (From Crenshaw to Van Ness)	3385.3	62.8	41.9	599.2	11.1	7.4	64.4
West Century Boulevard (From La Brea to Myrtle)	4013.4	74.5	49.7	710.3	13.2	8.8	64.4
West Century Boulevard (From La Brea to Myrtle)	3369.4	62.5	41.7	596.4	11.1	7.4	64.4
West Century Boulevard (From La Brea to Myrtle)	3307.9	61.4	40.9	585.5	10.9	7.2	64.4
West Century Boulevard (From Prairie to Doty)	3145.2	58.4	38.9	556.7	10.3	6.9	64.4
West Century Boulevard (Grevillea Ave to La Brea Av/Hawthorne B)	3160.1	58.6	39.1	559.3	10.4	6.9	64.4
West Century Boulevard (HP Casino Way to Yukon)	3160.1	58.6	39.1	559.3	10.4	6.9	64.4
West Century Boulevard (Myrtle Av to Freeman Av)	3160.1	58.6	39.1	559.3	10.4	6.9	64.4
West Century Boulevard (Yukon to Club)	3160.1	58.6	39.1	559.3	10.4	6.9	64.4
West Century Boulevard (Yukon to Club)	2342.6	43.5	29.0	414.6	7.7	5.1	64.4
West Century Boulevard (Yukon to Club)	2915.6	54.1	36.1	516.0	9.6	6.4	64.4
West Century Boulevard (Yukon to Club)	2915.6	54.1	36.1	516.0	9.6	6.4	64.4
West Century Boulevard (Yukon to Club)	2915.6	54.1	36.1	516.0	9.6	6.4	64.4
West Manchester Boulevard (Crenshaw Bl to Van Ness)	2915.6	54.1	36.1	516.0	9.6	6.4	64.4
West Manchester Boulevard (from Kareem Ct to Crenshaw Dr)	2915.6	54.1	36.1	516.0	9.6	6.4	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	2349.3	43.6	29.1	415.8	7.7	5.2	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	2349.3	43.6	29.1	415.8	7.7	5.2	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	437.9	8.1	5.4	77.5	1.4	1.0	56.3
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Regent Street (Grevillea Av to La Brea Av)	311.1	5.8	3.9	55.1	1.0	0.7	56.3

	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT	ADT	ADT	ADT	ADT	ADT	
104th Street (Grevillea Ave to Hawthorne Blvd)	486.6	9.0	6.0	86.1	1.6	1.1	64.4
104th Street (Hawthorne Bl to Prairie Av)	300.5	5.6	3.7	53.2	1.0	0.7	64.4
104th Street (Prairie Av to Doty Av)	396.4	7.4	4.9	70.2	1.3	0.9	64.4
Arbor Vitae Street (Grevillea Av to La Brea Av)	941.9	17.5	11.7	166.7	3.1	2.1	56.3
Arbor Vitae Street (La Brea Av to Myrtle to Prairie Av)	827.1	15.4	10.2	146.4	2.7	1.8	56.3
	723.7	13.4	9.0	128.1	2.4	1.6	
Centinela Avenue (Hyde Park to Florence Av)	1666.1	30.9	20.6	294.9	5.5	3.7	56.3
Centinela Avenue (Hyde Park to Florence Ave)	1666.1	30.9	20.6	294.9	5.5	3.7	56.3
Crenshaw Boulevard (80th Street to Manchester Boulevard)	1702.6	31.6	21.1	301.3	5.6	3.7	64.4
Crenshaw Boulevard (Arbor Vitae St to Hardy St)	2482.5	46.1	30.7	439.4	8.2	5.4	64.4
Crenshaw Boulevard (Century Bl to 104th)	2366.9	43.9	29.3	418.9	7.8	5.2	64.4
Crenshaw Boulevard (Century Bl to 104th)	2366.9	43.9	29.3	418.9	7.8	5.2	64.4
Crenshaw Boulevard (Century Bl to 104th)	2366.9	43.9	29.3	418.9	7.8	5.2	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	2557.9	47.5	31.6	452.7	8.4	5.6	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	2557.9	47.5	31.6	452.7	8.4	5.6	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	2557.9	47.5	31.6	452.7	8.4	5.6	64.4
	2043.4	37.9	25.3	361.7	6.7	4.5	64.4
Crenshaw Boulevard (Manchester Bl to Pincay Dr/90th St)	2584.3	48.0	32.0	457.4	8.5	5.7	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2584.3	48.0	32.0	457.4	8.5	5.7	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2584.3	48.0	32.0	457.4	8.5	5.7	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2584.3	48.0	32.0	457.4	8.5	5.7	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2584.3	48.0	32.0	457.4	8.5	5.7	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2789.5	51.8	34.5	493.7	9.2	6.1	64.4
East Florence Avenue (Centinela Av to Prairie Av)	1253.2	23.3	15.5	221.8	4.1	2.7	64.4
East Florence Avenue (Fir Av to La Brea Av)	1514.0	28.1	18.7	268.0	5.0	3.3	64.4
East Florence Avenue (La Brea Av to Market St)	1850.9	34.4	22.9	327.6	6.1	4.1	64.4
East Florence Avenue (Market St to Centinela Av)	2772.4	51.5	34.3	490.8	9.1	6.1	64.4
East Florence Avenue (Prairie Av to West Blvd)	418.9	7.8	5.2	74.1	1.4	0.9	40.2
East Hardy Street (La Brea Av to Prairie Av)	1722.4	32.0	21.3	304.9	5.7	3.8	56.3
East Manchester Boulevard (Grevillea Av to La Brea Av)	2023.4	37.6	25.0	358.1	6.7	4.4	56.3
East Manchester Boulevard (Hillcrest Bl to Spruce Av)	1728.0	32.1	21.4	305.9	5.7	3.8	56.3
East Manchester Boulevard (La Brea Av to Market St)	1647.0	30.6	20.4	291.5	5.4	3.6	56.3
East Manchester Boulevard (Locust St to Hillcrest Bl)	1408.8	26.1	17.4	249.3	4.6	3.1	56.3
East Manchester Boulevard (Market St to Locust St)	2262.3	42.0	28.0	400.4	7.4	5.0	56.3
East Manchester Boulevard (Spruce Av to Prairie Av)	1092.2	20.3	13.5	193.3	3.6	2.4	64.4
East Regent Street (La Brea Av to Market St)	534.0	9.9	6.6	94.5	1.8	1.2	
	3459.8	64.2	42.8	612.4	11.4	7.6	56.3
East Regent Street (Market St to Prairie Av)	3151.5	58.5	39.0	557.8	10.4	6.9	56.3
Hawthorne Boulevard (104th St to Lennox Bl)	660.1	12.3	8.2	116.8	2.2	1.5	56.3
Hawthorne Boulevard (Century Bl to 104th St)	526.3	9.8	6.5	93.2	1.7	1.2	56.4
Hillcrest Bl (Grevillea Av to La Brea Av)	644.6	12.0	8.0	114.1	2.1	1.4	56.4
Hillcrest Blvd (La Brea Av to Market St)	384.0	7.1	4.8	68.0	1.3	0.8	56.4
Hillcrest Blvd (Market St to Nutwood St)	1573.8	29.2	19.5	278.5	5.2	3.5	56.4
Hillcrest Blvd (Nutwood St to Manchester Blvd)	1429.3	26.5	17.7	253.0	4.7	3.1	72.4
Kelso St/Pincay Drive (Kareem Ct to Crenshaw Bl)	417.8	7.8	5.2	74.0	1.4	0.9	72.4
Kelso St/Pincay Drive (Prairie Av to Kareem Ct)	1941.2	36.0	24.0	343.6	6.4	4.3	64.4
Kelso St/Pincay Drive (Spruce Ave to Prairie Avenue)	2161.3	40.1	26.7	382.5	7.1	4.7	56.3
La Brea Avenue (Arbor Vitae St to Hardy St)	2003.2	37.2	24.8	354.6	6.6	4.4	56.3
La Brea Avenue (Hardy Street to Century Bl)	2148.9	39.9	26.6	380.3	7.1	4.7	56.3
La Brea Avenue (Market Street to Arbor Vitae St)	264.9	4.9	3.3	46.9	0.9	0.6	64.4
Manchester Bl (Crenshaw Dr to Crenshaw Bl)	593.5	11.0	7.3	105.1	2.0	1.3	56.4
Myrtle Avenue (Arbor Vitae Street to Hardy Street)	593.5	11.0	7.3	105.1	2.0	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	593.5	11.0	7.3	105.1	2.0	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	593.5	11.0	7.3	105.1	2.0	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	593.5	11.0	7.3	105.1	2.0	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	593.5	11.0	7.3	105.1	2.0	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	593.5	11.0	7.3	105.1	2.0	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	593.5	11.0	7.3	105.1	2.0	1.3	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	1769.6	32.8	21.9	313.2	5.8	3.9	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	1769.6	32.8	21.9	313.2	5.8	3.9	56.3
North La Brea Avenue (Florence Av to Manchester Bl)	1524.1	28.3	18.9	269.8	5.0	3.3	56.3
North La Brea Avenue (Florence Av to Manchester Bl)	323.9	6.0	4.0	57.3	1.1	0.7	56.3
North La Brea Avenue (From Hyde Park to Florence Av)	263.5	4.9	3.3	46.6	0.9	0.6	40.2
North Locust Street (Florence Av to Manchester Bl)	1486.1	27.6	18.4	263.0	4.9	3.3	40.2



	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT				ADT		
North Market Street (Regent St to Florence Av)	1445.2	26.8	17.9	255.8	4.8	3.2	64.4
North Prairie Avenue (Florence Ave to Regent Street)	578.6	10.7	7.2	102.4	1.9	1.3	64.4
North Prairie Avenue (Regent Street to Manchester Boulevard)	1476.7	27.4	18.3	261.4	4.9	3.2	40.2
South Doty Avenue (Century Bl to 102nd)	1476.7	27.4	18.3	261.4	4.9	3.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1476.7	27.4	18.3	261.4	4.9	3.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1476.7	27.4	18.3	261.4	4.9	3.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1476.7	27.4	18.3	261.4	4.9	3.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1476.7	27.4	18.3	261.4	4.9	3.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1476.7	27.4	18.3	261.4	4.9	3.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1476.7	27.4	18.3	261.4	4.9	3.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1476.7	27.4	18.3	261.4	4.9	3.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1476.7	27.4	18.3	261.4	4.9	3.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1476.7	27.4	18.3	261.4	4.9	3.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1476.7	27.4	18.3	261.4	4.9	3.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	540.7	10.0	6.7	95.7	1.8	1.2	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	540.7	10.0	6.7	95.7	1.8	1.2	40.2
South Market Street (Manchester Bl to Regent St)	2669.2	49.5	33.0	472.4	8.8	5.8	40.2
South Market Street (Manchester Bl to Regent St)	2466.8	45.8	30.5	436.6	8.1	5.4	64.4
South Prairie Avenue (97th St to Century Bl)	2473.3	45.9	30.6	437.8	8.1	5.4	64.4
South Prairie Avenue (102nd Street to 104th Street)	2185.5	40.6	27.0	386.8	7.2	4.8	64.4
South Prairie Avenue (Arbor Vitae St to Hardy Street)	2398.3	44.5	29.7	424.5	7.9	5.3	64.4
South Prairie Avenue (Century Bl to 102nd St)	2669.1	49.5	33.0	472.4	8.8	5.8	64.4
South Prairie Avenue (From 104th St to Lennox Bl)	2234.4	41.5	27.6	395.5	7.3	4.9	64.4
South Prairie Avenue (Hardy Street to 97th Street)	2435.5	45.2	30.1	431.1	8.0	5.3	64.4
South Prairie Avenue (Manchester Bl to Pincay Dr/Kelso St)							64.4
South Prairie Avenue (Pincay Dr/Kelso St to Arbor Vitae)	677.6	12.6	8.4	119.9	2.2	1.5	
	466.4	8.7	5.8	82.6	1.5	1.0	48.3
South Yukon Avenue (Century Bl to 102nd Street)	3192.0	59.2	39.5	564.8	10.5	7.0	56.4
Spruce Av (La Brea Av to Manchester Av)	3287.4	61.0	40.7	581.8	10.8	7.2	64.4
West Century Boulevard (Club Dr to Crenshaw Bl)	2808.1	52.1	34.7	497.0	9.2	6.2	64.4
West Century Boulevard (Doty Av to HP Casino Way)	2663.0	49.4	32.9	471.3	8.8	5.8	64.4
West Century Boulevard (Freeman Av to Prairie Av)	3318.5	61.6	41.1	587.3	10.9	7.3	64.4
West Century Boulevard (From Crenshaw to Van Ness)	3956.0	73.4	48.9	700.2	13.0	8.7	64.4
West Century Boulevard (From La Brea to Myrtle)	3301.3	61.3	40.8	584.3	10.8	7.2	64.4
West Century Boulevard (From La Brea to Myrtle)	3243.8	60.2	40.1	574.1	10.7	7.1	64.4
West Century Boulevard (From La Brea to Myrtle)	3081.8	57.2	38.1	545.5	10.1	6.8	64.4
West Century Boulevard (From Prairie to Doty)	3094.6	57.4	38.3	547.7	10.2	6.8	64.4
West Century Boulevard (Grevillea Ave to La Brea Av/Hawthorne B)	3094.6	57.4	38.3	547.7	10.2	6.8	64.4
West Century Boulevard (HP Casino Way to Yukon)	3094.6	57.4	38.3	547.7	10.2	6.8	64.4
West Century Boulevard (Myrtle Av to Freeman Av)	3094.6	57.4	38.3	547.7	10.2	6.8	64.4
West Century Boulevard (Yukon to Club)	2311.1	42.9	28.6	409.1	7.6	5.1	64.4
West Century Boulevard (Yukon to Club)	2871.4	53.3	35.5	508.2	9.4	6.3	64.4
West Century Boulevard (Yukon to Club)	2871.4	53.3	35.5	508.2	9.4	6.3	64.4
West Century Boulevard (Yukon to Club)	2871.4	53.3	35.5	508.2	9.4	6.3	64.4
West Manchester Boulevard (Crenshaw Bl to Van Ness)	2871.4	53.3	35.5	508.2	9.4	6.3	64.4
West Manchester Boulevard (from Kareem Ct to Crenshaw Dr)	2324.2	43.1	28.8	411.4	7.6	5.1	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	2324.2	43.1	28.8	411.4	7.6	5.1	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	435.6	8.1	5.4	77.1	1.4	1.0	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	437.9	8.1	5.4	77.5	1.4	1.0	56.3
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Regent Street (Grevillea Av to La Brea Av)	311.1	5.8	3.9	55.1	1.0	0.7	56.3

**APPENDIX 4.10.2-5**

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***Future (Year 2045) With and Without Project Roadway Noise Levels***

	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT	ADT	ADT	ADT	ADT	ADT	
104th Street (Grevillea Ave to Hawthorne Blvd)	608.0	11.3	7.5	107.6	2.0	1.3	64.4
104th Street (Hawthorne Bl to Prairie Av)	379.7	7.1	4.7	67.2	1.3	0.8	64.4
104th Street (Prairie Av to Doty Av)	476.2	8.8	5.9	84.3	1.6	1.0	64.4
Arbor Vitae Street (Grevillea Av to La Brea Av)	1124.6	20.9	13.9	199.1	3.7	2.5	56.3
Arbor Vitae Street (La Brea Av to Myrtle to Prairie Av)	956.4	17.8	11.8	169.3	3.1	2.1	56.3
	836.2	15.5	10.3	148.0	2.8	1.8	
Centinela Avenue (Hyde Park to Florence Av)	1895.5	35.2	23.5	335.5	6.2	4.2	56.3
Centinela Avenue (Hyde Park to Florence Ave)	1895.5	35.2	23.5	335.5	6.2	4.2	56.3
Crenshaw Boulevard (80th Street to Manchester Boulevard)	1962.5	36.4	24.3	347.4	6.5	4.3	64.4
Crenshaw Boulevard (Arbor Vitae St to Hardy St)	2874.3	53.3	35.6	508.7	9.4	6.3	64.4
Crenshaw Boulevard (Century Bl to 104th)	2740.0	50.8	33.9	485.0	9.0	6.0	64.4
Crenshaw Boulevard (Century Bl to 104th)	2740.0	50.8	33.9	485.0	9.0	6.0	64.4
Crenshaw Boulevard (Century Bl to 104th)	2740.0	50.8	33.9	485.0	9.0	6.0	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	2949.4	54.7	36.5	522.0	9.7	6.5	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	2949.4	54.7	36.5	522.0	9.7	6.5	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	2949.4	54.7	36.5	522.0	9.7	6.5	64.4
	2334.7	43.3	28.9	413.2	7.7	5.1	64.4
Crenshaw Boulevard (Manchester Bl to Pincay Dr/90th St)	3029.2	56.2	37.5	536.1	10.0	6.6	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	3029.2	56.2	37.5	536.1	10.0	6.6	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	3029.2	56.2	37.5	536.1	10.0	6.6	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	3029.2	56.2	37.5	536.1	10.0	6.6	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	3029.2	56.2	37.5	536.1	10.0	6.6	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	3224.6	59.8	39.9	570.7	10.6	7.1	64.4
East Florence Avenue (Centinela Av to Prairie Av)	1538.8	28.6	19.0	272.3	5.1	3.4	64.4
East Florence Avenue (Fir Av to La Brea Av)	1827.5	33.9	22.6	323.5	6.0	4.0	64.4
East Florence Avenue (La Brea Av to Market St)	2220.7	41.2	27.5	393.1	7.3	4.9	64.4
East Florence Avenue (Market St to Centinela Av)	3228.3	59.9	39.9	571.4	10.6	7.1	64.4
East Florence Avenue (Prairie Av to West Blvd)	487.0	9.0	6.0	86.2	1.6	1.1	40.2
East Hardy Street (La Brea Av to Prairie Av)	1925.1	35.7	23.8	340.7	6.3	4.2	56.3
East Manchester Boulevard (Grevillea Av to La Brea Av)	2332.2	43.3	28.9	412.8	7.7	5.1	56.3
East Manchester Boulevard (Hillcrest Bl to Spruce Av)	1915.8	35.6	23.7	339.1	6.3	4.2	56.3
East Manchester Boulevard (La Brea Av to Market St)	1844.4	34.2	22.8	326.5	6.1	4.0	56.3
East Manchester Boulevard (Locust St to Hillcrest Bl)	1558.7	28.9	19.3	275.9	5.1	3.4	56.3
East Manchester Boulevard (Market St to Locust St)	2593.8	48.1	32.1	459.1	8.5	5.7	56.3
East Manchester Boulevard (Spruce Av to Prairie Av)	1311.8	24.3	16.2	232.2	4.3	2.9	64.4
East Regent Street (La Brea Av to Market St)	633.5	11.8	7.8	112.1	2.1	1.4	
	4182.4	77.6	51.7	740.2	13.7	9.2	56.3
East Regent Street (Market St to Prairie Av)	3805.6	70.6	47.1	673.6	12.5	8.3	56.3
Hawthorne Boulevard (104th St to Lennox Bl)	819.2	15.2	10.1	145.0	2.7	1.8	56.3
Hawthorne Boulevard (Century Bl to 104th St)	630.4	11.7	7.8	111.6	2.1	1.4	56.4
Hillcrest Bl (Grevillea Av to La Brea Av)	766.7	14.2	9.5	135.7	2.5	1.7	56.4
Hillcrest Blvd (La Brea Av to Market St)	448.0	8.3	5.5	79.3	1.5	1.0	56.4
Hillcrest Blvd (Market St to Nutwood St)	1881.4	34.9	23.3	333.0	6.2	4.1	56.4
Hillcrest Blvd (Nutwood St to Manchester Blvd)	1667.4	30.9	20.6	295.1	5.5	3.7	72.4
Kelso St/Pincay Drive (Kareem Ct to Crenshaw Bl)	512.3	9.5	6.3	90.7	1.7	1.2	72.4
Kelso St/Pincay Drive (Prairie Av to Kareem Ct)	2300.5	42.7	28.5	407.2	7.6	5.0	64.4
Kelso St/Pincay Drive (Spruce Ave to Prairie Avenue)	2603.0	48.3	32.2	460.7	8.6	5.7	56.3
La Brea Avenue (Arbor Vitae St to Hardy St)	2324.7	43.1	28.8	411.5	7.6	5.1	56.3
La Brea Avenue (Hardy Street to Century Bl)	2515.1	46.7	31.1	445.2	8.3	5.5	56.3
La Brea Avenue (Market Street to Arbor Vitae St)	356.5	6.6	4.4	63.1	1.2	0.8	64.4
Manchester Bl (Crenshaw Dr to Crenshaw Bl)	684.9	12.7	8.5	121.2	2.3	1.5	56.4
Myrtle Avenue (Arbor Vitae Street to Hardy Street)							56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	684.9	12.7	8.5	121.2	2.3	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	684.9	12.7	8.5	121.2	2.3	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	684.9	12.7	8.5	121.2	2.3	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	684.9	12.7	8.5	121.2	2.3	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	684.9	12.7	8.5	121.2	2.3	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	684.9	12.7	8.5	121.2	2.3	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	684.9	12.7	8.5	121.2	2.3	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	1983.2	36.8	24.5	351.0	6.5	4.3	56.3
North La Brea Avenue (Florence Av to Manchester Bl)	1983.2	36.8	24.5	351.0	6.5	4.3	56.3
North La Brea Avenue (Florence Av to Manchester Bl)	1745.6	32.4	21.6	309.0	5.7	3.8	56.3
North La Brea Avenue (From Hyde Park to Florence Av)	385.4	7.2	4.8	68.2	1.3	0.8	40.2
North Locust Street (Florence Av to Manchester Bl)	330.3	6.1	4.1	58.5	1.1	0.7	40.2

	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT	ADT	ADT	ADT	ADT	ADT	
North Market Street (Regent St to Florence Av)	1707.2	31.7	21.1	302.2	5.6	3.7	64.4
North Prairie Avenue (Florence Ave to Regent Street)	1583.7	29.4	19.6	280.3	5.2	3.5	64.4
North Prairie Avenue (Regent Street to Manchester Boulevard)	642.4	11.9	8.0	113.7	2.1	1.4	40.2
South Doty Avenue (Century Bl to 102nd)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1699.3	31.5	21.0	300.8	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	624.9	11.6	7.7	110.6	2.1	1.4	40.2
South Market Street (Manchester Bl to Regent St)	624.9	11.6	7.7	110.6	2.1	1.4	40.2
South Market Street (Manchester Bl to Regent St)	3044.2	56.5	37.7	538.8	10.0	6.7	64.4
South Prairie Avenue (97th St to Century Bl)	2893.8	53.7	35.8	512.2	9.5	6.3	64.4
South Prairie Avenue (102nd Street to 104th Street)	2603.4	48.3	32.2	460.8	8.6	5.7	64.4
South Prairie Avenue (Arbor Vitae St to Hardy Street)	2803.7	52.0	34.7	496.2	9.2	6.1	64.4
South Prairie Avenue (Century Bl to 102nd St)	2862.3	53.1	35.4	506.6	9.4	6.3	64.4
South Prairie Avenue (From 104th St to Lennox Bl)	3044.2	56.5	37.7	538.8	10.0	6.7	64.4
South Prairie Avenue (Hardy Street to 97th Street)	2635.8	48.9	32.6	466.5	8.7	5.8	64.4
South Prairie Avenue (Manchester Bl to Pincay Dr/Kelso St)	2784.7	51.7	34.5	492.9	9.2	6.1	64.4
South Prairie Avenue (Pincay Dr/Kelso St to Arbor Vitae)							
	749.6	13.9	9.3	132.7	2.5	1.6	48.3
South Yukon Avenue (Century Bl to 102nd Street)	558.3	10.4	6.9	98.8	1.8	1.2	56.4
Spruce Av (La Brea Av to Manchester Av)	3744.3	69.5	46.3	662.7	12.3	8.2	64.4
West Century Boulevard (Club Dr to Crenshaw Bl)	3851.0	71.5	47.6	681.6	12.7	8.4	64.4
West Century Boulevard (Doty Av to HP Casino Way)	3409.4	63.3	42.2	603.4	11.2	7.5	64.4
West Century Boulevard (Freeman Av to Prairie Av)	3158.0	58.6	39.1	558.9	10.4	6.9	64.4
West Century Boulevard (From Crenshaw to Van Ness)	4821.9	89.5	59.7	853.4	15.8	10.6	64.4
West Century Boulevard (From La Brea to Myrtle)	3853.4	71.5	47.7	682.0	12.7	8.4	64.4
West Century Boulevard (From La Brea to Myrtle)	3883.4	72.1	48.0	687.3	12.8	8.5	64.4
West Century Boulevard (From La Brea to Myrtle)	3751.4	69.6	46.4	664.0	12.3	8.2	64.4
West Century Boulevard (From Prairie to Doty)	3934.0	73.0	48.7	696.3	12.9	8.6	64.4
West Century Boulevard (Grevillea Ave to La Brea Av/Hawthorne B)	3622.9	67.2	44.8	641.2	11.9	7.9	64.4
West Century Boulevard (HP Casino Way to Yukon)	3622.9	67.2	44.8	641.2	11.9	7.9	64.4
West Century Boulevard (Myrtle Av to Freeman Av)	3622.9	67.2	44.8	641.2	11.9	7.9	64.4
West Century Boulevard (Yukon to Club)	3622.9	67.2	44.8	641.2	11.9	7.9	64.4
West Century Boulevard (Yukon to Club)	2653.7	49.2	32.8	469.7	8.7	5.8	64.4
West Century Boulevard (Yukon to Club)	3395.9	63.0	42.0	601.0	11.2	7.4	64.4
West Century Boulevard (Yukon to Club)	3395.9	63.0	42.0	601.0	11.2	7.4	64.4
West Manchester Boulevard (Crenshaw Bl to Van Ness)	3395.9	63.0	42.0	601.0	11.2	7.4	64.4
West Manchester Boulevard (from Kareem Ct to Crenshaw Dr)	3395.9	63.0	42.0	601.0	11.2	7.4	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	2675.0	49.6	33.1	473.4	8.8	5.9	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	2675.0	49.6	33.1	473.4	8.8	5.9	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	549.7	10.2	6.8	97.3	1.8	1.2	56.3
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Regent Street (Grevillea Av to La Brea Av)	311.1	5.8	3.9	55.1	1.0	0.7	56.3

	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT	ADT	ADT	ADT	ADT	ADT	
104th Street (Grevillea Ave to Hawthorne Blvd)	607.7	11.3	7.5	107.6	2.0	1.3	64.4
104th Street (Hawthorne Bl to Prairie Av)	378.6	7.0	4.7	67.0	1.2	0.8	64.4
104th Street (Prairie Av to Doty Av)	473.1	8.8	5.9	83.7	1.6	1.0	64.4
Arbor Vitae Street (Grevillea Av to La Brea Av)	1109.7	20.6	13.7	196.4	3.6	2.4	56.3
Arbor Vitae Street (La Brea Av to Myrtle to Prairie Av)	933.7	17.3	11.6	165.3	3.1	2.0	56.3
	819.4	15.2	10.1	145.0	2.7	1.8	
Centinela Avenue (Hyde Park to Florence Av)	1881.4	34.9	23.3	333.0	6.2	4.1	56.3
Centinela Avenue (Hyde Park to Florence Ave)	1881.4	34.9	23.3	333.0	6.2	4.1	56.3
Crenshaw Boulevard (80th Street to Manchester Boulevard)	1945.3	36.1	24.1	344.3	6.4	4.3	64.4
Crenshaw Boulevard (Arbor Vitae St to Hardy St)	2816.5	52.3	34.8	498.5	9.3	6.2	64.4
Crenshaw Boulevard (Century Bl to 104th)	2674.9	49.6	33.1	473.4	8.8	5.9	64.4
Crenshaw Boulevard (Century Bl to 104th)	2674.9	49.6	33.1	473.4	8.8	5.9	64.4
Crenshaw Boulevard (Century Bl to 104th)	2674.9	49.6	33.1	473.4	8.8	5.9	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	2891.3	53.7	35.8	511.7	9.5	6.3	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	2891.3	53.7	35.8	511.7	9.5	6.3	64.4
Crenshaw Boulevard (Hardy St to Century Bl)	2891.3	53.7	35.8	511.7	9.5	6.3	64.4
	2302.3	42.7	28.5	407.5	7.6	5.0	64.4
Crenshaw Boulevard (Manchester Bl to Pincay Dr/90th St)	2968.6	55.9	36.7	525.4	9.8	6.5	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2968.6	55.9	36.7	525.4	9.8	6.5	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2968.6	55.9	36.7	525.4	9.8	6.5	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2968.6	55.9	36.7	525.4	9.8	6.5	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	2968.6	55.9	36.7	525.4	9.8	6.5	64.4
Crenshaw Boulevard (Pincay Dr/90th St to Arbor Vitae St)	3191.7	59.2	39.5	564.9	10.5	7.0	64.4
East Florence Avenue (Centinela Av to Prairie Av)	1526.1	28.3	18.9	270.1	5.0	3.3	64.4
East Florence Avenue (Fir Av to La Brea Av)	1813.5	33.7	22.4	321.0	6.0	4.0	64.4
East Florence Avenue (La Brea Av to Market St)	2195.0	40.7	27.2	388.5	7.2	4.8	64.4
East Florence Avenue (Market St to Centinela Av)	3228.3	59.9	39.9	571.4	10.6	7.1	64.4
East Florence Avenue (Prairie Av to West Blvd)	473.6	8.8	5.9	83.8	1.6	1.0	40.2
East Hardy Street (La Brea Av to Prairie Av)	1877.8	34.9	23.2	332.4	6.2	4.1	56.3
East Manchester Boulevard (Grevillea Av to La Brea Av)	2282.4	42.4	28.2	404.0	7.5	5.0	56.3
East Manchester Boulevard (Hillcrest Bl to Spruce Av)	1868.4	34.7	23.1	330.7	6.1	4.1	56.3
East Manchester Boulevard (La Brea Av to Market St)	1803.0	33.5	22.3	319.1	5.9	4.0	56.3
East Manchester Boulevard (Locust St to Hillcrest Bl)	1518.8	28.2	18.8	268.8	5.0	3.3	56.3
East Manchester Boulevard (Market St to Locust St)	2540.7	47.2	31.4	449.7	8.3	5.6	56.3
East Manchester Boulevard (Spruce Av to Prairie Av)	1299.1	24.1	16.1	229.9	4.3	2.8	64.4
East Regent Street (La Brea Av to Market St)	629.7	11.7	7.8	111.4	2.1	1.4	
	4160.9	77.2	51.5	736.4	13.7	9.1	56.3
East Regent Street (Market St to Prairie Av)	3784.0	70.2	46.8	669.7	12.4	8.3	56.3
Hawthorne Boulevard (104th St to Lennox Bl)	813.5	15.1	10.1	144.0	2.7	1.8	56.3
Hawthorne Boulevard (Century Bl to 104th St)	626.7	11.6	7.8	110.9	2.1	1.4	56.4
Hillcrest Bl (Grevillea Av to La Brea Av)	759.8	14.1	9.4	134.5	2.5	1.7	56.4
Hillcrest Blvd (La Brea Av to Market St)	447.9	8.3	5.5	79.3	1.5	1.0	56.4
Hillcrest Blvd (Market St to Nutwood St)	1808.4	33.6	22.4	320.1	5.9	4.0	56.4
Hillcrest Blvd (Nutwood St to Manchester Blvd)	1631.3	30.3	20.2	288.7	5.4	3.6	72.4
Kelso St/Pincay Drive (Kareem Ct to Crenshaw Bl)	504.0	9.4	6.2	89.2	1.7	1.1	72.4
Kelso St/Pincay Drive (Prairie Av to Kareem Ct)	2283.8	42.4	28.3	404.2	7.5	5.0	64.4
Kelso St/Pincay Drive (Spruce Ave to Prairie Avenue)	2582.4	47.9	32.0	457.1	8.5	5.7	56.3
La Brea Avenue (Arbor Vitae St to Hardy St)	2306.6	42.8	28.5	408.3	7.6	5.1	56.3
La Brea Avenue (Hardy Street to Century Bl)	2475.1	45.9	30.6	438.1	8.1	5.4	56.3
La Brea Avenue (Market Street to Arbor Vitae St)	347.8	6.5	4.3	61.6	1.1	0.8	64.4
Manchester Bl (Crenshaw Dr to Crenshaw Bl)	677.3	12.6	8.4	119.9	2.2	1.5	56.4
Myrtle Avenue (Arbor Vitae Street to Hardy Street)							56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	677.3	12.6	8.4	119.9	2.2	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	677.3	12.6	8.4	119.9	2.2	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	677.3	12.6	8.4	119.9	2.2	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	677.3	12.6	8.4	119.9	2.2	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	677.3	12.6	8.4	119.9	2.2	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	677.3	12.6	8.4	119.9	2.2	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	677.3	12.6	8.4	119.9	2.2	1.5	56.4
North Hillcrest Boulevard (Manchester Bl to Florence Av)	1971.6	36.6	24.4	349.0	6.5	4.3	56.3
North La Brea Avenue (Florence Av to Manchester Bl)	1971.6	36.6	24.4	349.0	6.5	4.3	56.3
North La Brea Avenue (Florence Av to Manchester Bl)	1735.7	32.2	21.5	307.2	5.7	3.8	56.3
North La Brea Avenue (From Hyde Park to Florence Av)	378.1	7.0	4.7	66.9	1.2	0.8	40.2
North Locust Street (Florence Av to Manchester Bl)	329.0	6.1	4.1	58.2	1.1	0.7	40.2

	Daytime	MT	HT	Nighttime	MT	HT	Speed (km/h)
	ADT	ADT	ADT	ADT	ADT	ADT	
North Market Street (Regent St to Florence Av)	1670.6	31.0	20.7	295.7	5.5	3.7	64.4
North Prairie Avenue (Florence Ave to Regent Street)	1546.4	28.7	19.1	273.7	5.1	3.4	64.4
North Prairie Avenue (Regent Street to Manchester Boulevard)	621.6	11.5	7.7	110.0	2.0	1.4	40.2
South Doty Avenue (Century Bl to 102nd)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	1691.4	31.4	20.9	299.4	5.6	3.7	56.3
South La Brea Avenue (Manchester Bl to Spruce Ave/Market St)	617.0	11.5	7.6	109.2	2.0	1.4	40.2
South Market Street (Manchester Bl to Regent St)	617.0	11.5	7.6	109.2	2.0	1.4	40.2
South Market Street (Manchester Bl to Regent St)	2943.5	54.6	36.4	521.0	9.7	6.4	64.4
South Prairie Avenue (97th St to Century Bl)	2783.6	51.7	34.4	492.7	9.1	6.1	64.4
South Prairie Avenue (102nd Street to 104th Street)	2529.5	46.9	31.3	447.7	8.3	5.5	64.4
South Prairie Avenue (Arbor Vitae St to Hardy Street)	2704.8	50.2	33.5	478.7	8.9	5.9	64.4
South Prairie Avenue (Century Bl to 102nd St)	2755.4	51.1	34.1	487.7	9.1	6.0	64.4
South Prairie Avenue (From 104th St to Lennox Bl)	2943.5	54.6	36.4	521.0	9.7	6.4	64.4
South Prairie Avenue (Hardy Street to 97th Street)	2560.3	47.5	31.7	453.2	8.4	5.6	64.4
South Prairie Avenue (Manchester Bl to Pincay Dr/Kelso St)	2721.3	50.5	33.7	481.7	8.9	6.0	64.4
South Prairie Avenue (Pincay Dr/Kelso St to Arbor Vitae)							
	732.5	13.6	9.1	129.6	2.4	1.6	48.3
South Yukon Avenue (Century Bl to 102nd Street)	546.5	10.1	6.8	96.7	1.8	1.2	56.4
Spruce Av (La Brea Av to Manchester Av)	3662.6	68.0	45.3	648.2	12.0	8.0	64.4
West Century Boulevard (Club Dr to Crenshaw Bl)	3108.4	57.7	38.5	550.2	10.2	6.8	64.4
West Century Boulevard (Doty Av to HP Casino Way)	3769.9	70.0	46.6	667.2	12.4	8.3	64.4
West Century Boulevard (Freeman Av to Prairie Av)	3330.7	61.8	41.2	589.5	10.9	7.3	64.4
West Century Boulevard (From Crenshaw to Van Ness)	4749.4	88.1	58.8	840.6	15.6	10.4	64.4
West Century Boulevard (From La Brea to Myrtle)	3772.2	70.0	46.7	667.6	12.4	8.3	64.4
West Century Boulevard (From La Brea to Myrtle)	3804.2	70.6	47.1	673.3	12.5	8.3	64.4
West Century Boulevard (From La Brea to Myrtle)	3672.3	68.1	45.4	650.0	12.1	8.0	64.4
West Century Boulevard (From Prairie to Doty)	3852.7	71.5	47.7	681.9	12.7	8.4	64.4
West Century Boulevard (Grevillea Ave to La Brea Av/Hawthorne B)	3544.8	65.8	43.9	627.4	11.6	7.8	64.4
West Century Boulevard (HP Casino Way to Yukon)	3544.8	65.8	43.9	627.4	11.6	7.8	64.4
West Century Boulevard (Myrtle Av to Freeman Av)	3544.8	65.8	43.9	627.4	11.6	7.8	64.4
West Century Boulevard (Yukon to Club)	3544.8	65.8	43.9	627.4	11.6	7.8	64.4
West Century Boulevard (Yukon to Club)	2613.2	48.5	32.3	462.5	8.6	5.7	64.4
West Century Boulevard (Yukon to Club)	3338.2	62.0	41.3	590.8	11.0	7.3	64.4
West Century Boulevard (Yukon to Club)	3338.2	62.0	41.3	590.8	11.0	7.3	64.4
West Manchester Boulevard (Crenshaw Bl to Van Ness)	3338.2	62.0	41.3	590.8	11.0	7.3	64.4
West Manchester Boulevard (from Kareem Ct to Crenshaw Dr)	3338.2	62.0	41.3	590.8	11.0	7.3	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	2641.5	49.0	32.7	467.5	8.7	5.8	64.4
West Manchester Boulevard (From Prairie to Kareem Ct)	2641.5	49.0	32.7	467.5	8.7	5.8	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	546.9	10.2	6.8	96.8	1.8	1.2	56.3
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Manchester Boulevard (Kareem Ct to Crenshaw Dr)	2152.9	40.0	26.6	381.0	7.1	4.7	64.4
West Regent Street (Grevillea Av to La Brea Av)	311.1	5.8	3.9	55.1	1.0	0.7	56.3



## Adjusted Baseline Typical Weekday Non-Event without Proposed Project

Street	Segment		Noise Level (dBA)	
	From	To	Daytime	Nighttime
<b>North/South</b>				
La Brea Avenue	Hyde Park Boulevard (Beech Avenue)	Florence Avenue	67.1	59.6
	Florence Avenue	Manchester Boulevard	67.8	60.3
	Manchester Boulevard	Spruce Avenue/ Market Street	66.7	59.2
	Spruce Avenue/Market Street	Arbor Vitae Street	67.8	60.3
	Arbor Vitae Street	Hardy Street	68.5	60.9
	Hardy Street	Century Boulevard	68.6	61.1
Hawthorne Boulevard	Century Boulevard	104 <sup>th</sup> Street	70.2	62.7
	104 <sup>th</sup> Street	Lennox Boulevard	70.7	63.2
Prairie Avenue	Florence Avenue	Regent Street	68.9	61.4
	Regent Street	Manchester Boulevard	69	61.5
	Manchester Boulevard	Kelso St/Pincay Drive	70.1	62.6
	Kelso St/Pincay Drive	Arbor Vitae Street	71.4	63.9
	Arbor Vitae Street	Hardy Street	70.6	63.1
	Hardy Street	97 <sup>th</sup> Street	70.9	63.4
	97 <sup>th</sup> Street	Century Boulevard	70.9	63.4
	Century Boulevard	102 <sup>nd</sup> Street	70.4	63
	102 <sup>nd</sup> Street	104 <sup>th</sup> Street	70.5	62.9
104 <sup>th</sup> Street	Lennox Boulevard	70.6	63.1	
Crenshaw Boulevard	80 <sup>th</sup> Street	Manchester Boulevard	69.2	61.7
	Manchester Boulevard	Pincay Drive/90 <sup>th</sup> Street	69.6	62.1
	Pincay Drive/90 <sup>th</sup> Street	Arbor Vitae Street	70.5	63
	Hardy Street	Century Boulevard	70.5	62.9
	Century Boulevard	104 <sup>th</sup> Street	69.8	62.3
Market Street	Florence Avenue	Regent Street	55.8	48.2
	Regent Street	Manchester Boulevard	59.6	52
Myrtle Avenue	Arbor Vitae Street	Hardy Street	59.8	52.3
Doty Avenue	Century Boulevard	104 <sup>th</sup> Street	58.1	50.6
Yukon Avenue	Century Boulevard	104 <sup>th</sup> Street	62.4	54.9
Locust Street	Florence Avenue	Manchester Boulevard	56.4	48.8
<b>East/West</b>				
Centinela Avenue	Hyde Park Boulevard	Florence Avenue	68	60.5
	Fir Avenue	La Brea Avenue	67.7	60.2



Florence Avenue	La Brea Avenue	Market Street	68.7	61.2
	Market Street	Centinela Avenue	69.3	61.8
	Centinela Avenue	Prairie Avenue	71.5	64
	Prairie Avenue	West Boulevard	71.5	64
Manchester Boulevard	Grevillea Avenue	La Brea Avenue	67.2	59.6
	La Brea Avenue	Market Street	67.2	59.7
	Market Street	Locust Street	66.6	59.1
	Locust Street	Hillcrest Boulevard	66.9	59.4
	Hillcrest Boulevard	Spruce Avenue	67.7	60.2
	Spruce Avenue	Prairie Avenue	68.4	60.9
	Prairie Avenue	Kareem Court	70.5	63
	Kareem Court	Crenshaw Drive	71.1	63.6
	Crenshaw Drive	Crenshaw Boulevard	69.9	62.4
Crenshaw Boulevard	Van Ness Avenue	70.4	62.9	
Arbor Vitae Street	Grevillea Avenue	La Brea Avenue	65.2	57.7
	La Brea Avenue	Myrtle Avenue	63.5	56
	Myrtle Avenue	Prairie Avenue	63.1	55.6
Century Boulevard	Grevillea Avenue	La Brea Avenue/Hawthorne Boulevard	72.5	65
	La Brea Avenue/Hawthorne Boulevard	Myrtle Avenue	71.6	64.1
	Myrtle Avenue	Freeman Avenue	71.2	63.7
	Freeman Avenue	Prairie Avenue	70.7	63.1
	Prairie Avenue	Doty Avenue	71.6	64.1
	Doty Avenue	HP Casino Way	71.7	64.2
	HP Casino Way	Yukon Avenue	71.7	64.2
	Yukon Avenue	Club Drive	71.6	64.1
	Club Drive	Crenshaw Boulevard	71.8	64.3
Crenshaw Boulevard	Van Ness Avenue	71.1	63.6	
Regent Street	Grevillea Avenue	La Brea Avenue	61.1	53.6
	La Brea Avenue	Market Street	66	58.5
	Market Street	Prairie Avenue	63	55.5
Hillcrest Boulevard	Grevillea Avenue	La Brea Avenue	63.3	55.8
	La Brea Avenue	Market Street	62.5	55
	Market Street	Nutwood Street /Locust Street	63.6	56
	Nutwood Street /Locust Street	Manchester Boulevard	60.9	53.3
Spruce Avenue	Manchester Boulevard	Florence Avenue	63	55.5
	La Brea Avenue	Manchester Avenue	58.6	51.1

	Spruce Avenue	Prairie Avenue	63	55.4
Kelso Street/Pincay Drive	Prairie Avenue	Kareem Court	69.8	62.2
	Kareem Court	Crenshaw Boulevard	68.5	61
Hardy Street	La Brea Avenue	Prairie Avenue	57.4	49.9
	Grevillea Avenue	Hawthorne Boulevard	63.8	56.3
104 <sup>th</sup> Street	Hawthorne Boulevard	Prairie Avenue	61.6	54.1
	Prairie Avenue	Doty Avenue	61	53.5

Source: Refer to **Appendix 4.10-2.2** for adjusted baseline roadway noise levels

## Adjusted Baseline Typical Weekday Non-Event with Proposed Project

Street	Segment		Time Period	Noise Level (dBA)			Significant Impact?	
	From	To		Without Project	With Project	Increase/Decrease		
<b>North/South</b>								
La Brea Avenue	Hyde Park Boulevard (Beech Avenue)	Florence Avenue	Daytime	67.1	67.1	0	No	
			Nighttime	59.6	59.5	-0.1	No	
	Florence Avenue	Manchester Boulevard	Daytime	67.8	67.8	0	No	
			Nighttime	60.3	60.3	0	No	
	Manchester Boulevard	Spruce Avenue/ Market Street	Daytime	66.7	66.7	0	No	
			Nighttime	59.2	58.9	-0.3	No	
	Spruce Avenue/Market Street	Arbor Vitae Street	Daytime	67.8	67.8	0	No	
			Nighttime	60.3	60.3	0	No	
	Arbor Vitae Street	Hardy Street	Daytime	68.5	68.4	-0.2	No	
			Nighttime	60.9	60.9	0	No	
	Hardy Street	Century Boulevard	Daytime	68.6	68.6	0	No	
			Nighttime	61.1	61.1	0	No	
	Hawthorne Boulevard	Century Boulevard	104 <sup>th</sup> Street	Daytime	70.2	70.2	0	No
				Nighttime	62.7	62.7	0	No
104 <sup>th</sup> Street		Lennox Boulevard	Daytime	70.7	70.7	0	No	
			Nighttime	63.2	63.2	0	No	
Prairie Avenue	Florence Avenue	Regent Street	Daytime	68.9	68.9	0	No	
			Nighttime	61.4	61.3	-0.1	No	
	Regent Street	Manchester Boulevard	Daytime	69	69	0	No	
			Nighttime	61.5	61.4	-0.1	No	
	Manchester Boulevard	Kelso St/Pincay Drive	Daytime	70.1	70.1	0	No	
			Nighttime	62.6	62.6	0	No	
	Kelso St/Pincay Drive	Arbor Vitae Street	Daytime	71.4	71.3	-0.1	No	
			Nighttime	63.9	63.8	-0.1	No	
	Arbor Vitae Street	Hardy Street	Daytime	70.6	70.5	-0.1	No	
			Nighttime	63.1	63	-0.1	No	
	Hardy Street	97 <sup>th</sup> Street	Daytime	70.9	70.8	-0.1	No	
			Nighttime	63.4	63.3	-0.1	No	
	97 <sup>th</sup> Street	Century Boulevard	Daytime	70.9	70.8	-0.1	No	
			Nighttime	63.4	63.3	-0.1	No	
Century Boulevard	102 <sup>nd</sup> Street	Daytime	70.4	70.4	0	No		
		Nighttime	62.9	62.9	0	No		
102 <sup>nd</sup> Street	104 <sup>th</sup> Street	Daytime	70.5	70.5	0	No		
		Nighttime	63	62.9	-0.1	No		
104 <sup>th</sup> Street	Lennox Boulevard	Daytime	70.6	70.5	-0.1	No		
		Nighttime	63.1	63	-0.1	No		
Crenshaw Boulevard	80 <sup>th</sup> Street	Manchester Boulevard	Daytime	69.2	69.2	0	No	
			Nighttime	61.7	61.7	0	No	
	Manchester Boulevard	Pincay Drive/90 <sup>th</sup> Street	Daytime	69.6	69.6	0	No	
			Nighttime	62.1	62.1	0	No	
	Pincay Drive/90 <sup>th</sup> Street	Arbor Vitae Street	Daytime	70.5	70.5	0	No	
			Nighttime	63	63	0	No	
	Hardy Street	Century Boulevard	Daytime	70.5	70.4	-0.1	No	
			Nighttime	62.9	62.9	0	No	
	Century Boulevard	104 <sup>th</sup> Street	Daytime	69.8	69.8	0	No	
			Nighttime	62.3	62.3	0	No	
	Florence Avenue	Regent Street	Daytime	55.8	55.7	-0.1	No	
			Nighttime	48.2	48.2	0	No	

Market Street	Regent Street	Manchester Boulevard	Daytime	59.6	59.5	-0.1	No
			Nighttime	52.1	52	-0.1	No
Myrtle Avenue	Arbor Vitae Street	Hardy Street	Daytime	59.8	59.7	-0.1	No
			Nighttime	52.3	52.2	-0.1	No
Doty Avenue	Century Boulevard	104 <sup>th</sup> Street	Daytime	58.1	58	-0.1	No
			Nighttime	50.6	50.5	-0.1	No
Yukon Avenue	Century Boulevard	104 <sup>th</sup> Street	Daytime	62.4	62.3	-0.1	No
			Nighttime	54.9	54.8	-0.1	No
Locust Street	Florence Avenue	Manchester Boulevard	Daytime	56.4	56.3	-0.1	No
			Nighttime	48.8	48.8	0	No
<b>East/West</b>							
Centinela Avenue	Hyde Park Boulevard	Florence Avenue	Daytime	68	68	0	No
			Nighttime	60.5	60.5	0	No
	Fir Avenue	La Brea Avenue	Daytime	67.7	67.7	0	No
			Nighttime	60.2	60.2	0	No
	La Brea Avenue	Market Street	Daytime	68.7	68.7	0	No
			Nighttime	61.2	61.2	0	No
Florence Avenue	Market Street	Centinela Avenue	Daytime	69.3	69.3	0	No
			Nighttime	61.8	61.8	0	No
	Centinela Avenue	Prairie Avenue	Daytime	71.5	71.5	0	No
			Nighttime	64	64	0	No
	Prairie Avenue	West Boulevard	Daytime	71.5	71.5	0	No
			Nighttime	64	64	0	No
	Grevillea Avenue	La Brea Avenue	Daytime	67.2	67.1	-0.1	No
			Nighttime	59.6	59.6	0	No
	La Brea Avenue	Market Street	Daytime	67.2	67.2	0	No
			Nighttime	59.7	59.7	0	No
	Market Street	Locust Street	Daytime	66.6	66.6	0	No
			Nighttime	59.1	59.1	0	No
	Locust Street	Hillcrest Boulevard	Daytime	66.9	66.9	0	No
			Nighttime	59.4	59.4	0	No
	Hillcrest Boulevard	Spruce Avenue	Daytime	67.7	67.7	0	No
			Nighttime	60.2	60.2	0	No
Manchester Boulevard	Spruce Avenue	Prairie Avenue	Daytime	68.4	68.4	0	No
			Nighttime	60.9	60.9	0	No
	Prairie Avenue	Kareem Court	Daytime	70.5	70.5	0	No
			Nighttime	63	63	0	No
	Kareem Court	Crenshaw Drive	Daytime	71.1	71.1	0	No
			Nighttime	63.6	63.6	0	No
	Crenshaw Drive	Crenshaw Boulevard	Daytime	69.9	69.9	0	No
			Nighttime	62.4	62.4	0	No
	Crenshaw Boulevard	Van Ness Avenue	Daytime	70.4	70.4	0	No
			Nighttime	62.9	62.8	-0.1	No
	Grevillea Avenue	La Brea Avenue	Daytime	65.2	65.2	0	No
			Nighttime	57.7	57.6	0	No
Arbor Vitae Street	La Brea Avenue	Myrtle Avenue	Daytime	63.5	63.5	0	No
			Nighttime	56	55.9	-0.1	No
	Myrtle Avenue	Prairie Avenue	Daytime	63.1	63	-0.1	No
			Nighttime	55.6	55.5	-0.1	No
	Grevillea Avenue	La Brea Avenue/Hawthorne Boulevard	Daytime	72.5	72.5	0	No
			Nighttime	65	65	0	No
	La Brea Avenue/Hawthorne Boulevard	Myrtle Avenue	Daytime	71.6	71.6	0	No
			Nighttime	64.1	64.1	0	No
	Myrtle Avenue	Freeman Avenue	Daytime	71.2	71.2	0	No
			Nighttime	63.7	63.7	0	No
	Freeman Avenue	Prairie Avenue	Daytime	70.7	70.6	-0.1	No
			Nighttime	63.1	63.1	0	No
Century Boulevard	Prairie Avenue	Doty Avenue	Daytime	71.6	71.5	-0.1	No
			Nighttime	64.1	64	-0.1	No

	Doty Avenue	HP Casino Way	Daytime	71.7	71.7	0	No
			Nighttime	64.2	64.2	0	No
	HP Casino Way	Yukon Avenue	Daytime	71.7	71.7	0	No
			Nighttime	64.2	64.2	0	No
	Yukon Avenue	Club Drive	Daytime	71.6	71.5	-0.1	No
			Nighttime	64.1	64	-0.1	No
	Club Drive	Crenshaw Boulevard	Daytime	71.8	71.7	-0.1	No
			Nighttime	64.3	64.2	-0.1	No
	Crenshaw Boulevard	Van Ness Avenue	Daytime	71.1	71	-0.1	No
			Nighttime	63.6	63.5	-0.1	No
Regent Street	Grevillea Avenue	La Brea Avenue	Daytime	61.1	61.1	0	No
			Nighttime	53.6	53.6	0	No
	La Brea Avenue	Market Street	Daytime	66	65.9	-0.1	No
			Nighttime	58.5	58.4	-0.1	No
	Market Street	Prairie Avenue	Daytime	63	63	0	No
			Nighttime	55.5	55.5	0	No
	Grevillea Avenue	La Brea Avenue	Daytime	63.3	63.3	0	No
			Nighttime	55.8	55.8	0	No
	La Brea Avenue	Market Street	Daytime	62.5	62.5	0	No
			Nighttime	55	55	0	No
Hillcrest Boulevard	Market Street	Nutwood Street /Locust Street	Daytime	63.6	63.5	-0.1	No
			Nighttime	56	56	0	No
	Nutwood Street /Locust Street	Manchester Boulevard	Daytime	60.9	61.1	0.2	No
			Nighttime	53.3	53.6	0.3	No
	Manchester Boulevard	Florence Avenue	Daytime	63	63	0	No
			Nighttime	55.5	55.4	-0.1	No
Spruce Avenue	La Brea Avenue	Manchester Avenue	Daytime	58.6	58.6	0	No
			Nighttime	51.1	51.1	0	No
	Spruce Avenue	Prairie Avenue	Daytime	63	62.9	-0.1	No
			Nighttime	55.4	55.4	0	No
Kelso Street/Pincay Drive	Prairie Avenue	Kareem Court	Daytime	69.8	69.7	-0.1	No
			Nighttime	62.2	62.2	0	No
	Kareem Court	Crenshaw Boulevard	Daytime	68.5	68.5	0	No
			Nighttime	61	61	0	No
Hardy Street	La Brea Avenue	Prairie Avenue	Daytime	57.4	57.3	-0.1	No
			Nighttime	49.9	49.7	-0.2	No
	Grevillea Avenue	Hawthorne Boulevard	Daytime	63.8	63.8	0	No
			Nighttime	56.3	56.3	0	No
104 <sup>th</sup> Street	Hawthorne Boulevard	Prairie Avenue	Daytime	61.6	61.6	0	No
			Nighttime	54	54	0	No
	Prairie Avenue	Doty Avenue	Daytime	61	61	0	No
			Nighttime	53.5	53.5	0	No

Source: Refer to **Appendix 4.10-4.2** for adjusted baseline plus Project roadway noise levels.

### Future Proposed Project Opening Year (2026) With and Without NFL Game Event

Street	Segment		Time Period	Noise Level (dBA)		Increase	Significant Impact?
	From	To		Without Project	With Project		
<b>North/South</b>							
La Brea Avenue	Hyde Park Boulevard (Beech Avenue)	Florence Avenue	Daytime	68	68	0	No
			Nighttime	60.5	60.5	0	No
	Florence Avenue	Manchester Boulevard	Daytime	68.7	68.7	0	No
			Nighttime	61.2	61.1	-0.1	No
	Manchester Boulevard	Spruce Avenue/ Market Street	Daytime	67.9	67.9	0	No
			Nighttime	60.4	60.3	-0.1	No
	Spruce Avenue/Market Street	Arbor Vitae Street	Daytime	69.2	69.2	0	No
			Nighttime	61.7	61.7	0	No
	Arbor Vitae Street	Hardy Street	Daytime	69.1	69.1	0	No
			Nighttime	61.6	61.5	-0.1	No
	Hardy Street	Century Boulevard	Daytime	69.6	69.5	0	No
			Nighttime	62	62	0	No
Hawthorne Boulevard	Century Boulevard	104 <sup>th</sup> Street	Daytime	71.2	71.2	0	No
			Nighttime	63.7	63.6	-0.1	No
	104 <sup>th</sup> Street	Lennox Boulevard	Daytime	71.6	71.6	0	No
			Nighttime	64.1	64.1	0	No
Prairie Avenue	Florence Avenue	Regent Street	Daytime	69.6	69.5	-0.1	No
			Nighttime	62.1	62	-0.1	No
	Regent Street	Manchester Boulevard	Daytime	69.5	69.4	-0.1	No
			Nighttime	62	61.9	-0.1	No
	Manchester Boulevard	Kelso St/Pincay Drive	Daytime	71.4	71.3	-0.1	No
			Nighttime	63.9	63.7	-0.2	No
	Kelso St/Pincay Drive	Arbor Vitae Street	Daytime	71.7	71.6	-0.1	No
			Nighttime	64.2	64.1	-0.1	No
	Arbor Vitae Street	Hardy Street	Daytime	71.3	71.2	-0.1	No
			Nighttime	63.8	63.7	-0.1	No
	Hardy Street	97 <sup>th</sup> Street	Daytime	72.2	72	-0.2	No
			Nighttime	64.6	64.5	-0.1	No
97 <sup>th</sup> Street	Century Boulevard	Daytime	72.2	72	-0.2	No	
		Nighttime	64.6	64.5	-0.1	No	
Century Boulevard	102 <sup>nd</sup> Street	Daytime	71.8	71.6	-0.2	No	
		Nighttime	64.3	64.1	-0.2	No	
102 <sup>nd</sup> Street	104 <sup>th</sup> Street	Daytime	71.8	71.7	-0.1	No	
		Nighttime	64.3	64.2	-0.1	No	
104 <sup>th</sup> Street	Lennox Boulevard	Daytime	71.9	71.7	-0.2	No	
		Nighttime	64.3	64.2	-0.1	No	
Crenshaw Boulevard	80 <sup>th</sup> Street	Manchester Boulevard	Daytime	70.1	70.1	0	No
			Nighttime	62.6	62.6	0	No
	Manchester Boulevard	Pincay Drive/90 <sup>th</sup> Street	Daytime	70.9	70.9	0	No
			Nighttime	63.4	63.4	0	No
	Pincay Drive/90 <sup>th</sup> Street	Arbor Vitae Street	Daytime	72	71.9	-0.1	No
			Nighttime	64.5	64.4	-0.1	No
	Hardy Street	Century Boulevard	Daytime	71.9	71.9	0	No
			Nighttime	64.4	64.3	-0.1	No

	Century Boulevard	104 <sup>th</sup> Street	Daytime	71.6	71.5	-0.1	No
			Nighttime	64.1	64	-0.1	No
Market Street	Florence Avenue	Regent Street	Daytime	57.2	57.2	0	No
			Nighttime	49.7	49.7	0	No
	Regent Street	Manchester Boulevard	Daytime	60.3	60.3	0	No
			Nighttime	52.8	52.8	0	No
Myrtle Avenue	Arbor Vitae Street	Hardy Street	Daytime	60.5	60.4	-0.1	No
			Nighttime	53	52.9	-0.1	No
Doty Avenue	Century Boulevard	104 <sup>th</sup> Street	Daytime	60.7	60.6	-0.1	No
			Nighttime	53.2	53.1	-0.1	No
Yukon Avenue	Century Boulevard	104 <sup>th</sup> Street	Daytime	63	62.9	-0.1	No
			Nighttime	55.4	55.3	-0.1	No
Locust Street	Florence Avenue	Manchester Boulevard	Daytime	58.1	58.1	0	No
			Nighttime	50.6	50.5	-0.1	No
<b>East/West</b>							
Centinela Avenue	Hyde Park Boulevard	Florence Avenue	Daytime	68.4	68.4	0	No
			Nighttime	60.9	60.9	0	No
Florence Avenue	Fir Avenue	La Brea Avenue	Daytime	68.8	68.8	0	No
			Nighttime	61.3	61.2	-0.1	No
	La Brea Avenue	Market Street	Daytime	69.6	69.6	0	No
			Nighttime	62.1	62.1	0	No
	Market Street	Centinela Avenue	Daytime	70.5	70.4	-0.1	No
			Nighttime	63	62.9	-0.1	No
	Centinela Avenue	Prairie Avenue	Daytime	72.3	72.2	-0.1	No
			Nighttime	64.8	64.7	-0.1	No
	Prairie Avenue	West Boulevard	Daytime	72.2	72.2	0	No
			Nighttime	64.7	64.7	0	No
Manchester Boulevard	Grevillea Avenue	La Brea Avenue	Daytime	68.6	68.5	-0.1	No
			Nighttime	61.1	61	-0.1	No
	La Brea Avenue	Market Street	Daytime	68.6	68.6	0	No
			Nighttime	61.1	61	-0.1	No
	Market Street	Locust Street	Daytime	67.8	67.7	-0.1	No
			Nighttime	60.2	60.1	-0.1	No
	Locust Street	Hillcrest Boulevard	Daytime	68.4	68.3	-0.1	No
			Nighttime	60.9	60.8	-0.1	No
	Hillcrest Boulevard	Spruce Avenue	Daytime	69.3	69.2	-0.1	No
			Nighttime	61.8	61.7	-0.1	No
	Spruce Avenue	Prairie Avenue	Daytime	69.8	69.7	-0.1	No
			Nighttime	62.3	62.2	-0.1	No
	Prairie Avenue	Kareem Court	Daytime	71.5	71.4	-0.1	No
			Nighttime	64	63.9	-0.1	No
	Kareem Court	Crenshaw Drive	Daytime	72.4	72.4	0	No
			Nighttime	64.9	64.8	-0.1	No
Crenshaw Drive	Crenshaw Boulevard	Daytime	71.2	71	-0.2	No	
		Nighttime	63.6	63.6	0	No	
Crenshaw Boulevard	Van Ness Avenue	Daytime	71.5	71.4	-0.1	No	
		Nighttime	64	63.9	-0.1	No	
Arbor Vitae Street	Grevillea Avenue	La Brea Avenue	Daytime	66	65.9	-0.1	No
			Nighttime	58.5	58.4	-0.1	No
	La Brea Avenue	Myrtle Avenue	Daytime	65.5	65.4	-0.1	No
			Nighttime	57.9	57.8	-0.1	No
	Myrtle Avenue	Prairie Avenue	Daytime	64.9	64.8	-0.1	No
			Nighttime	57.3	57.3	0	No
Grevillea Avenue	La Brea Avenue/Hawthorne Boulevard	Daytime	73.8	73.7	-0.1	No	
		Nighttime	66.3	66.2	-0.1	No	
	La Brea Avenue/Hawthorne Boulevard	Myrtle Avenue	Daytime	73	72.9	-0.1	No

	Boulevard		Nighttime	65.4	65.4	0	No
	Myrtle Avenue	Freeman Avenue	Daytime	72.8	72.7	-0.1	No
			Nighttime	65.2	65.1	-0.1	No
	Freeman Avenue	Prairie Avenue	Daytime	72.4	72.3	-0.1	No
			Nighttime	64.8	64.7	-0.1	No
Century Boulevard	Prairie Avenue	Doty Avenue	Daytime	73.1	73	-0.1	No
			Nighttime	65.5	65.5	0	No
	Doty Avenue	HP Casino Way	Daytime	73	72.9	-0.1	No
			Nighttime	65.5	65.4	-0.1	No
	HP Casino Way	Yukon Avenue	Daytime	73	73	0	No
			Nighttime	65.5	65.4	-0.1	No
	Yukon Avenue	Club Drive	Daytime	72.8	72.7	-0.1	No
			Nighttime	65.3	65.2	-0.1	No
	Club Drive	Crenshaw Boulevard	Daytime	72.9	72.8	-0.1	No
			Nighttime	65.4	65.3	-0.1	No
	Crenshaw Boulevard	Van Ness Avenue	Daytime	72.1	72	-0.1	No
			Nighttime	64.6	64.5	-0.1	No
	Grevillea Avenue	La Brea Avenue	Daytime	62.6	62.6	0	No
			Nighttime	55.1	55	-0.1	No
Regent Street	La Brea Avenue	Market Street	Daytime	66.6	66.6	0	No
			Nighttime	59.1	59	-0.1	No
	Market Street	Prairie Avenue	Daytime	63.5	63.5	0	No
			Nighttime	56	55.9	-0.1	No
	Grevillea Avenue	La Brea Avenue	Daytime	63.4	63.4	0	No
			Nighttime	55.9	55.9	0	No
	La Brea Avenue	Market Street	Daytime	63.4	63.4	0	No
			Nighttime	55.9	55.9	0	No
	Market Street	Nutwood Street /Locust Street	Daytime	64.3	64.3	0	No
Hillcrest Boulevard			Nighttime	56.8	56.7	-0.1	No
	Nutwood Street /Locust Street	Manchester Boulevard	Daytime	62	62	0	No
			Nighttime	54.5	54.5	0	No
	Manchester Boulevard	Florence Avenue	Daytime	64	63.9	-0.1	No
			Nighttime	56.4	56.4	0	No
Spruce Avenue	La Brea Avenue	Manchester Avenue	Daytime	63	62.9	-0.1	No
			Nighttime	55.5	55.3	-0.2	No
	Spruce Avenue	Prairie Avenue	Daytime	64	64	0	No
			Nighttime	56.5	56.5	0	No
Kelso Street/Pincay Drive	Prairie Avenue	Kareem Court	Daytime	70.9	70.8	-0.1	No
			Nighttime	63.4	63.3	-0.1	No
	Kareem Court	Crenshaw Boulevard	Daytime	71.4	71.2	-0.2	No
			Nighttime	63.8	63.7	-0.1	No
Hardy Street	La Brea Avenue	Prairie Avenue	Daytime	59.3	59.2	-0.1	No
			Nighttime	51.8	51.7	-0.1	No
	Grevillea Avenue	Hawthorne Boulevard	Daytime	64.6	64.6	0	No
			Nighttime	57.1	57.1	0	No
104 <sup>th</sup> Street	Hawthorne Boulevard	Prairie Avenue	Daytime	62.6	62.6	0	No
			Nighttime	55	55	0	No
	Prairie Avenue	Doty Avenue	Daytime	63.8	63.8	0	No
			Nighttime	56.3	56.2	-0.1	No

Source: Refer to **Appendix 4.10-4.3** for Future (Year 2026) With and Without Project roadway noise levels.



### Future Long-Term Proposed Project (2045) With and Without Weekday NFL Game Event

Street	Segment		Time Period	Noise Level (dBA)		Increase	Significant Impact?
	From	To		Without Project	With Project		
<b>North/South</b>							
La Brea Avenue	Hyde Park Boulevard (Beech Avenue)	Florence Avenue	Daytime	68.6	68.6	0	No
			Nighttime	61.1	61.1	0	No
	Florence Avenue	Manchester Boulevard	Daytime	69.2	69.1	-0.1	No
			Nighttime	61.6	61.6	0	No
	Manchester Boulevard	Spruce Avenue/ Market Street	Daytime	68.5	68.5	0	No
			Nighttime	61	60.9	-0.1	No
	Spruce Avenue/Market Street	Arbor Vitae Street	Daytime	69.8	69.8	0	No
			Nighttime	62.3	62.3	0	No
	Arbor Vitae Street	Hardy Street	Daytime	69.8	68.8	0	No
			Nighttime	62.3	62.2	-0.1	No
	Hardy Street	Century Boulevard	Daytime	70.3	70.3	0	No
			Nighttime	62.8	62.8	0	No
Hawthorne Boulevard	Century Boulevard	104 <sup>th</sup> Street	Daytime	72	72	0	No
			Nighttime	64.5	64.4	-0.1	No
	104 <sup>th</sup> Street	Lennox Boulevard	Daytime	72.4	72.4	0	No
			Nighttime	64.9	64.9	0	No
Prairie Avenue	Florence Avenue	Regent Street	Daytime	70.1	70	-0.1	No
			Nighttime	62.6	62.5	-0.1	No
	Regent Street	Manchester Boulevard	Daytime	69.8	69.7	-0.1	No
			Nighttime	62.3	62.1	-0.2	No
Manchester Boulevard	Kelso St/Pincay Drive	Daytime	72	71.9	-0.1	No	
		Nighttime	64.5	64.3	-0.2	No	
Kelso St/Pincay Drive	Arbor Vitae Street	Daytime	72.2	72.1	-0.1	No	
		Nighttime	64.7	64.6	-0.1	No	
Arbor Vitae Street	Hardy Street	Daytime	71.9	71.8	-0.1	No	
		Nighttime	64.4	64.3	-0.1	No	
Hardy Street	97 <sup>th</sup> Street	Daytime	72.6	72.5	-0.1	No	
		Nighttime	65.1	64.9	-0.2	No	
97 <sup>th</sup> Street	Century Boulevard	Daytime	72.6	72.5	-0.1	No	
		Nighttime	65.1	64.9	-0.2	No	
Century Boulevard	102 <sup>nd</sup> Street	Daytime	72.3	72.1	-0.2	No	
		Nighttime	64.7	64.6	-0.1	No	
102 <sup>nd</sup> Street	104 <sup>th</sup> Street	Daytime	72.4	72.2	-0.2	No	
		Nighttime	64.9	64.7	-0.2	No	
104 <sup>th</sup> Street	Lennox Boulevard	Daytime	72.3	72.2	-0.1	No	
		Nighttime	64.8	64.7	-0.1	No	
Crenshaw Boulevard	80 <sup>th</sup> Street	Manchester Boulevard	Daytime	70.7	70.7	0	No
			Nighttime	63.2	63.1	-0.1	No
	Manchester Boulevard	Pincay Drive/90 <sup>th</sup> Street	Daytime	71.5	71.4	-0.1	No
			Nighttime	63.9	63.9	0	No
Pincay Drive/90 <sup>th</sup> Street	Arbor Vitae Street	Daytime	72.6	72.5	-0.1	No	
		Nighttime	65	65	0	No	
Hardy Street	Century Boulevard	Daytime	72.5	72.4	-0.1	No	
		Nighttime	65	64.9	-0.1	No	

	Century Boulevard	104 <sup>th</sup> Street	Daytime	72.2	72	-0.2	No
			Nighttime	64.6	64.5	-0.1	No
Market Street	Florence Avenue	Regent Street	Daytime	58.1	58.1	0	No
			Nighttime	50.6	50.6	0	No
	Regent Street	Manchester Boulevard	Daytime	60.9	60.9	0	No
			Nighttime	53.4	53.3	-0.1	No
Myrtle Avenue	Arbor Vitae Street	Hardy Street	Daytime	61.7	61.6	-0.1	No
			Nighttime	54.2	54.1	-0.1	No
Doty Avenue	Century Boulevard	104 <sup>th</sup> Street	Daytime	61	60.9	-0.1	No
			Nighttime	53.5	53.4	-0.1	No
Yukon Avenue	Century Boulevard	102 <sup>nd</sup> Street	Daytime	63.2	63.2	0	No
			Nighttime	55.8	55.7	-0.1	No
Locust Street	Florence Avenue	Manchester Boulevard	Daytime	58.8	58.7	-0.1	No
			Nighttime	51.3	51.2	-0.1	No
<b>East/West</b>							
Centinela Avenue	Hyde Park Boulevard	Florence Avenue	Daytime	69	68.9	-0.1	No
			Nighttime	61.4	61.4	0	No
Florence Avenue	Fir Avenue	La Brea Avenue	Daytime	69.6	69.6	0	No
			Nighttime	62.1	62.1	0	No
	La Brea Avenue	Market Street	Daytime	70.3	70.4	0.1	No
			Nighttime	62.9	62.8	-0.1	No
	Market Street	Centinela Avenue	Daytime	71.2	71.2	0	No
			Nighttime	63.7	63.7	0	No
	Centinela Avenue	Prairie Avenue	Daytime	72.9	72.8	-0.1	No
			Nighttime	65.3	65.3	0	No
	Prairie Avenue	West Boulevard	Daytime	72.9	72.9	0	No
			Nighttime	65.3	65.3	0	No
Manchester Boulevard	Grevillea Avenue	La Brea Avenue	Daytime	69	68.9	-0.1	No
			Nighttime	61.5	61.4	-0.1	No
	La Brea Avenue	Market Street	Daytime	69	68.9	-0.1	No
			Nighttime	61.5	61.4	-0.1	No
	Market Street	Locust Street	Daytime	68.1	68	-0.1	No
			Nighttime	60.6	60.5	-0.1	No
	Locust Street	Hillcrest Boulevard	Daytime	68.8	68.7	-0.1	No
			Nighttime	61.3	61.2	-0.1	No
	Hillcrest Boulevard	Spruce Avenue	Daytime	69.9	69.8	-0.1	No
			Nighttime	62.3	62.2	-0.1	No
	Spruce Avenue	Prairie Avenue	Daytime	70.3	70.2	-0.1	No
			Nighttime	62.8	62.7	-0.1	No
	Prairie Avenue	Kareem Court	Daytime	72	72	0	No
			Nighttime	64.5	64.5	0	No
	Kareem Court	Crenshaw Drive	Daytime	73.1	73	-0.1	No
			Nighttime	65.6	65.5	-0.1	No
Crenshaw Drive	Crenshaw Boulevard	Daytime	71.8	71.7	-0.1	No	
		Nighttime	64.3	64.2	-0.1	No	
Crenshaw Boulevard	Van Ness Avenue	Daytime	72	71.9	-0.1	No	
		Nighttime	64.5	64.4	-0.1	No	
Arbor Vitae Street	Grevillea Avenue	La Brea Avenue	Daytime	66.7	66.6	-0.1	No
			Nighttime	59.2	59.1	-0.1	No
	La Brea Avenue	Myrtle Avenue	Daytime	66	65.9	-0.1	No
			Nighttime	58.4	58.4	0	No
	Myrtle Avenue	Prairie Avenue	Daytime	65.4	65.3	-0.1	No
			Nighttime	57.9	57.8	-0.1	No
Grevillea Avenue	La Brea Avenue/Hawthorne Boulevard	Daytime	74.6	74.5	-0.1	No	
		Nighttime	67.1	67	-0.1	No	
	La Brea Avenue/Hawthorne Boulevard	Myrtle Avenue	Daytime	73.7	73.6	-0.1	No

	Boulevard		Nighttime	66.1	66.1	0	No
	Myrtle Avenue	Freeman Avenue	Daytime	73.5	73.4	-0.1	No
			Nighttime	66	65.9	-0.1	No
	Freeman Avenue	Prairie Avenue	Daytime	73.1	73	-0.1	No
			Nighttime	65.6	65.5	-0.1	No
Century Boulevard	Prairie Avenue	Doty Avenue	Daytime	73.7	73.6	-0.1	No
			Nighttime	66.2	66.1	-0.1	No
	Doty Avenue	HP Casino Way	Daytime	73.6	73.5	-0.1	No
			Nighttime	66.1	66	-0.1	No
	HP Casino Way	Yukon Avenue	Daytime	73.6	73.5	-0.1	No
			Nighttime	66.1	66	-0.1	No
	Yukon Avenue	Club Drive	Daytime	73.4	73.3	-0.1	No
			Nighttime	65.8	65.7	-0.1	No
	Club Drive	Crenshaw Boulevard	Daytime	73.5	73.4	-0.1	No
			Nighttime	66	65.9	-0.1	No
	Crenshaw Boulevard	Van Ness Avenue	Daytime	72.8	72.7	-0.1	No
			Nighttime	65.2	65.2	0	No
	Grevillea Avenue	La Brea Avenue	Daytime	63.6	63.6	0	No
			Nighttime	56.1	56	-0.1	No
Regent Street	La Brea Avenue	Market Street	Daytime	67.4	67.3	-0.1	No
			Nighttime	59.8	59.8	0	No
	Market Street	Prairie Avenue	Daytime	64.2	64.2	0	No
			Nighttime	56.7	56.7	0	No
	Grevillea Avenue	La Brea Avenue	Daytime	65.3	65.3	0	No
			Nighttime	57.8	57.8	0	No
	La Brea Avenue	Market Street	Daytime	64.2	64.2	0	No
			Nighttime	56.7	56.6	-0.1	No
	Market Street	Nutwood Street /Locust Street	Daytime	65	65	0	No
Hillcrest Boulevard			Nighttime	57.5	57.5	0	No
	Nutwood Street /Locust Street	Manchester Boulevard	Daytime	62.7	62.7	0	No
			Nighttime	55.2	55.2	0	No
	Manchester Boulevard	Florence Avenue	Daytime	64.6	64.6	0	No
			Nighttime	57	57	0	No
Spruce Avenue	La Brea Avenue	Manchester Avenue	Daytime	63.7	63.6	-0.1	No
			Nighttime	56.1	56.1	0	No
	Spruce Avenue	Prairie Avenue	Daytime	64.9	64.8	-0.1	No
			Nighttime	57.4	57.3	-0.1	No
Kelso Street/Pincay Drive	Prairie Avenue	Kareem Court	Daytime	71.5	71.4	-0.1	No
			Nighttime	64	63.9	-0.1	No
	Kareem Court	Crenshaw Boulevard	Daytime	72	71.8	-0.2	No
			Nighttime	64.5	64.3	-0.2	No
Hardy Street	La Brea Avenue	Prairie Avenue	Daytime	59.8	59.7	-0.1	No
			Nighttime	52.3	52.2	-0.1	No
	Grevillea Avenue	Hawthorne Boulevard	Daytime	65.6	65.6	0	No
			Nighttime	58.1	58.1	0	No
104 <sup>th</sup> Street	Hawthorne Boulevard	Prairie Avenue	Daytime	63.6	63.6	0	No
			Nighttime	56	56	0	No
	Prairie Avenue	Doty Avenue	Daytime	64.6	64.5	-0.1	No
			Nighttime	57	57	0	No

Source: Refer to **Appendix 4.10-4.4** for Future (Year 2045) With and Without Project roadway noise levels.

**APPENDIX 4.10.3**

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**Vibration Monitoring Data Sheets**

RMS Level, VdB

One-Third Octave Band Center Frequency (Hz)

Site	<u>4</u>	<u>5</u>	<u>6.3</u>	<u>8</u>	<u>10</u>	<u>12.5</u>	<u>16</u>	<u>20</u>	<u>25</u>	<u>31.5</u>	<u>40</u>	<u>50</u>	<u>63</u>	<u>80</u>	<u>100</u>	<u>125</u>	<u>160</u>	<u>200</u>	<u>250</u>	<u>315</u>	<u>400</u>	Max (8-80)
1	53	50	50	49	47	52	46	41	48	48	40	41	38	39	45	48	44	45	47	44	38	52
2	82	77	63	56	53	53	54	55	57	60	53	57	55	52	50	51	51	52	49	42	37	60
3	58	54	49	53	57	60	59	56	55	54	48	42	39	39	40	43	44	51	49	36	25	60
4	54	52	50	54	62	60	57	56	54	52	51	52	48	46	46	45	43	35	29	23	19	62
5	72	69	64	60	63	67	67	62	62	59	58	56	53	53	56	53	52	49	51	52	48	67

**APPENDIX 4.10.4**

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**Construction Noise Worksheets**

**APPENDIX 4.10.4-1**

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***Construction Sound Power Level Worksheets***

## Sound Power Level - Phase 1

	Quantity	Spec Lmax (50 feet)	Lmax	Leq
Impact Pile Driver	1	101	101.3	94.3
Crane	1	85	80.6	72.6
Backhoe	5	80	77.6	80.6
Loader	5	80	79.1	82.1
Auger Drill Rig	1	85	84.4	77.4
Compressor	6	80	77.7	81.5
Excavator	3	85	80.7	81.5
Bobcat	3	85	85	85.8
Impact Hammer	6	90	90	93.8
Jackhammer	7	89	88.9	90.4
Pneumatic Tools	15	85	85.2	96.76
Generator	3	82	80.6	82.4
Warning Horn	2	85	83.2	73.2
Drill Rig Truck	1	84	79.1	72.2
Concrete Saw	4	90	89.6	88.6
Compactor (ground)	3	83	83.2	81
Portable Light Towers for night work	4		55	57
Man Lift	9	75	74.7	77.3
	79		90.0	88.6
			102.6	101.2



## Sound Power Level - Phase 2

	Quantity	Spec Lmax (50 feet)	Lmax	Leq
Impact Pile Driver	1	101	101.3	94.3
Crane	2	85	80.6	75.6
Backhoe	5	80	77.6	80.6
Loader	3	80	79.1	79.9
Auger Drill Rig	1	85	84.4	77.4
Compressor	6	80	77.7	81.5
Excavator	2	85	80.7	79.7
Bobcat	3	85	79.1	79.9
Impact Hammer	3	90	90	90.8
Jackhammer	4	89	88.9	87.9
Pneumatic Tools	20	85	85.2	98.2
Generator	3	82	80.6	82.4
Warning Horn	2	85	83.2	73.2
Drum Mixer	3	80	80	81.8
Drill Rig Truck	1	84	79.1	72.2
Concrete Saw	2	90	89.6	85.6
Compactor (ground)	3	83	83.2	81
Portable Light Towers	4	55	55	57
Man Lift	9	75	74.7	77.3
	77		89.8	88.2
			102.6	101.0

### Sound Power Level - Phase 3

	Quantity	Spec Lmax (50 feet)	Lmax	Leq
Impact Pile Driver	1	101	101.3	94.3
Crane	2	85	80.6	75.6
Backhoe	5	80	77.6	80.6
Loader	2	80	79.1	81.1
Auger Drill Rig	1	85	84.4	77.4
Compressor	6	80	77.7	81.5
Excavator	2	85	80.7	79.7
Bobcat	4	85	79.1	84.2
Impact Hammer	3	90	90.3	91.1
Jackhammer	4	89	88.9	90.9
Pneumatic Tools	20	85	85.2	98.2
Generator	3	82	80.6	82.4
Warning Horn	2	85	83.2	73.2
Drum Mixer	3	80	80	81.8
Drill Rig Truck	1	84	79.1	72.2
Concrete Saw	2	90	89.6	85.6
Compactor (ground)	4	83	83.2	85.3
Portable Light Towers	6	55	55	58.8
Man Lift	10	75	74.7	80.7
	81		89.8	88.6
			102.6	101.4

## Sound Power Level - Phase 4

	Quantity	Spec Lmax (50 feet)	Lmax	Leq
Crane	1	85	80.6	72.6
Loader	2	80	79.1	78.1
Compressor	3	80	77.7	78.5
Bobcat	1	85	79.1	79.9
Impact Hammer	2	90	90.3	86.3
Jackhammer	2	89	88.9	84.9
Pneumatic Tools	8	85	85.2	91.2
Generator	1	82	80.6	77.6
Warning Horn	1	85	83.2	70.2
Concrete Saw	1	90	89.6	82.6
Portable Light Towers	3	55	55	55.8
Man Lift	5	75	74.7	74.7
	30		85.0	83.3
			95.8	94.1

**APPENDIX 4.10.4-2**

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***Construction Noise (Phase 1) Worksheets***

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice	63Hz dB(A)
Site 1	G	85.2	81.4	77.8	78.4	81.3	78	CNEL	85.2
								Ld	81.4
								Le	77.8
								Ln	78.4
								Ldaytime	81.3
								Lnighttime	78
Site 2	G	76.3	72.5	68.9	69.5	72.4	69.1	CNEL	76.3
								Ld	72.5
								Le	68.9
								Ln	69.5
								Ldaytime	72.4
								Lnighttime	69.1
Site 3	G	69.4	65.6	62.1	62.6	65.5	62.2	CNEL	69.4
								Ld	65.6
								Le	62.1
								Ln	62.6
								Ldaytime	65.5
								Lnighttime	62.2
Site 4	G	54.4	50.6	47.1	47.6	50.6	47.2	CNEL	54.4
								Ld	50.6
								Le	47.1
								Ln	47.6
								Ldaytime	50.6
								Lnighttime	47.2
Site 5	G	59.6	55.8	52.2	52.7	55.7	52.3	CNEL	59.6
								Ld	55.8
								Le	52.2
								Ln	52.7

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice 63Hz dB(A)	
								Ldaytime	Lnighttime
								55.7	52.3
Site A	G	68.4	64.6	61	61.6	64.5	61.2	CNEL	68.4
								Ld	64.6
								Le	61
								Ln	61.6
								Ldaytime	64.5
								Lnighttime	61.2
Site B	G	68.3	64.5	60.9	61.5	64.4	61.1	CNEL	68.3
								Ld	64.5
								Le	60.9
								Ln	61.5
								Ldaytime	64.4
								Lnighttime	61.1
Site C	G	56.3	52.5	49	49.5	52.4	49.1	CNEL	56.3
								Ld	52.5
								Le	49
								Ln	49.5
								Ldaytime	52.4
								Lnighttime	49.1
Site D	G	60.1	56.3	52.8	53.3	56.3	52.9	CNEL	60.1
								Ld	56.3
								Le	52.8
								Ln	53.3
								Ldaytime	56.3
								Lnighttime	52.9
Site E	G	51.1	47.3	43.7	44.3	47.2	43.9	CNEL	51.1
								Ld	47.3

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice 63Hz	dB(A)
								Le	43.7
								Ln	44.3
								Ldaytime	47.2
								Lnighttime	43.9
Site F	G	61.6	57.8	54.2	54.8	57.7	54.4	CNEL	61.6
								Ld	57.8
								Le	54.2
								Ln	54.8
								Ldaytime	57.7
								Lnighttime	54.4
Site G	G	63.7	59.9	56.4	56.9	59.9	56.5	CNEL	63.7
								Ld	59.9
								Le	56.4
								Ln	56.9
								Ldaytime	59.9
								Lnighttime	56.5
Site H	G	67.7	63.9	60.3	60.9	63.8	60.5	CNEL	67.7
								Ld	63.9
								Le	60.3
								Ln	60.9
								Ldaytime	63.8
								Lnighttime	60.5
Site I	G	85.2	81.4	77.8	78.4	81.3	78	CNEL	85.2
								Ld	81.4
								Le	77.8
								Ln	78.4
								Ldaytime	81.3
								Lnighttime	78

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice	63Hz dB(A)
Site J	G	75.3	71.5	67.9	68.5	71.4	68.1	CNEL	75.3
								Ld	71.5
								Le	67.9
								Ln	68.5
								Ldaytime	71.4
								Lnighttime	68.1
Site K	G	80.7	76.9	73.4	73.9	76.8	73.5	CNEL	80.7
								Ld	76.9
								Le	73.4
								Ln	73.9
								Ldaytime	76.8
								Lnighttime	73.5
Site L	G	63.6	59.8	56.3	56.8	59.8	56.4	CNEL	63.6
								Ld	59.8
								Le	56.3
								Ln	56.8
								Ldaytime	59.8
								Lnighttime	56.4
Site M	G	60.9	57.1	53.6	54.1	57.1	53.7	CNEL	60.9
								Ld	57.1
								Le	53.6
								Ln	54.1
								Ldaytime	57.1
								Lnighttime	53.7



**APPENDIX 4.10.4-3**

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***Construction Noise (Phase 2) Worksheets***

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice	63Hz dB(A)
Site 1	G	60	56.2	52.6	53.1	56.1	52.7	CNEL	60
								Ld	56.2
								Le	52.6
								Ln	53.1
								Ldaytime	56.1
								Lnighttime	52.7
Site 2	G	76.3	72.5	68.9	69.5	72.4	69.1	CNEL	76.3
								Ld	72.5
								Le	68.9
								Ln	69.5
								Ldaytime	72.4
								Lnighttime	69.1
Site 3	G	79	75.2	71.6	72.2	75.1	71.8	CNEL	79
								Ld	75.2
								Le	71.6
								Ln	72.2
								Ldaytime	75.1
								Lnighttime	71.8
Site 4	G	74.8	71	67.5	68	71	67.6	CNEL	74.8
								Ld	71
								Le	67.5
								Ln	68
								Ldaytime	71
								Lnighttime	67.6
Site 5	G	62.4	58.6	55	55.6	58.5	55.2	CNEL	62.4
								Ld	58.6
								Le	55
								Ln	55.6

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice 63Hz dB(A)	
								Ldaytime	Lnighttime
								58.5	55.2
Site A	G	61.6	57.8	54.3	54.8	57.8	54.4	CNEL	61.6
								Ld	57.8
								Le	54.3
								Ln	54.8
								Ldaytime	57.8
								Lnighttime	54.4
Site B	G	69.9	66.1	62.5	63.1	66	62.7	CNEL	69.9
								Ld	66.1
								Le	62.5
								Ln	63.1
								Ldaytime	66
								Lnighttime	62.7
Site C	G	90.3	86.5	83	83.5	86.4	83.1	CNEL	90.3
								Ld	86.5
								Le	83
								Ln	83.5
								Ldaytime	86.4
								Lnighttime	83.1
Site D	G	62.7	58.9	55.3	55.8	58.8	55.4	CNEL	62.7
								Ld	58.9
								Le	55.3
								Ln	55.8
								Ldaytime	58.8
								Lnighttime	55.4
Site E	G	61.1	57.3	53.8	54.3	57.2	53.9	CNEL	61.1
								Ld	57.3

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice 63Hz	dB(A)
								Le	53.8
								Ln	54.3
								Ldaytime	57.2
								Lnighttime	53.9
Site F	G	65.5	61.7	58.1	58.7	61.6	58.3	CNEL	65.5
								Ld	61.7
								Le	58.1
								Ln	58.7
								Ldaytime	61.6
								Lnighttime	58.3
Site G	G	70.7	66.9	63.3	63.9	66.8	63.5	CNEL	70.7
								Ld	66.9
								Le	63.3
								Ln	63.9
								Ldaytime	66.8
								Lnighttime	63.5
Site H	G	74.2	70.4	66.8	67.3	70.3	66.9	CNEL	74.2
								Ld	70.4
								Le	66.8
								Ln	67.3
								Ldaytime	70.3
								Lnighttime	66.9
Site I	G	84.7	80.9	77.3	77.9	80.8	77.5	CNEL	84.7
								Ld	80.9
								Le	77.3
								Ln	77.9
								Ldaytime	80.8
								Lnighttime	77.5

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice	63Hz dB(A)
Site J	G	63.6	59.8	56.2	56.8	59.7	56.4	CNEL	63.6
								Ld	59.8
								Le	56.2
								Ln	56.8
								Ldaytime	59.7
								Lnighttime	56.4
Site K	G	59.2	55.4	51.8	52.4	55.3	52	CNEL	59.2
								Ld	55.4
								Le	51.8
								Ln	52.4
								Ldaytime	55.3
								Lnighttime	52
Site L	G	62.1	58.3	54.7	55.3	58.2	54.9	CNEL	62.1
								Ld	58.3
								Le	54.7
								Ln	55.3
								Ldaytime	58.2
								Lnighttime	54.9
Site M	G	62.6	58.8	55.3	55.8	58.7	55.4	CNEL	62.6
								Ld	58.8
								Le	55.3
								Ln	55.8
								Ldaytime	58.7
								Lnighttime	55.4

**APPENDIX 4.10.4-4**

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***Construction Noise (Phase 3) Worksheets***

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice	63Hz dB(A)
Site 1	G	76.4	72.6	69.1	69.6	72.5	69.2	CNEL	76.4
								Ld	72.6
								Le	69.1
								Ln	69.6
								Ldaytime	72.5
								Lnighttime	69.2
Site 2	G	83.2	79.4	75.8	76.3	79.3	75.9	CNEL	83.2
								Ld	79.4
								Le	75.8
								Ln	76.3
								Ldaytime	79.3
								Lnighttime	75.9
Site 3	G	74.7	70.9	67.3	67.9	70.8	67.5	CNEL	74.7
								Ld	70.9
								Le	67.3
								Ln	67.9
								Ldaytime	70.8
								Lnighttime	67.5
Site 4	G	57.1	53.3	49.7	50.3	53.2	49.9	CNEL	57.1
								Ld	53.3
								Le	49.7
								Ln	50.3
								Ldaytime	53.2
								Lnighttime	49.9
Site 5	G	59.8	56	52.5	53	56	52.6	CNEL	59.8
								Ld	56
								Le	52.5
								Ln	53

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice 63Hz dB(A)	
								Ldaytime	Lnighttime
Site A	G	93.4	89.6	86	86.6	89.5	86.2	CNEL	93.4
								Ld	89.6
								Le	86
								Ln	86.6
								Ldaytime	89.5
								Lnighttime	86.2
Site B	G	87.3	83.5	80	80.5	83.5	80.1	CNEL	87.3
								Ld	83.5
								Le	80
								Ln	80.5
								Ldaytime	83.5
								Lnighttime	80.1
Site C	G	59.1	55.3	51.7	52.3	55.2	51.9	CNEL	59.1
								Ld	55.3
								Le	51.7
								Ln	52.3
								Ldaytime	55.2
								Lnighttime	51.9
Site D	G	60.7	56.9	53.3	53.9	56.8	53.5	CNEL	60.7
								Ld	56.9
								Le	53.3
								Ln	53.9
								Ldaytime	56.8
								Lnighttime	53.5
Site E	G	54.3	50.5	47	47.5	50.4	47.1	CNEL	54.3
								Ld	50.5



Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice 63Hz	dB(A)
								Le	47
								Ln	47.5
								Ldaytime	50.4
								Lnighttime	47.1
Site F	G	62.1	58.3	54.8	55.3	58.2	54.9	CNEL	62.1
								Ld	58.3
								Le	54.8
								Ln	55.3
								Ldaytime	58.2
								Lnighttime	54.9
Site G	G	64.7	60.9	57.4	57.9	60.8	57.5	CNEL	64.7
								Ld	60.9
								Le	57.4
								Ln	57.9
								Ldaytime	60.8
								Lnighttime	57.5
Site H	G	69.6	65.8	62.2	62.8	65.7	62.3	CNEL	69.6
								Ld	65.8
								Le	62.2
								Ln	62.8
								Ldaytime	65.7
								Lnighttime	62.3
Site I	G	85	81.2	77.7	78.2	81.1	77.8	CNEL	85
								Ld	81.2
								Le	77.7
								Ln	78.2
								Ldaytime	81.1
								Lnighttime	77.8

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice	63Hz dB(A)
Site J	G	82.8	79	75.4	76	78.9	75.5	CNEL	82.8
								Ld	79
								Le	75.4
								Ln	76
								Ldaytime	78.9
								Lnighttime	75.5
Site K	G	80.8	77	73.4	74	76.9	73.6	CNEL	80.8
								Ld	77
								Le	73.4
								Ln	74
								Ldaytime	76.9
								Lnighttime	73.6
Site L	G	64.5	60.7	57.1	57.7	60.6	57.2	CNEL	64.5
								Ld	60.7
								Le	57.1
								Ln	57.7
								Ldaytime	60.6
								Lnighttime	57.2
Site M	G	62.4	58.6	55.1	55.6	58.5	55.2	CNEL	62.4
								Ld	58.6
								Le	55.1
								Ln	55.6
								Ldaytime	58.5
								Lnighttime	55.2

**APPENDIX 4.10.4-5**

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***Construction Noise (Phase 4) Worksheets***

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice
Site 1	G	71.5	67.7	64.1	64.6	67.6	64.2	CNEL Ld Le Ln Ldaytime Lnighttime
Site 2	G	76	72.2	68.6	69.2	72.1	68.8	CNEL Ld Le Ln Ldaytime Lnighttime
Site 3	G	75	71.2	67.7	68.2	71.1	67.8	CNEL Ld Le Ln Ldaytime Lnighttime
Site 4	G	87	83.2	79.6	80.2	83.1	79.8	CNEL Ld Le Ln Ldaytime Lnighttime
Site 5	G	60.4	56.6	53	53.6	56.5	53.1	CNEL Ld Le Ln

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice Ldaytime Lnighttime
Site A	G	81	77.2	73.6	74.2	77.1	73.8	CNEL Ld Le Ln Ldaytime Lnighttime
Site B	G	76.9	73.1	69.6	70.1	73.1	69.7	CNEL Ld Le Ln Ldaytime Lnighttime
Site C	G	87.2	83.4	79.8	80.4	83.3	80	CNEL Ld Le Ln Ldaytime Lnighttime
Site D	G	60.4	56.6	53	53.6	56.5	53.2	CNEL Ld Le Ln Ldaytime Lnighttime
Site E	G	60.1	56.3	52.8	53.3	56.2	52.9	CNEL Ld

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice
								Le Ln Ldaytime Lnighttime
Site F	G	66.5	62.7	59.1	59.7	62.6	59.3	CNEL Ld Le Ln Ldaytime Lnighttime
Site G	G	71.2	67.4	63.9	64.4	67.4	64	CNEL Ld Le Ln Ldaytime Lnighttime
Site H	G	72.2	68.4	64.8	65.3	68.3	64.9	CNEL Ld Le Ln Ldaytime Lnighttime
Site I	G	69.7	65.9	62.3	62.9	65.8	62.5	CNEL Ld Le Ln Ldaytime Lnighttime

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/c	Lnighttime/dB(A)	Time slice
Site J	G	73.7	69.9	66.4	66.9	69.8	66.5	CNEL Ld Le Ln Ldaytime Lnighttime
Site K	G	77.3	73.5	70	70.5	73.4	70.1	CNEL Ld Le Ln Ldaytime Lnighttime
Site L	G	60.7	56.9	53.3	53.9	56.8	53.5	CNEL Ld Le Ln Ldaytime Lnighttime
Site M	G	60.8	57	53.5	54	56.9	53.6	CNEL Ld Le Ln Ldaytime Lnighttime

**APPENDIX 4.10.5**

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**Construction Vibration Worksheets**



Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	45	0.037	0.009	79
Jackhammer		1	0.035	45	0.014	0.004	71
Large bulldozer		1	0.089	45	0.037	0.009	79
Loaded trucks		1	0.076	45	0.031	0.008	78
Pile Drive (impact)		1	0.644	45	0.267	0.067	96
Vibratory Roller		1	0.210	45	0.087	0.022	87
Small bulldozer		1	0.003	45	0.001	0.000	50

\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.

-Fragile Buildings- 0.20 in/sec

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	70	0.019	0.005	74
Jackhammer		4	0.035	70	0.030	0.007	77
Large bulldozer		1	0.089	70	0.019	0.005	74
Loaded trucks		1	0.076	70	0.016	0.004	72
Pile Drive (impact)		1	0.644	70	0.137	0.034	91
Vibratory Roller		1	0.210	70	0.045	0.011	81
Small bulldozer		1	0.003	70	0.001	0.000	44

\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.  
-Fragile Buildings- 0.20 in/sec

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	135	0.007	0.002	65
Jackhammer		4	0.035	135	0.011	0.003	69
Large bulldozer		1	0.089	135	0.007	0.002	65
Loaded trucks		1	0.076	135	0.006	0.002	64
Pile Drive (impact)		1	0.644	135	0.051	0.013	82
Vibratory Roller		1	0.210	135	0.017	0.004	72
Small bulldozer		1	0.003	135	0.000	0.000	36

\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.

-Fragile Buildings- 0.20 in/sec

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	30	0.068	0.017	85
Jackhammer		4	0.035	30	0.107	0.027	89
Large bulldozer		1	0.089	30	0.068	0.017	85
Loaded trucks		1	0.076	30	0.058	0.014	83
Pile Drive (impact)		1	0.644	30	0.490	0.122	102
Vibratory Roller		1	0.210	30	0.160	0.040	92
Small bulldozer		1	0.003	30	0.002	0.001	55

\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.  
 -Fragile Buildings- 0.20 in/sec

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	75	0.017	0.004	73
Jackhammer		4	0.035	75	0.027	0.007	77
Large bulldozer		1	0.089	75	0.017	0.004	73
Loaded trucks		1	0.076	75	0.015	0.004	71
Pile Drive (impact)		1	0.644	75	0.124	0.031	90
Vibratory Roller		1	0.210	75	0.040	0.010	80
Small bulldozer		1	0.003	75	0.001	0.000	43

\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.

-Fragile Buildings- 0.20 in/sec

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	40	0.044	0.011	81
Jackhammer		4	0.035	40	0.069	0.017	85
Large bulldozer		1	0.089	40	0.044	0.011	81
Loaded trucks		1	0.076	40	0.038	0.009	79
Pile Drive (impact)		1	0.644	40	0.318	0.080	98
Vibratory Roller		1	0.210	40	0.104	0.026	88
Small bulldozer		1	0.003	40	0.001	0.000	51

**\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.**  
**-Fragile Buildings- 0.20 in/sec**

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	355	0.002	0.000	52
Jackhammer		4	0.035	355	0.003	0.001	56
Large bulldozer		1	0.089	355	0.002	0.000	52
Loaded trucks		1	0.076	355	0.001	0.000	51
Pile Drive (impact)		1	0.644	355	0.012	0.003	70
Vibratory Roller		1	0.210	355	0.004	0.001	60
Small bulldozer		1	0.003	355	0.000	0.000	23

\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.  
 -Fragile Buildings- 0.20 in/sec

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	380	0.002	0.000	51
Jackhammer		4	0.035	380	0.002	0.001	55
Large bulldozer		1	0.089	380	0.002	0.000	51
Loaded trucks		1	0.076	380	0.001	0.000	50
Pile Drive (impact)		1	0.644	380	0.011	0.003	69
Vibratory Roller		1	0.210	380	0.004	0.001	59
Small bulldozer		1	0.003	380	0.000	0.000	22

**\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.**  
**-Fragile Buildings- 0.20 in/sec**



Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	135	0.007	0.002	65
Jackhammer		4	0.035	135	0.011	0.003	69
Large bulldozer		1	0.089	135	0.007	0.002	65
Loaded trucks		1	0.076	135	0.006	0.002	64
Pile Drive (impact)		1	0.644	135	0.051	0.013	82
Vibratory Roller		1	0.210	135	0.017	0.004	72
Small bulldozer		1	0.003	135	0.000	0.000	36

**\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.**  
**-Fragile Buildings- 0.20 in/sec**

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	200	0.004	0.001	60
Jackhammer		4	0.035	200	0.006	0.002	64
Large bulldozer		1	0.089	200	0.004	0.001	60
Loaded trucks		1	0.076	200	0.003	0.001	58
Pile Drive (impact)		1	0.644	200	0.028	0.007	77
Vibratory Roller		1	0.210	200	0.009	0.002	67
Small bulldozer		1	0.003	200	0.000	0.000	30

\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.  
 -Fragile Buildings- 0.20 in/sec

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	470	0.001	0.000	49
Jackhammer		4	0.035	470	0.002	0.000	53
Large bulldozer		1	0.089	470	0.001	0.000	49
Loaded trucks		1	0.076	470	0.001	0.000	47
Pile Drive (impact)		1	0.644	470	0.008	0.002	66
Vibratory Roller		1	0.210	470	0.003	0.001	56
Small bulldozer		1	0.003	470	0.000	0.000	19

**\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.**  
**-Fragile Buildings- 0.20 in/sec**

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	50	0.031	0.008	78
Jackhammer		4	0.035	50	0.049	0.012	82
Large bulldozer		1	0.089	50	0.031	0.008	78
Loaded trucks		1	0.076	50	0.027	0.007	77
Pile Drive (impact)		1	0.644	50	0.228	0.057	95
Vibratory Roller		1	0.210	50	0.074	0.019	85
Small bulldozer		1	0.003	50	0.001	0.000	48

\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.  
 -Fragile Buildings- 0.20 in/sec

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	60	0.024	0.006	76
Jackhammer		4	0.035	60	0.038	0.009	79
Large bulldozer		1	0.089	60	0.024	0.006	76
Loaded trucks		1	0.076	60	0.020	0.005	74
Pile Drive (impact)		1	0.644	60	0.173	0.043	93
Vibratory Roller		1	0.210	60	0.056	0.014	83
Small bulldozer		1	0.003	60	0.001	0.000	46

\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.  
 -Fragile Buildings- 0.20 in/sec

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	1225	0.000	0.000	36
Jackhammer		4	0.035	1225	0.000	0.000	40
Large bulldozer		1	0.089	1225	0.000	0.000	36
Loaded trucks		1	0.076	1225	0.000	0.000	35
Pile Drive (impact)		1	0.644	1225	0.002	0.000	53
Vibratory Roller		1	0.210	1225	0.001	0.000	44
Small bulldozer		1	0.003	1225	0.000	0.000	7

**\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.**  
**-Fragile Buildings- 0.20 in/sec**

Equipment		Pieces of Equipment	PPV at 25 feet (in/sec)	Distance from Equipment	PPV at adjusted distance	RMS velocity amplitude in in/sec at adjusted distance <sup>a</sup>	RMS Vibration level in VdB at adjusted distance
Caisson drilling		1	0.089	2600	0.000	0.000	26
Jackhammer		4	0.035	2600	0.000	0.000	30
Large bulldozer		1	0.089	2600	0.000	0.000	26
Loaded trucks		1	0.076	2600	0.000	0.000	25
Pile Drive (impact)		1	0.644	2600	0.001	0.000	44
Vibratory Roller		1	0.210	2600	0.000	0.000	34
Small bulldozer		1	0.003	2600	0.000	0.000	-3

**\* Suggested Vibration Thresholds per the Federal Transit Administration, United States Department of Transportation, Transit Noise and Vibration Impact Assessment (FTA-VA-90-1003-06), May 2006, pg. 12-12.**  
**-Fragile Buildings- 0.20 in/sec**

**APPENDIX 4.10.6**

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**Operational Noise Worksheets**



**APPENDIX 4.10.6-1**

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***MSF Stationary Source Worksheets***

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice
Site 1	G	37.2	36	34.8	27	36	30.4	CNEL Ld Le Ln Ldaytime Lnighttime
Site 2	G	58.7	57.5	56.2	48.4	57.5	51.8	CNEL Ld Le Ln Ldaytime Lnighttime
Site 3	G	49.4	48.2	47	39.2	48.2	42.6	CNEL Ld Le Ln Ldaytime Lnighttime
Site 4	G	35	33.8	32.6	24.8	33.8	28.2	CNEL Ld Le Ln Ldaytime Lnighttime
Site 5	G	38.4	37.2	36	28.2	37.2	31.6	CNEL Ld Le Ln

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice
Site A	G	37.9	36.8	35.5	27.7	36.8	31.1	CNEL Ld Le Ln Ldaytime Lnighttime
Site B	G	47	45.9	44.6	36.8	45.9	40.2	CNEL Ld Le Ln Ldaytime Lnighttime
Site C	G	37	35.8	34.6	26.8	35.8	30.2	CNEL Ld Le Ln Ldaytime Lnighttime
Site D	G	39.2	38	36.7	29	38	32.4	CNEL Ld Le Ln Ldaytime Lnighttime
Site E	G	30.4	29.2	28	20.2	29.2	23.6	CNEL Ld

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice
								Le Ln Ldaytime Lnighttime
Site F	G	40.4	39.2	38	30.2	39.2	33.6	CNEL Ld Le Ln Ldaytime Lnighttime
Site G	G	43.3	42.1	40.9	33.1	42.1	36.5	CNEL Ld Le Ln Ldaytime Lnighttime
Site H	G	47.9	46.8	45.5	37.7	46.8	41.1	CNEL Ld Le Ln Ldaytime Lnighttime
Site I	G	67.8	66.6	65.3	57.6	66.6	60.9	CNEL Ld Le Ln Ldaytime Lnighttime

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/c	Lnighttime/dB(A)	Time slice
Site J	G	38.3	37.1	35.8	28	37.1	31.4	CNEL Ld Le Ln Ldaytime Lnighttime
Site K	G	35.6	34.4	33.1	25.3	34.4	28.7	CNEL Ld Le Ln Ldaytime Lnighttime
Site L	G	42.3	41.1	39.8	32.1	41.1	35.5	CNEL Ld Le Ln Ldaytime Lnighttime
Site M	G	38.5	37.4	36.1	28.3	37.4	31.7	CNEL Ld Le Ln Ldaytime Lnighttime



Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice	500Hz dB(A)
Site 1	G	54	48.4	48.2	47.3	48.4	47.6	CNEL	54
								Ld	48.4
								Le	48.2
								Ln	47.3
								Ldaytime	48.4
								Lnighttime	47.6
Site 2	G	55.1	49.5	49.3	48.4	49.5	48.6	CNEL	55.1
								Ld	49.5
								Le	49.3
								Ln	48.4
								Ldaytime	49.5
								Lnighttime	48.6
Site 3	G	55.8	50.3	50	49.2	50.3	49.4	CNEL	55.8
								Ld	50.3
								Le	50
								Ln	49.2
								Ldaytime	50.3
								Lnighttime	49.4
Site 4	G	46.8	41.3	41	40.2	41.3	40.4	CNEL	46.8
								Ld	41.3
								Le	41
								Ln	40.2
								Ldaytime	41.3
								Lnighttime	40.4
Site 5	G	30	24.5	24.2	23.4	24.5	23.6	CNEL	30
								Ld	24.5
								Le	24.2
								Ln	23.4

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice 500Hz dB(A)	
								Ldaytime	Lnighttime
Site A	G	47.5	41.9	41.7	40.8	41.9	41	CNEL	47.5
								Ld	41.9
								Le	41.7
								Ln	40.8
								Ldaytime	41.9
								Lnighttime	41
Site B	G	53.1	47.5	47.3	46.4	47.5	46.6	CNEL	53.1
								Ld	47.5
								Le	47.3
								Ln	46.4
								Ldaytime	47.5
								Lnighttime	46.6
Site C	G	47.5	41.9	41.7	40.8	41.9	41.1	CNEL	47.5
								Ld	41.9
								Le	41.7
								Ln	40.8
								Ldaytime	41.9
								Lnighttime	41.1
Site D	G	29.9	24.3	24.1	23.3	24.3	23.5	CNEL	29.9
								Ld	24.3
								Le	24.1
								Ln	23.3
								Ldaytime	24.3
								Lnighttime	23.5
Site E	G	30.8	25.2	25	24.2	25.2	24.4	CNEL	30.8
								Ld	25.2





Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice 500Hz	dB(A)
Site J	G	46.9	41.3	41.1	40.2	41.3	40.5	CNEL	46.9
								Ld	41.3
								Le	41.1
								Ln	40.2
								Ldaytime	41.3
								Lnighttime	40.5
Site K	G	44.8	39.2	39	38.1	39.2	38.4	CNEL	44.8
								Ld	39.2
								Le	39
								Ln	38.1
								Ldaytime	39.2
								Lnighttime	38.4
Site L	G	36	30.5	30.2	29.4	30.5	29.6	CNEL	36
								Ld	30.5
								Le	30.2
								Ln	29.4
								Ldaytime	30.5
								Lnighttime	29.6
Site M	G	33.3	27.8	27.5	26.7	27.8	26.9	CNEL	33.3
								Ld	27.8
								Le	27.5
								Ln	26.7
								Ldaytime	27.8
								Lnighttime	26.9

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice	500Hz dB(A)
Site 1	G	58.4	52.8	52.6	51.8	52.8	52	CNEL	58.4
								Ld	52.8
								Le	52.6
								Ln	51.8
								Ldaytime	52.8
								Lnighttime	52
Site 2	G	62.3	56.7	56.5	55.7	56.7	55.9	CNEL	62.3
								Ld	56.7
								Le	56.5
								Ln	55.7
								Ldaytime	56.7
								Lnighttime	55.9
Site 3	G	61.1	55.6	55.3	54.5	55.6	54.7	CNEL	61.1
								Ld	55.6
								Le	55.3
								Ln	54.5
								Ldaytime	55.6
								Lnighttime	54.7
Site 4	G	59	53.4	53.2	52.3	53.4	52.5	CNEL	59
								Ld	53.4
								Le	53.2
								Ln	52.3
								Ldaytime	53.4
								Lnighttime	52.5
Site 5	G	41.4	35.9	35.6	34.8	35.9	35	CNEL	41.4
								Ld	35.9
								Le	35.6
								Ln	34.8

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice 500Hz dB(A)	
								Ldaytime	Lnighttime
								35.9	35
Site A	G	57.2	51.7	51.4	50.6	51.7	50.8	CNEL	57.2
								Ld	51.7
								Le	51.4
								Ln	50.6
								Ldaytime	51.7
								Lnighttime	50.8
Site B	G	60.6	55	54.8	53.9	55	54.2	CNEL	60.6
								Ld	55
								Le	54.8
								Ln	53.9
								Ldaytime	55
								Lnighttime	54.2
Site C	G	58.8	53.2	53	52.2	53.2	52.4	CNEL	58.8
								Ld	53.2
								Le	53
								Ln	52.2
								Ldaytime	53.2
								Lnighttime	52.4
Site D	G	44	38.4	38.2	37.3	38.4	37.6	CNEL	44
								Ld	38.4
								Le	38.2
								Ln	37.3
								Ldaytime	38.4
								Lnighttime	37.6
Site E	G	43.8	38.3	38	37.2	38.3	37.4	CNEL	43.8
								Ld	38.3

Receiver	Fl	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice 500Hz dB(A)
								Le 38
								Ln 37.2
								Ldaytime 38.3
								Lnighttime 37.4
Site F	G	52.4	46.8	46.6	45.7	46.8	46	CNEL 52.4
								Ld 46.8
								Le 46.6
								Ln 45.7
								Ldaytime 46.8
								Lnighttime 46
Site G	G	58.6	53.1	52.8	52	53.1	52.2	CNEL 58.6
								Ld 53.1
								Le 52.8
								Ln 52
								Ldaytime 53.1
								Lnighttime 52.2
Site H	G	57.9	52.4	52.1	51.3	52.4	51.5	CNEL 57.9
								Ld 52.4
								Le 52.1
								Ln 51.3
								Ldaytime 52.4
								Lnighttime 51.5
Site I	G	56.1	50.6	50.3	49.5	50.6	49.7	CNEL 56.1
								Ld 50.6
								Le 50.3
								Ln 49.5
								Ldaytime 50.6
								Lnighttime 49.7

Receiver	FI	CNEL/dB(A)	Ld/dB(A)	Le/dB(A)	Ln/dB(A)	Ldaytime/dB(A)	Lnighttime/dB(A)	Time slice	500Hz dB(A)
Site J	G	55.8	50.2	50	49.2	50.2	49.4	CNEL	55.8
								Ld	50.2
								Le	50
								Ln	49.2
								Ldaytime	50.2
								Lnighttime	49.4
Site K	G	54.6	49	48.8	48	49	48.2	CNEL	54.6
								Ld	49
								Le	48.8
								Ln	48
								Ldaytime	49
								Lnighttime	48.2
Site L	G	43.5	38	37.7	36.9	38	37.1	CNEL	43.5
								Ld	38
								Le	37.7
								Ln	36.9
								Ldaytime	38
								Lnighttime	37.1
Site M	G	40.5	34.9	34.7	33.8	34.9	34	CNEL	40.5
								Ld	34.9
								Le	34.7
								Ln	33.8
								Ldaytime	34.9
								Lnighttime	34