

**Appendix I:
Noise Supporting Information**

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Noise Measurement Site A - looking north



Noise Measurement Site A - looking northeast



Noise Measurement Site A - looking east



Noise Measurement Site A - looking southeast



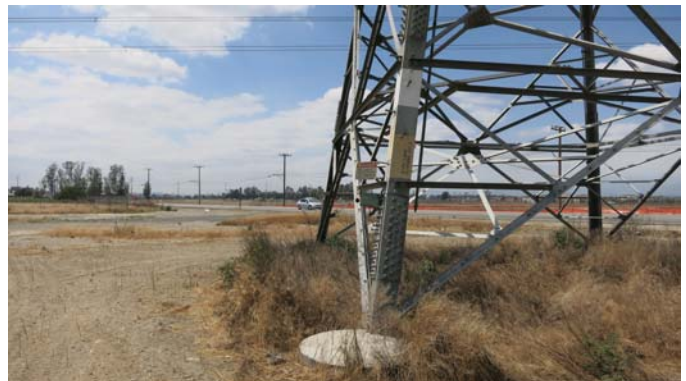
Noise Measurement Site A - looking south



Noise Measurement Site A - looking southwest



Noise Measurement Site A - looking west



Noise Measurement Site A - looking northwest



Noise Measurement Site B - looking north



Noise Measurement Site B - looking northeast



Noise Measurement Site B - looking east



Noise Measurement Site B - looking southeast



Noise Measurement Site B - looking south



Noise Measurement Site B - looking southwest



Noise Measurement Site B - looking west



Noise Measurement Site B - looking northwest



Noise Measurement Site C - looking north



Noise Measurement Site C - looking northeast



Noise Measurement Site C - looking east



Noise Measurement Site C - looking southeast



Noise Measurement Site C - looking south



Noise Measurement Site C - looking southwest



Noise Measurement Site C - looking west



Noise Measurement Site C - looking northwest



Noise Measurement Site D - looking north



Noise Measurement Site D - looking northeast



Noise Measurement Site D - looking east



Noise Measurement Site D - looking southeast



Noise Measurement Site D - looking south



Noise Measurement Site D - looking southwest



Noise Measurement Site D - looking west



Noise Measurement Site D - looking northwest



Noise Measurement Site M1 - looking north



Noise Measurement Site M1 - looking northeast



Noise Measurement Site M1 - looking east



Noise Measurement Site M1 - looking southeast



Noise Measurement Site M1 - looking south



Noise Measurement Site M1 - looking southwest



Noise Measurement Site M1 - looking west



Noise Measurement Site M1 - looking northwest

Site A - On power pole east of project site

Date	Time=05/05/15	2:05:00 PM
Sampling	Time=3	Freq Weighting=A Weighting=Slow
Record Num=	29800	CNEL(24hr)= 66.0
Leq	61.0	SEL Value=110.8 Ldn(24hr)= 65.7
MIN	31.6	Min Leq30min= 50.9 1:21:57 AM
MAX	81.7	Max Leq30min= 65.2 4:27:15 PM

Site A - On power pole east of project site

SPL	Time	Leq (30 Min Avg.)	Ldn	CNEL
63	14:05:00		63	63
61	14:05:03		61	61
63	14:05:06		63	63
62	14:05:09		62	62
61	14:05:12		61	61
66	14:05:15		66	66
72	14:05:18		72	72
68	14:05:21		68	68
70	14:05:24		70	70
71	14:05:27		71	71
67	14:05:30		67	67
64	14:05:33		64	64
63	14:05:36		63	63
62	14:05:39		62	62
68	14:05:42		68	68
64	14:05:45		64	64
68	14:05:48		68	68
62	14:05:51		62	62
67	14:05:54		67	67
66	14:05:57		66	66
61	14:06:00		61	61
69	14:06:03		69	69
64	14:06:06		64	64
65	14:06:09		65	65
65	14:06:12		65	65
65	14:06:15		65	65
64	14:06:18		64	64
67	14:06:21		67	67
68	14:06:24		68	68
66	14:06:27		66	66
65	14:06:30		65	65
71	14:06:33		71	71
65	14:06:36		65	65
59	14:06:39		59	59
63	14:06:42		63	63
61	14:06:45		61	61
62	14:06:48		62	62
63	14:06:51		63	63
63	14:06:54		63	63
64	14:06:57		64	64
61	14:07:00		61	61
56	14:07:03		56	56
56	14:07:06		56	56
61	14:07:09		61	61
58	14:07:12		58	58
59	14:07:15		59	59
53	14:07:18		53	53
52	14:07:21		52	52
54	14:07:24		54	54
62	14:07:27		62	62
59	14:07:30		59	59
57	14:07:33		57	57
59	14:07:36		59	59
58	14:07:39		58	58
60	14:07:42		60	60
54	14:07:45		54	54
54	14:07:48		54	54
53	14:07:51		53	53
56	14:07:54		56	56
58	14:07:57		58	58
63	14:08:00		63	63
65	14:08:03		65	65
63	14:08:06		63	63
58	14:08:09		58	58
53	14:08:12		53	53
52	14:08:15		52	52
51	14:08:18		51	51
52	14:08:21		52	52
63	14:08:24		63	63
60	14:08:27		60	60
53	14:08:30		53	53
54	14:08:33		54	54
56	14:08:36		56	56
60	14:08:39		60	60
60	14:08:42		60	60
55	14:08:45		55	55
57	14:08:48		57	57
58	14:08:51		58	58
57	14:08:54		57	57
61	14:08:57		61	61
62	14:09:00		62	62
52	14:09:03		52	52
57	14:09:06		57	57
61	14:09:09		61	61
62	14:09:12		62	62
63	14:09:15		63	63
55	14:09:18		55	55
55	14:09:21		55	55
54	14:09:24		54	54
60	14:09:27		60	60
61	14:09:30		61	61
67	14:09:33		67	67
62	14:09:36		62	62
58	14:09:39		58	58
59	14:09:42		59	59
57	14:09:45		57	57
59	14:09:48		59	59
63	14:09:51		63	63
63	14:09:54		63	63
63	14:09:57		63	63
64	14:10:00		64	64
63	14:10:03		63	63
61	14:10:06		61	61
60	14:10:09		60	60
61	14:10:12		61	61
61	14:10:15		61	61
56	14:10:18		56	56
55	14:10:21		55	55
54	14:10:24		54	54
57	14:10:27		57	57
62	14:10:30		62	62
59	14:10:33		59	59
55	14:10:36		55	55
52	14:10:39		52	52
61	14:10:42		61	61
63	14:10:45		63	63
66	14:10:48		66	66
65	14:10:51		65	65
62	14:10:54		62	62
57	14:10:57		57	57
57	14:11:00		57	57
62	14:11:03		62	62
62	14:11:06		62	62
63	14:11:09		63	63
65	14:11:12		65	65
65	14:11:15		65	65
64	14:11:18		64	64
65	14:11:21		65	65
65	14:11:24		65	65
68	14:11:27		68	68
68	14:11:30		68	68
65	14:11:33		65	65
66	14:11:36		66	66
62	14:11:39		62	62
62	14:11:42		62	62
61	14:11:45		61	61
61	14:11:48		61	61
63	14:11:51		63	63
65	14:11:54		65	65
63	14:11:57		63	63
63	14:12:00		63	63
63	14:12:03		63	63
61	14:12:06		61	61
62	14:12:09		62	62
62	14:12:12		62	62
61	14:12:15		61	61
57	14:12:18		57	57
57	14:12:21		57	57
58	14:12:24		58	58
59	14:12:27		59	59
60	14:12:30		60	60
59	14:12:33		59	59
62	14:12:36		62	62
61	14:12:39		61	61
61	14:12:42		61	61
61	14:12:45		61	61
65	14:12:48		65	65
63	14:12:51		63	63
68	14:12:54		68	68
63	14:12:57		63	63
62	14:13:00		62	62
61	14:13:03		61	61
58	14:13:06		58	58
56	14:13:09		56	56
60	14:13:12		60	60
60	14:13:15		60	60
58	14:13:18		58	58
56	14:13:21		56	56
58	14:13:24		58	58
57	14:13:27		57	57
61	14:13:30		61	61
58	14:13:33		58	58
61	14:13:36		61	61
61	14:13:39		61	61
62	14:13:42		62	62
62	14:13:45		62	62

Site B - On tree in NE corner of James Huber Park

Date	Time=05/05/15	2:21:00 PM
Sampling	Time=3	Freq Weighting=A Weighting=Slow
Record Num=	29600	CNEL(24hr)= 58.3
Leq	53.5	SEL Value=103.6 Ldn(24hr)= 57.9
MIN	35.1	Min Leq30min= 39.7 2:40:15 AM
MAX	76.9	Max Leq30min= 59.4 8:09:54 AM

Site B - On tree in NE corner of James Huber Park

SPL	Time	Leq (30 Min Avg.)	Ldn	CNEL
57	14:21:00		57	57
56	14:21:03		56	56
56	14:21:06		56	56
60	14:21:09		60	60
55	14:21:12		55	55
56	14:21:15		56	56
56	14:21:18		56	56
49	14:21:21		49	49
57	14:21:24		57	57
58	14:21:27		58	58
57	14:21:30		57	57
56	14:21:33		56	56
56	14:21:36		56	56
54	14:21:39		54	54
55	14:21:42		55	55
58	14:21:45		58	58
58	14:21:48		58	58
58	14:21:51		58	58
60	14:21:54		60	60
60	14:21:57		60	60
63	14:22:00		63	63
60	14:22:03		60	60
58	14:22:06		58	58
58	14:22:09		58	58
57	14:22:12		57	57
59	14:22:15		59	59
60	14:22:18		60	60
59	14:22:21		59	59
60	14:22:24		60	60
63	14:22:27		63	63
63	14:22:30		63	63
61	14:22:33		61	61
63	14:22:36		63	63
65	14:22:39		65	65
63	14:22:42		63	63
63	14:22:45		63	63
58	14:22:48		58	58
56	14:22:51		56	56
56	14:22:54		56	56
60	14:22:57		60	60
60	14:23:00		60	60
60	14:23:03		60	60
61	14:23:06		61	61
61	14:23:09		61	61
62	14:23:12		62	62
62	14:23:15		62	62
62	14:23:18		62	62
63	14:23:21		63	63
63	14:23:24		63	63
62	14:23:27		62	62
62	14:23:30		62	62
62	14:23:33		62	62
58	14:23:36		58	58
56	14:23:39		56	56
58	14:23:42		58	58
58	14:23:45		58	58
58	14:23:48		58	58
58	14:23:51		58	58
58	14:23:54		58	58
58	14:23:57		58	58
58	14:24:00		58	58
58	14:24:03		58	58
63	14:24:06		63	63
63	14:24:09		63	63
58	14:24:12		58	58
63	14:24:15		63	63
63	14:24:18		63	63
64	14:24:21		64	64
64	14:24:24		64	64
60	14:24:27		60	60
57	14:24:30		57	57
57	14:24:33		57	57
57	14:24:36		57	57
57	14:24:39		57	57
57	14:24:42		57	57
57	14:24:45		57	57
57	14:24:48		57	57
57	14:24:51		57	57
57	14:24:54		57	57
57	14:24:57		57	57
57	14:25:00		57	57
57	14:25:03		57	57
57	14:25:06		57	57
57	14:25:09		57	57
57	14:25:12		57	57
57	14:25:15		57	57
57	14:25:18		57	57
57				

Site A - On power pole east of project site

SPL	Time	Leq (30 Min Avg.)	Ldn	CNEL
62.9	14:1348		62.9	62.9
62.3	14:1351		62.3	62.3
63	14:1354		63	63
64.9	14:1357		64.9	64.9
61.3	14:1400		61.3	61.3
61.3	14:1403		61.3	61.3
60.9	14:1406		60.9	60.9
64.7	14:1409		64.7	64.7
65.1	14:1412		65.1	65.1
62	14:1415		62	62
63.9	14:1418		63.9	63.9
60.3	14:1421		60.3	60.3
61.5	14:1424		61.5	61.5
66.1	14:1427		66.1	66.1
63.2	14:1430		63.2	63.2
59.4	14:1433		59.4	59.4
58.8	14:1436		58.8	58.8
60.7	14:1439		60.7	60.7
59.4	14:1442		59.4	59.4
62.3	14:1445		62.3	62.3
63.9	14:1448		63.9	63.9
64.8	14:1451		64.8	64.8
62	14:1454		62	62
63.2	14:1457		63.2	63.2
61.3	14:1500		61.3	61.3
63.4	14:1503		63.4	63.4
59.1	14:1506		59.1	59.1
61.8	14:1509		61.8	61.8
54.8	14:1512		54.8	54.8
56.1	14:1515		56.1	56.1
60.9	14:1518		60.9	60.9
63.9	14:1521		63.9	63.9
57.3	14:1524		57.3	57.3
52.6	14:1527		52.6	52.6
51.2	14:1530		51.2	51.2
52.4	14:1533		52.4	52.4
56	14:1536		56	56
53.9	14:1539		53.9	53.9
53.3	14:1542		53.3	53.3
52.5	14:1545		52.5	52.5
52.5	14:1548		52.5	52.5
52.7	14:1551		52.7	52.7
54.1	14:1554		54.1	54.1
52.8	14:1557		52.8	52.8
53.9	14:1600		53.9	53.9
55.1	14:1603		55.1	55.1
63.9	14:1606		63.9	63.9
63.8	14:1609		63.8	63.8
61.8	14:1612		61.8	61.8
60.8	14:1615		60.8	60.8
62.5	14:1618		62.5	62.5
63.7	14:1621		63.7	63.7
72.8	14:1624		72.8	72.8
67	14:1627		67	67
57.5	14:1630		57.5	57.5
55.8	14:1633		55.8	55.8
55.2	14:1636		55.2	55.2
54.3	14:1639		54.3	54.3
60.8	14:1642		60.8	60.8
58.8	14:1645		58.8	58.8
62.9	14:1648		62.9	62.9
65.3	14:1651		65.3	65.3
64.4	14:1654		64.4	64.4
59.6	14:1700		59.6	59.6
60.9	14:1703		60.9	60.9
59.5	14:1706		59.5	59.5
58.8	14:1709		58.8	58.8
62.3	14:1712		62.3	62.3
62.8	14:1715		62.8	62.8
61.7	14:1718		61.7	61.7
57.1	14:1721		57.1	57.1
61	14:1724		61	61
62	14:1727		62	62
58.3	14:1730		58.3	58.3
59.5	14:1733		59.5	59.5
62.6	14:1736		62.6	62.6
64.4	14:1739		64.4	64.4
63.4	14:1742		63.4	63.4
64.2	14:1745		64.2	64.2
58.5	14:1748		58.5	58.5
66.3	14:1751		66.3	66.3
61.7	14:1754		61.7	61.7
59.1	14:1757		59.1	59.1
58.1	14:1800		58.1	58.1
52.9	14:1803		52.9	52.9
52.4	14:1806		52.4	52.4
52.2	14:1809		52.2	52.2
58.4	14:1812		58.4	58.4
57.1	14:1815		57.1	57.1
60.3	14:1818		60.3	60.3
59.2	14:1821		59.2	59.2
57.4	14:1824		57.4	57.4
61.8	14:1827		61.8	61.8
65.5	14:1830		65.5	65.5
61.5	14:1833		61.5	61.5
67.1	14:1836		67.1	67.1
64.3	14:1839		64.3	64.3
63.5	14:1842		63.5	63.5
68.7	14:1845		68.7	68.7
67.4	14:1848		67.4	67.4
65.5	14:1851		65.5	65.5
65.8	14:1854		65.8	65.8
68.9	14:1857		68.9	68.9
66.8	14:1900		66.8	66.8
60.8	14:1903		60.8	60.8
60	14:1906		60	60
62.8	14:1909		62.8	62.8
60.2	14:1912		60.2	60.2
60.4	14:1915		60.4	60.4
59	14:1918		59	59
59.2	14:1921		59.2	59.2
63.4	14:1924		63.4	63.4
58	14:1927		58	58
60.1	14:1930		60.1	60.1
63.2	14:1933		63.2	63.2
67.5	14:1936		67.5	67.5
61.4	14:1939		61.4	61.4
62.6	14:1942		62.6	62.6
63.2	14:1945		63.2	63.2
65.8	14:1948		65.8	65.8
59.6	14:1951		59.6	59.6
61	14:1954		61	61
63.3	14:1957		63.3	63.3
62.9	14:2000		62.9	62.9
64.2	14:2003		64.2	64.2
61.7	14:2006		61.7	61.7
64.3	14:2009		64.3	64.3
59.7	14:2012		59.7	59.7
58.6	14:2015		58.6	58.6
60.1	14:2018		60.1	60.1
59.1	14:2021		59.1	59.1
58.4	14:2024		58.4	58.4
65.3	14:2027		65.3	65.3
65	14:2030		65	65
66.9	14:2033		66.9	66.9
66.6	14:2036		66.6	66.6
62.3	14:2039		62.3	62.3
63.1	14:2042		63.1	63.1
60.8	14:2045		60.8	60.8
58.4	14:2048		58.4	58.4
59.4	14:2051		59.4	59.4
60.8	14:2054		60.8	60.8
60.8	14:2057		60.8	60.8
60.8	14:2100		60.8	60.8
61	14:2103		61	61
61.3	14:2106		61.3	61.3
61.3	14:2109		61.3	61.3
61.3	14:2112		61.3	61.3
59.9	14:2115		59.9	59.9
61.2	14:2118		61.2	61.2
58.4	14:2121		58.4	58.4
58.5	14:2124		58.5	58.5
58.5	14:2127		58.5	58.5
58.6	14:2130		58.6	58.6
58.2	14:2133		58.2	58.2
53.9	14:2136		53.9	53.9
56	14:2139		56	56
59.8	14:2142		59.8	59.8
56.7	14:2145		56.7	56.7
62.5	14:2148		62.5	62.5
55.4	14:2151		55.4	55.4
57.9	14:2154		57.9	57.9
55	14:2157		55	55
58.8	14:2200		58.8	58.8
57.2	14:2203		57.2	57.2
59.9	14:2206		59.9	59.9
65.4	14:2209		65.4	65.4
62.8	14:2212		62.8	62.8
62.8	14:2215		62.8	62.8
65.5	14:2218		65.5	65.5
59.1	14:2221		59.1	59.1
61	14:2224		61	61
62.5	14:2227		62.5	62.5
62.7	14:2230		62.7	62.7
62.7	14:2233		62.7	62.7
59.9	14:2236		59.9	59.9
61.9	14:2239		61.9	61.9
61.9	14:2242		61.9	61.9
57.2	14:2245		57.2	57.2
53.9	14:2248		53.9	53.9
62	14:2251		62	62
62.8	14:2254		62.8	62.8
52.6	14:2257		52.6	52.6
55	14:2300		55	55
54.7	14:2303		54.7	54.7
57.3	14:2306		57.3	57.3

Site B - On tree in NE corner of James Huber Park

SPL	Time	Leq (30 Min Avg.)	Ldn	CNEL
51.6	14:2948		51.6	51.6
52.8	14:2951		52.8	52.8
51.1	14:2954		51.1	51.1
53.5	14:2957		53.5	53.5
53.8	14:3000		53.8	53.8
50.8	14:3003		50.8	50.8
50.6	14:3006		50.6	50.6
49.3	14:3009		49.3	49.3
50.4	14:3012		50.4	50.4
48.9	14:3015		48.9	48.9
50.8	14:3018		50.8	50.8
52.1	14:3021		52.1	52.1
52.8	14:3024		52.8	52.8
54	14:3027		54	54
55.9	14:3030		55.9	55.9
52.6	14:3033		52.6	52.6
52	14:3036		52	52
52.3	14:3039		52.3	52.3
54	14:3042		54	54
52.5	14:3045		52.5	52.5
52.8	14:3048		52.8	52.8
58.1	14:3051		58.1	58.1
55.9	14:3054		55.9	55.9
56.3	14:3057		56.3	56.3
55.3	14:3100		55.3	55.3
53.4	14:3103		53.4	53.4
59	14:3106		59	59
61.5	14:3109		61.5	61.5
63.8	14:3112		63.8	63.8
71.9	14:3115		71.9	71.9
71.4	14:3118		71.4	71.4
74	14:3121		74	74
70.8	14:3124		70.8	70.8
64.9	14:3127		64.9	64.9
60.2	14:3130		60.2	60.2
60.6	14:3133		60.6	60.6
62	14:3136		62	62
58.9	14:3139		58.9	58.9
55.1	14:3142		55.1	55.1
54.4	14:3145		54.4	54.4
54.4	14:3148		54.4	54.4
53.4	14:3151		53.4	53.4
54.5	14:3154		54.5	54.5
53.5	14:3157		53.5	53.5
52.1	14:3200		52.1	52.1
54	14:3203		54	54
52.1	14:3206		52.1	52.1
52.4	14:3209		52.4	52.4
51.4	14:3212		51.4	51.4
51.5	14:3215		51.5	51.5
51.7	14:3218		51.7	51.7
51.6	14:3221		51.6	51.6
52.3	14:3224		52.3	52.3
50.4	14:3227		50.4	50.4
50	14:3230		50	50
49.7	14:3233		49.7	49.7
51.4	14:3236		51.4	51.4
51.2	14:3239		51.2	51.2
51.5	14:3242		51.5	51.5
50.5	14:3245		50.5	50.5
51.5	14:3248		51.5	51.5
52.8	14:3251		52.8	52.8
52.1	14:3254		52.1	52.1
51.3	14:3257		51.3	51.3
53	14:3300		53	53
53.8	14:3303		53.8	53.8
51.3	14:3306		51.3	51.3
51.8	14:3309		51.8	51.8
51.4	14:3312		51.4	51.4
50.8				

Site A - On power pole east of project site				Site B - On tree in NE corner of James Huber Park				Site C - On tree in SW corner of James Huber Park				Site D - On tree in front yard of home at Archbald & Limonite			
SPL	Time	Leq (30 Min Avg.)	Ldn CNEL	SPL	Time	Leq (30 Min Avg.)	Ldn CNEL	SPL	Time	Leq (30 Min Avg.)	Ldn CNEL	SPL	Time	Leq (30 Min Avg.)	Ldn CNEL
60.1	14:23:09	62.9	60.1	58.5	14:39:09	60.9	58.5	56.8	14:48:09	60.0	56.8	57.5	15:08:09	66.8	57.5
60.1	14:23:12	62.9	60.1	58.5	14:39:12	60.9	58.5	56.8	14:48:12	60.0	56.8	57.5	15:08:12	66.8	57.5
60.2	14:23:15	62.9	60.2	58.5	14:39:15	60.9	58.5	56.8	14:48:15	60.0	56.8	57.5	15:08:15	66.8	57.5
60.2	14:23:18	62.9	60.2	58.5	14:39:18	60.9	58.5	56.8	14:48:18	60.0	56.8	57.5	15:08:18	66.8	57.5
60.1	14:23:21	62.9	60.1	58.5	14:39:21	60.9	58.5	56.8	14:48:21	60.0	56.8	57.5	15:08:21	66.8	57.5
60.1	14:23:24	62.9	60.1	58.5	14:39:24	60.9	58.5	56.8	14:48:24	60.0	56.8	57.5	15:08:24	66.8	57.5
60.1	14:23:27	62.9	60.1	58.5	14:39:27	60.9	58.5	56.8	14:48:27	60.0	56.8	57.5	15:08:27	66.8	57.5
61.1	14:23:30	62.9	61.1	58.5	14:39:30	60.9	58.5	56.8	14:48:30	60.0	56.8	57.5	15:08:30	66.8	57.5
60.7	14:23:33	62.9	60.7	58.5	14:39:33	60.9	58.5	56.8	14:48:33	60.0	56.8	57.5	15:08:33	66.7	57.4
60.5	14:23:36	62.9	60.5	58.5	14:39:36	60.9	58.5	56.8	14:48:36	60.0	56.8	57.5	15:08:36	66.7	57.4
60.7	14:23:39	62.9	60.7	58.5	14:39:39	60.9	58.5	56.8	14:48:39	60.0	56.8	57.5	15:08:39	66.7	57.4
60.1	14:23:42	62.9	60.1	58.5	14:39:42	60.9	58.5	56.8	14:48:42	60.0	56.8	57.5	15:08:42	66.7	57.4
60.1	14:23:45	62.9	60.1	58.5	14:39:45	60.9	58.5	56.8	14:48:45	60.0	56.8	57.5	15:08:45	66.7	57.4
60.1	14:23:48	62.9	60.1	58.5	14:39:48	60.9	58.5	56.8	14:48:48	60.0	56.8	57.5	15:08:48	66.7	57.4
60.1	14:23:51	62.9	60.1	58.5	14:39:51	60.9	58.5	56.8	14:48:51	60.0	56.8	57.5	15:08:51	66.7	57.4
60.1	14:23:54	62.9	60.1	58.5	14:39:54	60.9	58.5	56.8	14:48:54	60.0	56.8	57.5	15:08:54	66.7	57.4
60.1	14:23:57	62.9	60.1	58.5	14:39:57	60.9	58.5	56.8	14:48:57	60.0	56.8	57.5	15:08:57	66.7	57.4
60.1	14:24:00	62.9	60.1	58.5	14:40:00	60.9	58.5	56.8	14:49:00	60.0	56.8	57.5	15:09:00	66.6	57.3
60.2	14:24:03	62.9	60.2	58.5	14:40:03	60.9	58.5	56.8	14:49:03	60.0	56.8	57.5	15:09:03	66.6	57.3
60.3	14:24:06	62.9	60.3	58.5	14:40:06	60.9	58.5	56.8	14:49:06	60.0	56.8	57.5	15:09:06	66.6	57.3
60.1	14:24:09	62.9	60.1	58.5	14:40:09	60.9	58.5	56.8	14:49:09	60.0	56.8	57.5	15:09:09	66.6	57.3
60.2	14:24:12	62.9	60.2	58.5	14:40:12	60.9	58.5	56.8	14:49:12	60.0	56.8	57.5	15:09:12	66.6	57.3
60.3	14:24:15	62.9	60.3	58.5	14:40:15	60.9	58.5	56.8	14:49:15	60.0	56.8	57.5	15:09:15	66.6	57.3
60.2	14:24:18	62.9	60.2	58.5	14:40:18	60.9	58.5	56.8	14:49:18	60.0	56.8	57.5	15:09:18	66.6	57.3
60.2	14:24:21	62.9	60.2	58.5	14:40:21	60.9	58.5	56.8	14:49:21	60.0	56.8	57.5	15:09:21	66.6	57.3
60.3	14:24:24	62.9	60.3	58.5	14:40:24	60.9	58.5	56.8	14:49:24	60.0	56.8	57.5	15:09:24	66.6	57.3
60.5	14:24:27	62.9	60.5	58.5	14:40:27	60.9	58.5	56.8	14:49:27	60.0	56.8	57.5	15:09:27	66.6	57.3
75.6	14:24:30	62.9	75.6	75.6	14:40:30	60.9	58.5	56.8	14:49:30	60.0	56.8	57.5	15:09:30	66.6	57.3
77.4	14:24:33	62.9	77.4	77.4	14:40:33	60.9	58.5	56.8	14:49:33	60.0	56.8	57.5	15:09:33	66.6	57.3
71	14:24:36	62.9	71	71	14:40:36	60.9	58.5	56.8	14:49:36	60.0	56.8	57.5	15:09:36	66.6	57.3
67	14:24:39	62.9	67	67	14:40:39	60.9	58.5	56.8	14:49:39	60.0	56.8	57.5	15:09:39	66.6	57.3
63.2	14:24:42	62.9	63.2	63.2	14:40:42	60.9	58.5	56.8	14:49:42	60.0	56.8	57.5	15:09:42	66.6	57.3
60.2	14:24:45	62.9	60.2	60.2	14:40:45	60.9	58.5	56.8	14:49:45	60.0	56.8	57.5	15:09:45	66.5	57.2
60.9	14:24:48	62.9	60.9	60.9	14:40:48	60.9	58.5	56.8	14:49:48	60.0	56.8	57.5	15:09:48	66.5	57.2
58	14:24:51	62.9	58	58	14:40:51	60.9	58.5	56.8	14:49:51	60.0	56.8	57.5	15:09:51	66.5	57.2
60.2	14:24:54	62.9	60.2	60.2	14:40:54	60.9	58.5	56.8	14:49:54	60.0	56.8	57.5	15:09:54	66.5	57.2
63.6	14:24:57	62.9	63.6	63.6	14:40:57	60.9	58.5	56.8	14:49:57	60.0	56.8	57.5	15:09:57	66.5	57.2
60	14:25:00	62.9	60	60	14:41:00	60.9	58.5	56.8	14:50:00	60.0	56.8	57.5	15:10:00	66.5	57.2
58.8	14:25:03	62.9	58.8	58.8	14:41:03	60.9	58.5	56.8	14:50:03	60.0	56.8	57.5	15:10:03	66.5	57.2
57.1	14:25:06	62.9	57.1	57.1	14:41:06	60.9	58.5	56.8	14:50:06	60.0	56.8	57.5	15:10:06	66.5	57.2
55.9	14:25:09	62.9	55.9	55.9	14:41:09	60.9	58.5	56.8	14:50:09	60.0	56.8	57.5	15:10:09	66.5	57.2
57	14:25:12	62.9	57	57	14:41:12	60.9	58.5	56.8	14:50:12	60.0	56.8	57.5	15:10:12	66.5	57.2
60.3	14:25:15	62.9	60.3	60.3	14:41:15	60.9	58.5	56.8	14:50:15	60.0	56.8	57.5	15:10:15	66.5	57.2
58.8	14:25:18	62.9	58.8	58.8	14:41:18	60.9	58.5	56.8	14:50:18	60.0	56.8	57.5	15:10:18	66.5	57.2
60.3	14:25:21	62.9	60.3	60.3	14:41:21	60.9	58.5	56.8	14:50:21	60.0	56.8	57.5	15:10:21	66.5	57.2
64.4	14:25:24	62.9	64.4	64.4	14:41:24	60.9	58.5	56.8	14:50:24	60.0	56.8	57.5	15:10:24	66.5	57.2
59.9	14:25:27	62.9	59.9	59.9	14:41:27	60.9	58.5	56.8	14:50:27	60.0	56.8	57.5	15:10:27	66.5	57.2
59.4	14:25:30	62.9	59.4	59.4	14:41:30	60.9	58.5	56.8	14:50:30	60.0	56.8	57.5	15:10:30	66.5	57.2
62.6	14:25:33	62.9	62.6	62.6	14:41:33	60.9	58.5	56.8	14:50:33	60.0	56.8	57.5	15:10:33	66.5	57.2
56.4	14:25:36	62.9	56.4	56.4	14:41:36	60.9	58.5	56.8	14:50:36	60.0	56.8	57.5	15:10:36	66.5	57.2
55.1	14:25:39	62.9	55.1	55.1	14:41:39	60.9	58.5	56.8	14:50:39	60.0	56.8	57.5	15:10:39	66.5	57.2
58.9	14:25:42	62.9	58.9	58.9	14:41:42	60.9	58.5	56.8	14:50:42	60.0	56.8	57.5	15:10:42	66.5	57.2
62.7	14:25:45	62.9	62.7	62.7	14:41:45	60.9	58.5	56.8	14:50:45	60.0	56.8	57.5	15:10:45	66.5	57.2
62.4	14:25:48	62.9	62.4	62.4	14:41:48	60.9	58.5	56.8	14:50:48	60.0	56.8	57.5	15:10:48	66.5	57.2
60.2	14:25:51	62.9	60.2	60.2	14:41:51	60.9	58.5	56.8	14:50:51	60.0	56.8	57.5	15:10:51	66.5	57.2
65.5	14:25:54	62.9	65.5	65.5	14:41:54	60.9	58.5	56.8	14:50:54	60.0	56.8	57.5	15:10:54	66.5	57.2
58.5	14:25:57	62.9	58.5	58.5	14:41:57	60.9	58.5	56.8	14:50:57	60.0	56.8	57.5	15:10:57	66.5	57.2
58.2	14:26:00	62.9	58.2	58.2	14:42:00	60.9	58.5	56.8	14:51:00	60.0	56.8	57.5	15:11:00	66.5	57.2
58.5	14:26:03	62.9	58.5	58.5	14:42:03	60.9	58.5	56.8	14:51:03	60.0	56.8	57.5	15:11:03	66.5	57.2
60	14:26:06	62.9	60	60	14:42:06	60.9	58.5	56.8	14:51:06	60.0	56.8	57.5	15:11:06	66.5	57.2
62	14:26:09	62.9	62	62	14:42:09	60.9	58.5	56.8	14:51:09	60.0	56.8	57.5	15:11:09	66.5	57.2
65	14:26:12	62.9	65	65	14:42:12	60.9	58.5	56.8	14:51:12	60.0	56.8	57.5	15:11:12	66.5	57.2
63.1	14:26:15	62.9	63.1	63.1	14:42:15	60.9	58.5	56.8	14:51:15	60.0	56.8	57.5	15:11:15	66.5	57.2
59.7	14:26:18	62.9	59.7	59.7	14:42:18	60.9	58.5	56.8	14:51:18	60.0	56.8	57.5	15:11:18	66.5	57.2
60	14:26:21	62.9	60	60	14:42:21	60.9	58.5	56.8	14:51:21	60.0	56.8	57.5	15:11:21	66.5	57.2
55.1	14:26:24	62.9	55.1	55.1	14:42:24	60.9	58.5	56.8	14:51:24	60.0	56.8	57.5	15:11:24	66.5	57.2
56.4	14:26:27	62.9	56.4	56.4	14:42:27	60.9	58.5	56.8	14:51:27	60.0	56.8	57.5	15:11:27	66.5	57.2
57.9	14:26:30	62.9	57.9	57.9	14:42:30	60.9	58.5	56.8	14:51:30	60.0	56.8	57.5	15:11:30	66.5	57.2
63.3	14:26:33	62.9	63.3	63.3	14:42:33	60.9	58.5	56.8	14:51:33	60.0	56.8	57.5	15:11:33	66.5	57.2
61.2	14:26:36	62.9	61.2	61.2	14:42:36	60.9	58.5	56.8	14:51:36	60.0	56.8	57.5	15:11:36	66.5	57.2
62.5	14:26:39	62.9	62.5	62.5	14:42:39	60.9	58.5	56.8	14:51:39	60.0	56.8	57.5	15:11:39	66.5	57.2
63.2	14:26:42	62.9	63.2	63.2	14:42:42	60.9	58.5	56.8	14:51:42	60.0	56.8	57.5	15:11:42	66.5	57.2
58.1	14:26:45	62.9	58.1	58.1	14:42:45	60.9	58.5	56.8	14:51:45	60.0	56.8	57.5	15:11:45	66.5	57.2
62.5	14:26:48	62.9	62.5	62.5	14:42:48	60.9	58.5	56.8	1						

Site A - On power pole east of project site

Table with columns: SPL, Time, Leq (30 Min Avg.), Ldn CNEL. Contains 97 rows of data for Site A.

Site B - On tree in NE corner of James Huber Park

Table with columns: SPL, Time, Leq (30 Min Avg.), Ldn CNEL. Contains 97 rows of data for Site B.

Site C - On tree in SW corner of James Huber Park

Table with columns: SPL, Time, Leq (30 Min Avg.), Ldn CNEL. Contains 97 rows of data for Site C.

Site D - On tree in front yard of home at Archbald & Limonite

Table with columns: SPL, Time, Leq (30 Min Avg.), Ldn CNEL. Contains 97 rows of data for Site D.

General Information

Serial Number 02509
Model 831
Firmware Version 2.301
Filename 831_Data.002
User GT
Job Description Eastvale Crossings
Location Under Power Lines

Measurement Description

Start Time Tuesday, 2015 May 05 15:00:42
Stop Time Tuesday, 2015 May 05 15:05:14
Duration 00:04:32.8
Run Time 00:04:32.8
Pause 00:00:00.0
Pre Calibration Tuesday, 2015 May 05 14:56:20
Post Calibration None
Calibration Deviation ---

Note

Captured noise from power lines
72F, 29.21 in Hg, 44% Hu., 8 mph wind, partly cloudy

Overall Data

LAeq		51.2	dB
LASmax	2015 May 05 15:01:48	54.4	dB
LApeak (max)	2015 May 05 15:04:08	69.5	dB
LASmin	2015 May 05 15:02:59	49.3	dB
LCeq		70.5	dB
LAeq		51.2	dB
LCeq - LAeq		19.3	dB
LA1eq		51.8	dB
LAeq		51.2	dB
LA1eq - LAeq		0.5	dB
Ldn		51.2	dB
LDay 07:00-23:00		51.2	dB
LNight 23:00-07:00		---	dB
Lden		51.2	dB
LDay 07:00-19:00		51.2	dB
LEvening 19:00-23:00		---	dB
LNight 23:00-07:00		---	dB
LAE		75.6	dB
# Overloads		0	
Overload Duration		0.0	s
# OBA Overloads		0	
OBA Overload Duration		0.0	s

Statistics

LAS5.00		52.9	dBA
LAS10.00		52.5	dBA
LAS33.30		51.5	dBA
LAS50.00		51.0	dBA
LAS66.60		50.5	dBA
LAS90.00		50.0	dBA
LAS > 65.0 dB (Exceedence Counts / Duration)		0 / 0.0	s
LAS > 85.0 dB (Exceedence Counts / Duration)		0 / 0.0	s
LApeak > 135.0 dB (Exceedence Counts / Duration)		0 / 0.0	s
LApeak > 137.0 dB (Exceedence Counts / Duration)		0 / 0.0	s
LApeak > 140.0 dB (Exceedence Counts / Duration)		0 / 0.0	s

Settings

RMS Weight	A Weighting
Peak Weight	A Weighting
Detector	Slow
Preamp	PRM831
Integration Method	Linear
OBA Range	Normal
OBA Bandwidth	1/1 and 1/3
OBA Freq. Weighting	Z Weighting
OBA Max Spectrum	Bin Max
Gain	+0 dB
Under Range Limit	26.2 dB
Under Range Peak	75.8 dB
Noise Floor	17.0 dB
Overload	143.3 dB

1/1 Spectra

Freq. (Hz):	8.0	16.0	31.5	63.0	125	250	500	1k	2k	4k	8k	16k
LZeq	80.2	74.6	68.4	63.4	57.2	47.0	44.2	45.3	44.1	43.5	42.6	43.4
LZSmax	89.9	83.8	78.4	72.3	64.8	56.2	50.0	49.2	46.9	46.0	43.3	43.5
LZSmin	66.6	60.8	56.6	55.2	47.4	39.9	40.5	41.3	43.1	42.9	42.3	43.2

1/3 Spectra

Freq. (Hz):	6.3	8.0	10.0	12.5	16.0	20.0	25.0	31.5	40.0	50.0	63.0	80.0
LZeq	76.8	75.1	74.0	71.4	69.8	67.5	65.4	63.4	60.8	58.8	57.8	59.1
LZSmax	85.7	84.8	84.4	81.7	80.4	77.7	76.2	74.1	72.0	68.0	69.4	71.3
LZSmin	62.8	60.2	59.4	54.8	51.0	51.9	52.1	50.5	49.9	50.3	47.8	45.9
Freq. (Hz):	100	125	160	200	250	315	400	500	630	800	1k	1.25k
LZeq	53.0	53.6	49.6	43.7	41.4	38.9	39.6	38.0	40.5	40.8	40.8	40.2
LZSmax	62.0	63.5	64.3	52.2	49.5	46.3	44.7	45.2	47.6	45.5	44.4	45.0
LZSmin	45.7	44.2	39.8	36.0	35.4	34.0	31.0	30.8	36.6	37.0	37.6	37.7
Freq. (Hz):	1.6k	2k	2.5k	3.15k	4k	5k	6.3k	8k	10k	12.5k	16k	20k
LZeq	39.5	39.2	39.2	39.2	38.8	38.3	38.0	37.9	37.7	37.9	38.3	39.7
LZSmax	44.0	41.1	41.4	41.7	42.4	40.1	39.5	39.3	39.0	38.2	39.0	40.1
LZSmin	37.9	38.1	37.4	38.3	37.8	37.3	37.6	37.5	37.4	37.6	38.1	39.5

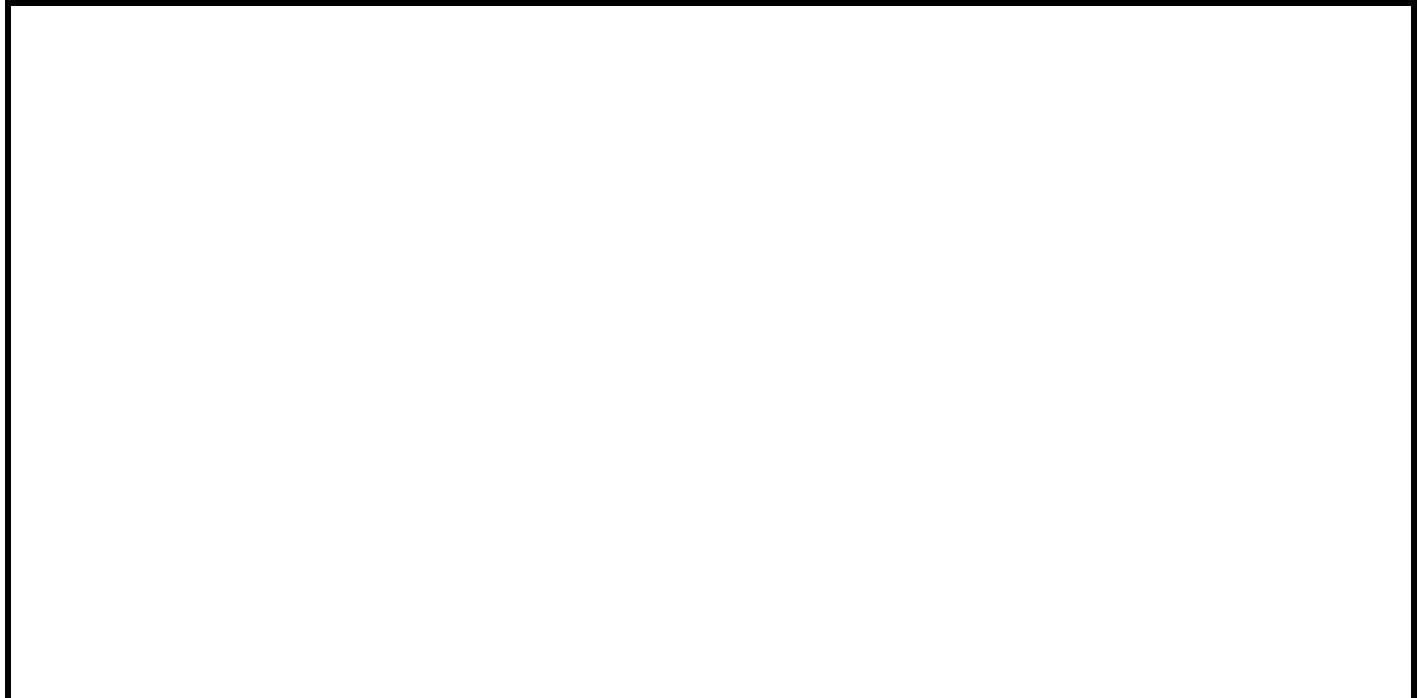
Calibration History

Preamp	Date	dB re. 1V/Pa
PRM831	05 May 2015 14:56:20	-25.8
PRM831	22 Apr 2015 08:42:55	-26.3
PRM831	17 Apr 2015 11:29:03	-26.3
PRM831	17 Apr 2015 09:59:48	-26.0
PRM831	17 Apr 2015 08:00:28	-26.0
PRM831	11 Aug 2061 15:40:00	-26.0
PRM831	15 Oct 2014 14:30:38	-26.0
PRM831	25 Sep 2014 14:36:25	-26.0
PRM831	19 Aug 2014 12:15:52	-25.6
PRM831	12 Aug 2014 17:21:24	-26.0
PRM831	17 Jul 2014 15:40:25	-24.9

Eastvale Crossings
Assessed receiver levels - Existing

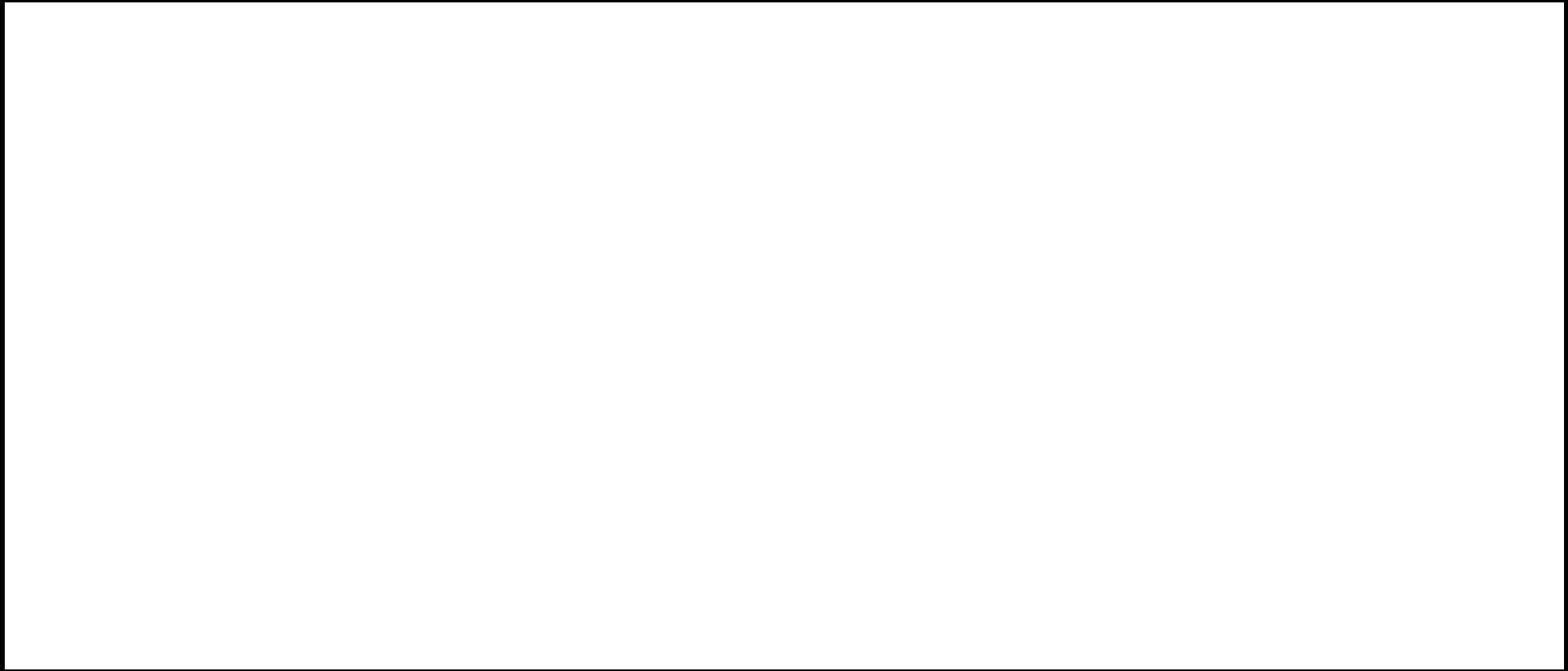
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Name	Usage	Floor	X m	Dir	Y m	Z m	Ldn dB(A)	Leq,d dB(A)	Leq,e dB(A)	Leq,n dB(A)
01 SFR	RS	G	604.2	N	766.0	1.7	59.2	55.3	53.8	51.8
02 SFR	RS	G	578.7	W	742.2	1.7	58.8	54.7	53.2	51.4
03 SFR	RS	G	529.8	NW	659.7	1.7	56.8	52.4	50.9	49.7
04 SFR	RS	G	483.5	W	583.0	1.7	55.7	50.8	49.4	48.7
05 SFR	RS	G	454.2	NW	534.9	1.7	55.6	50.6	49.2	48.6
06 Park	RS	G	308.9		455.1	1.5	56.9	52.0	51.5	49.7
07 SFR	RS	G	431.2	NW	363.6	1.7	50.4	47.1	44.5	42.9
08 SFR	RS	G	230.9	N	281.2	1.7	54.8	50.0	50.1	47.4
09 SFR	RS	G	113.2	N	251.7	1.7	61.0	55.5	56.5	53.8
10 SFR	RS	G	86.6	NW	248.2	1.7	64.3	58.6	59.5	57.2
11 SFR	RS	G	-9.5	E	715.3	1.7	67.8	63.2	64.8	60.0
12 SFR	RS	G	-5.9	E	775.1	1.7	68.0	63.5	65.0	60.3
13 SFR	RS	G	-1.4	E	869.0	1.7	68.8	64.2	65.9	61.0
A	RA	G	550.6		765.2	1.6	67.5	64.2	62.7	59.8
B	RA	G	410.8		497.6	1.6	56.8	51.9	51.0	49.7
C	RA	G	69.3		274.1	1.6	71.4	66.6	68.6	63.6
D	RA	G	9.8		789.2	1.6	70.5	65.9	67.5	62.7



Eastvale Crossings
Source level road - Existing

MSVges Night Veh/h	MSVges Day Veh/h	Pavement type	Road	KM km	ADT Veh/24h	Gradient %	
275.35	1106.82	Average (of DGAC and PCC)	Archibald Ave north of Limonite Ave	0.000	19200	0.0	
273.91	1101.06	Average (of DGAC and PCC)	Archibald Ave south of Limonite Ave	0.000	19100	0.0	
218.95	1066.22	Average (of DGAC and PCC)	Limonite Ave east of Archibald Ave	0.000	17100	0.0	



Eastvale Crossings

Octave spectra of the sources in dB(A) - Existing

3

Name	Source type	X m	Y m	Z m	l or A m,m ²	L'w dB(A)	Lw dB(A)	Day histogram	Spectrum	8Hz dB(A)	16Hz dB(A)	31Hz dB(A)	63Hz dB(A)	125Hz dB(A)	250Hz dB(A)	500Hz dB(A)	1kHz dB(A)	2kHz dB(A)	4kHz dB(A)	8kHz dB(A)	16kHz dB(A)
Aircraft	Line	249.1	609.8	275.0	971.92	89.5	119.	Aircraft	Aircraft	58.32	70.08	85.1	97.4	106.8	106.5	110.2	117.4	110.5	96.6	84.4	75.9
Power Lines	Line	348.3	599.3	15.2	1040.29	71.1	101.	100%/24h	Power Lines	54.11	68.30	78.3	87.7	90.3	86.8	90.6	94.7	94.6	93.9	90.9	86.3

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	First Carbon Solutions	1
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Eastvale Crossings
Assessed receiver levels - With Project Non-Transportation
Noise Sources Only

Name	Usage	Floor	X m	Dir	Y m	Z m	Ldn dB(A)	Leq,d dB(A)	Leq,e dB(A)	Leq,n dB(A)
01 SFR	RS	G	604.2	N	766.0	1.7	45.5	39.8	40.1	38.5
02 SFR	RS	G	578.7	W	742.2	1.7	52.0	45.7	46.2	45.1
03 SFR	RS	G	529.8	NW	659.7	1.7	54.2	48.1	48.5	47.3
04 SFR	RS	G	483.5	W	583.0	1.7	54.8	48.8	49.2	47.9
05 SFR	RS	G	454.2	NW	534.9	1.7	54.8	48.8	49.2	47.9
06 Park	RS	G	308.9		455.1	1.5	56.6	51.0	51.4	49.6
07 SFR	RS	G	431.2	NW	363.6	1.7	51.9	45.9	46.3	45.0
08 SFR	RS	G	230.9	N	281.2	1.7	50.8	44.8	45.2	43.8
09 SFR	RS	G	113.2	N	251.7	1.7	49.0	43.0	43.4	42.1
10 SFR	RS	G	86.6	NW	248.2	1.7	49.8	43.7	44.1	42.9
11 SFR	RS	G	-9.5	E	715.3	1.7	54.5	48.5	49.0	47.6
12 SFR	RS	G	-5.9	E	775.1	1.7	53.3	47.1	47.6	46.4
13 SFR	RS	G	-1.4	E	869.0	1.7	51.4	45.0	45.6	44.5



Eastvale Crossings

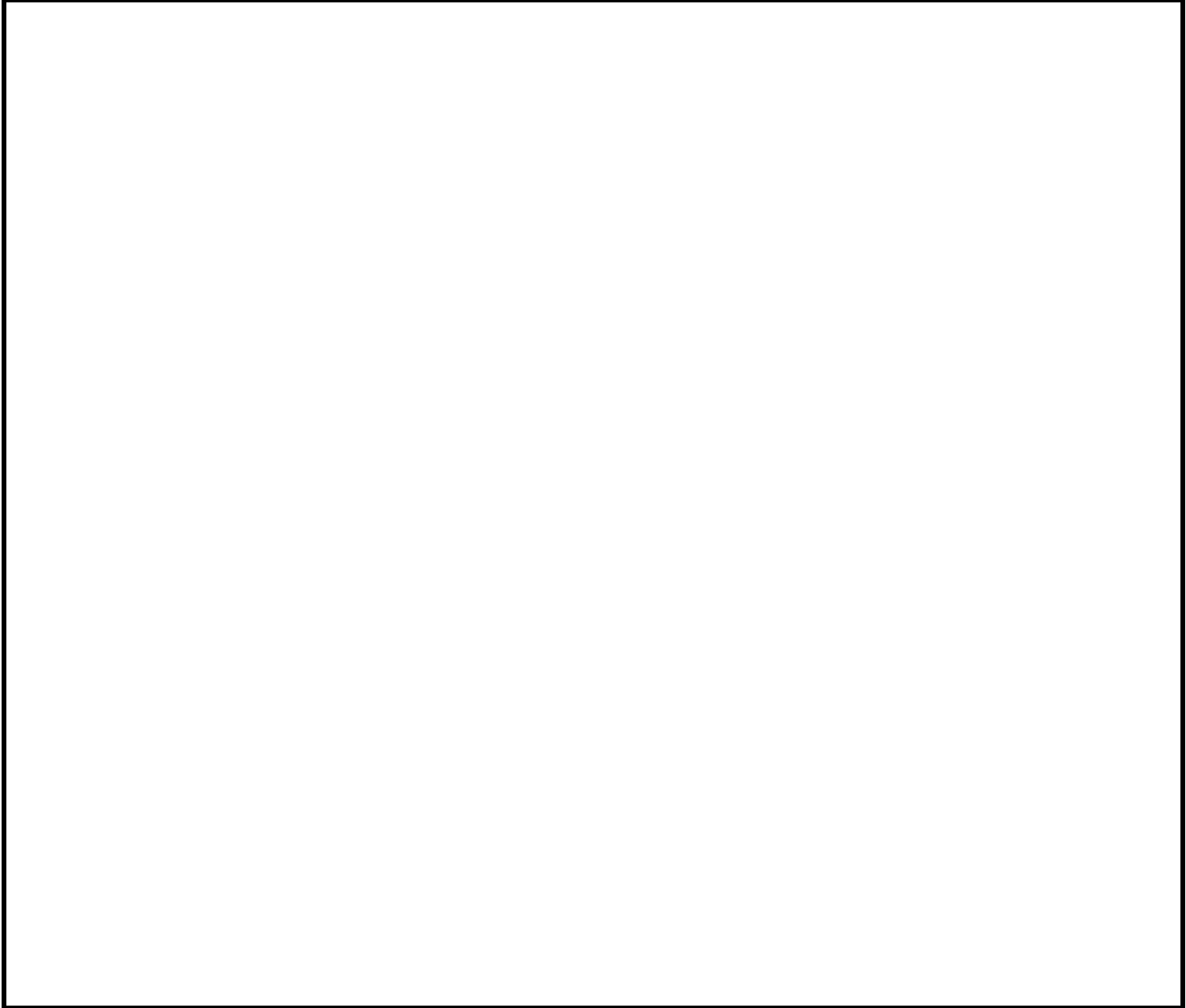
Octave spectra of the sources in dB(A) - With Project Non-Transportation Noise Sources Only

3

Name	Source type	X	Y	Z	I or A	L'w	Lw	Day histogram	Spectrum	16Hz	31Hz	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz
		m	m	m	m,m ²	dB(A)	dB(A)			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Carwash	Area	400.8	746.0	2.0	91.00	82.3	101.	Carwash	Carwash - Chevron Irvine	39.40	60.9	77.0	84.6	90.3	95.7	98.0	94.5	91.0	76.6	68.7
Drive thru Speaker Parcel 4	Area	65.6	578.4	0.0	1.32	81.8	83.0	Drive Thru Speaker	Drive Thru Speaker	36.72	57.6	69.7	75.6	73.3	75.3	77.2	75.3	70.1	61.4	48.3
Drive Thru Speaker Parcel 3	Area	76.6	656.0	1.0	1.45	81.4	83.0	Drive Thru Speaker	Drive Thru Speaker	36.72	57.6	69.7	75.6	73.3	75.3	77.2	75.3	70.1	61.4	48.3
HVAC Parcel 2	Area	411.3	752.8	7.5	10.93	13.3	23.7	Rooftop HVAC	Rooftop Refrigeration Unit		-15.7	-3.5	3.6	8.9	18.5	21.0	12.9	7.1	3.0	-5.1
HVAC Parcel 3	Area	76.8	638.5	7.5	24.18	13.3	27.1	Rooftop HVAC	Rooftop Refrigeration Unit		-12.3	0.0	7.1	12.3	22.0	24.4	16.4	10.5	6.4	-1.6
HVAC Parcel 4	Area	79.7	577.6	7.5	13.97	13.3	24.8	Rooftop HVAC	Rooftop Refrigeration Unit		-14.6	-2.4	4.7	9.9	19.6	22.0	14.0	8.2	4.0	-4.0
HVAC Parcel 5	Area	79.1	507.2	7.5	46.36	13.3	30.0	Rooftop HVAC	Rooftop Refrigeration Unit		-9.4	2.8	9.9	15.1	24.8	27.2	19.2	13.4	9.2	1.2
HVAC Walmart	Area	256.2	621.5	10.3	758.96	13.3	42.1	Rooftop HVAC	Rooftop Refrigeration Unit		2.7	14.9	22.0	27.3	36.9	39.4	31.3	25.5	21.4	13.3
Parcel 2 Tractor Trailer	Area	442.4	727.7	3.4	39.44	91.0	107.	Semi-Truck Parcel	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Parcel 2 Vendor Loading	Area	427.3	755.5	0.9	24.50	75.1	89.0	Vendor Parcels 2 4	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0	68.7	54.7
Parcel 3 Tractor Trailer	Area	90.6	637.1	3.4	39.44	91.0	107.	Semi-Truck Parcel	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Parcel 3 Vendor Loading	Area	90.9	647.3	0.9	24.50	75.1	89.0	Vendor Parcel 3	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0	68.7	54.7
Parcel 4 Tractor Trailer	Area	83.6	593.4	3.4	39.44	91.0	107.	Semi-Truck Parcel	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Parcel 5 Tractor Trailer	Area	98.3	509.2	3.4	39.44	91.0	107.	Semi-Truck Parcel	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Parcel 5 Vendor Loading	Area	97.5	524.7	0.9	24.50	75.1	89.0	Vendor Parcel 5	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0	68.7	54.7
Vendor Parcel 4	Area	71.5	592.5	0.9	21.00	75.8	89.0	Semi-Truck Parcel	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0	68.7	54.7
Walmart Garden Center	Area	351.5	659.6	0.9	295.38	-3.5	21.2	Garden Center	Garden Center Fresno			5.5	11.3	11.2	13.1	16.3	14.5	9.6	1.3	
Walmart Pallet Area	Area	220.4	531.8	1.0	117.81	81.3	102.	Forklift	Forklift Fresno North	38.27	63.8	78.9	86.3	87.8	97.0	96.1	95.6	92.9	79.1	63.7
Walmart Tractor-Trailer East	Area	295.1	571.2	3.4	600.83	79.2	107.	Semi-Truck	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Walmart Tractor-Trailer West	Area	212.4	555.0	3.4	600.83	79.2	107.	Semi-Truck	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Walmart Trash Compactor	Area	272.1	555.7	1.0	16.36	76.9	89.0	Trash Compactor	Trash Compactor	33.64	46.6	61.6	66.6	76.7	79.7	82.9	83.4	82.9	75.7	62.3
Walmart Vendor Loading	Area	253.5	551.8	0.9	136.34	67.7	89.0	Vendor Walmart	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0	68.7	54.7
Parcel 2 Parking Lot	Parking lot	439.2	753.5	0.5	1745.75	56.6	89.0	Parking Lot							89.0					
Parcel 5 Parking Lot	Parking lot	109.6	507.2	0.5	2015.67	58.7	91.8	Parking Lot							91.8					
Parcels 3 & 4 Parking Lot	Parking lot	92.2	610.9	0.5	1900.10	60.6	93.4	Parking Lot							93.4					
Walmart Parking Lot	Parking lot	235.9	703.4	0.5	31157.36	62.9	107.	Parking Lot							107.8					

Eastvale Crossings
Source level parking lots - With Project Non-Transportation Noise
Sources Only

Parking lot	PPT	KPA	KI	KD	TL	Unit B0	Size B
Walmart Parking Lot	Discounter	3.00	4.00	7.56	2	1 parking bay	1063.00
Parcel 2 Parking Lot	Discounter	3.00	4.00	3.54	2	1 parking bay	35.00
Parcels 3 & 4 Parking Lot	Discounter	3.00	4.00	4.57	2	1 parking bay	76.00
Parcel 5 Parking Lot	Discounter	3.00	4.00	4.20	2	1 parking bay	57.00



Maximum Noise Calculations

Stationary Noise Sources	Reference Distance		Nearest Sensitive Receptor		1 (Line source hard=0, soft=.5, Point source hard=1, soft=1.5)	Nearest Receptor											
	Distance	Lmax	Distance	Lmax			Without Wall Noise Level at Residence	With Wall Noise Level at Residence	Exterior Source Height (feet)	Exterior Observer Height (feet)	Source Frequency (hz)	barrier to receiver - b (all)	road to barrier - a	road to receiver - c	difference y =a+b-c (auto)	line of sight (slope)	fresnel
Rooftop HVAC	10	67.6	310	37.8	(eq. N-2141.2 of TeNS)	House											
Rooftop Refrigerati	10	77.9	350	47.0		Park											
Trash Compactor	10	73.8	330	43.4		Park											
Garden Center	5	95.1	520	54.8		House											
Parking Lot	5	86.9	270	52.3		House											
Vendor Truck Load	30	67.9	320	47.3		Park											
Tractor Trailer Truc	50	83.7	320	67.6		Park											
Forklift Operations	10	87.9	320	57.8		Park											
Drive-Thru Speaker	10	73.6	310	43.8		House											
Car Wash	10	79.9	500	45.9		House											
Stationary Noise Sources	Distance from Residence to Wall	Distance from source to Wall	Height of Wall (feet)	Without Wall Noise Level at Residence	With Wall Noise Level at Residence	Exterior Source Height (feet)	Exterior Observer Height (feet)	Source Frequency (hz)	barrier to receiver - b (all)	road to barrier - a	road to receiver - c	difference y =a+b-c (auto)	line of sight (slope)	fresnel	Barrier Atten		
Rooftop HVAC	10	300	4	37.8	29.3	31	5	800	10.0499	301.2125	311.0884	0.1740	1	0.494971	-8.45		
Rooftop Refrigerati	10	340	4	47.0	38.8	31	5	800	10.0499	341.0704	350.9644	0.1559	1	0.443346	-8.2		
Trash Compactor	10	320	0	43.4	43.4	3	5	800	11.1803	320.0141	330.0061	1.1883	-1	-3.380171	0		
Garden Center	510	10	6	54.8	44.0	3	5	800	510.0010	10.44031	520.0038	0.4374	1	1.244276	-10.78		
Parking Lot	10	260	0	52.3	52.3	3	5	800	11.1803	260.0173	270.0074	1.1902	-1	-3.385571	0		
Vendor Truck Load	10	310	0	47.3	47.3	8	5	800	11.1803	310.1032	320.0141	1.2695	-1	-3.610983	0		
Tractor Trailer Truc	310	10	8	67.6	67.4	11	5	800	310.0145	10.44031	320.0562	0.3986	-1	-1.133731	-0.186		
Forklift Operations	10	310	0	57.8	57.8	3	5	800	11.1803	310.0145	320.0062	1.1886	-1	-3.380923	0		
Drive-Thru Speaker	10	300	0	43.8	43.8	3	5	800	11.1803	300.015	310.0065	1.1889	-1	-3.381726	0		
Car Wash	10	490	6	45.9	39.5	3	5	800	10.0499	490.0092	500.004	0.0551	1	0.156613	-6.4		

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Vehicle Type	Vehicle Mix 1 (Local, Collector, Secondary)				Vehicle Mix 2 (Arterial, Major)				Vehicle Mix 3 (SR-83)			
	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	59.89%	12.27%	14.36%	86.52%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.90%	0.89%	2.48%	8.27%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	2.85%	0.27%	2.08%	5.21%

Road Name: Archibald Avenue **Segment: North of Riverside Drive**
 Average Daily Traffic: 25300 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	1.37	-1.12	-1.20	70.17	67.80	66.51	60.45	68.89	69.52	70 dBA:	69	75
Medium Trucks	78.79	-13.49	-1.12	-1.20	62.98	43.77	35.99	45.20	51.35	51.39	65 dBA:	149	163
Heavy Trucks	83.02	-11.27	-1.12	-1.20	69.43	52.44	44.65	53.86	60.02	60.05	60 dBA:	322	350
Total:					73.25	67.94	66.54	61.42	69.48	70.04	55 dBA:	693	755

Road Name: Archibald Avenue **Segment: North of Chino Avenue**
 Average Daily Traffic: 20500 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	0.46	-1.12	-1.20	69.26	66.89	65.59	59.54	67.97	68.60	70 dBA:	60	66
Medium Trucks	78.79	-14.41	-1.12	-1.20	62.07	42.86	35.08	44.29	50.44	50.47	65 dBA:	130	141
Heavy Trucks	83.02	-12.19	-1.12	-1.20	68.51	51.52	43.74	52.95	59.10	59.14	60 dBA:	279	304
Total:					72.34	67.03	65.63	60.51	68.57	69.13	55 dBA:	602	656

Road Name: Archibald Avenue **Segment: North of Edison Avenue**
 Average Daily Traffic: 15900 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	-0.64	-4.58	-1.20	64.69	62.32	61.03	54.97	63.41	64.04	70 dBA:	44	48
Medium Trucks	78.79	-15.51	-4.58	-1.20	57.50	38.29	30.51	39.72	45.87	45.91	65 dBA:	94	103
Heavy Trucks	83.02	-13.29	-4.58	-1.20	63.95	46.96	39.17	48.38	54.54	54.57	60 dBA:	203	222
Total:					67.77	62.46	61.06	55.94	64.00	64.56	55 dBA:	438	477

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: **Chino Avenue** Segment: **West of Archibald Avenue**
Average Daily Traffic: 3800 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 1 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.51 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	-5.64	-1.76	-1.20	58.76	56.63	55.32	49.31	57.73	58.35	70 dBA:	10	11
Medium Trucks	76.31	-22.88	-1.76	-1.20	50.47	29.22	35.24	16.95	30.09	32.84	65 dBA:	21	24
Heavy Trucks	81.16	-26.84	-1.76	-1.20	51.36	26.01	22.61	27.26	33.46	33.55	60 dBA:	46	51
	Total:				60.00	56.64	55.36	49.34	57.75	58.38	55 dBA:	99	109

Road Name: **Chino Avenue** Segment: **East of Archibald Avenue**
Average Daily Traffic: 4100 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.42 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	-5.56	-0.65	-1.20	59.95	57.57	56.28	50.23	58.66	59.29	70 dBA:	11	12
Medium Trucks	76.31	-20.43	-0.65	-1.20	54.03	34.82	27.04	36.25	42.40	42.44	65 dBA:	24	26
Heavy Trucks	81.16	-18.21	-0.65	-1.20	61.10	44.11	36.33	45.53	51.69	51.72	60 dBA:	51	56
	Total:				64.03	57.79	56.33	51.62	59.54	60.06	55 dBA:	110	120

Road Name: **Edison Avenue** Segment: **West of Archibald Avenue**
Average Daily Traffic: 7700 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 94.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-3.33	-4.27	-1.20	60.54	58.17	56.88	50.82	59.25	59.89	70 dBA:	21	23
Medium Trucks	77.62	-18.20	-4.27	-1.20	53.95	34.75	26.96	36.17	42.33	42.36	65 dBA:	46	50
Heavy Trucks	82.14	-15.98	-4.27	-1.20	60.69	43.70	35.92	45.13	51.28	51.32	60 dBA:	100	108
	Total:				64.07	58.34	56.92	51.98	59.97	60.52	55 dBA:	215	233

Road Name: **Edison Avenue** Segment: **East of Archibald Avenue**
Average Daily Traffic: 5500 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 84.12 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-4.55	-3.49	-1.20	60.10	57.98	56.67	50.66	59.08	59.70	70 dBA:	17	19
Medium Trucks	77.62	-21.79	-3.49	-1.20	51.14	29.89	35.92	17.62	30.77	33.52	65 dBA:	36	40
Heavy Trucks	82.14	-25.74	-3.49	-1.20	51.71	26.36	22.96	27.61	33.81	33.90	60 dBA:	78	86
	Total:				61.15	57.99	56.71	50.68	59.10	59.73	55 dBA:	169	186

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: **Merill Avenue** Segment: **West of Archibald Avenue**
Average Daily Traffic: 4600 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 50 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.36 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	-6.03	-0.02	-1.20	63.87	61.50	60.21	54.15	62.58	63.21	70 dBA:	18	19
Medium Trucks	78.79	-20.90	-0.02	-1.20	56.68	37.47	29.69	38.90	45.05	45.09	65 dBA:	38	41
Heavy Trucks	83.02	-18.68	-0.02	-1.20	63.12	46.13	38.35	47.56	53.71	53.75	60 dBA:	81	89
Total:					66.95	61.64	60.24	55.12	63.18	63.74	55 dBA:	176	191

Road Name: **Kimball Avenue** Segment: **West of Grove Avenue**
Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:					27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:	1	1

Road Name: **Kimball Avenue** Segment: **West of Flight Avenue**
Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:					27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:	1	1

Road Name: **Kimball Avenue** Segment: **West of Hellman Avenue**
Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:					27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:	1	1

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: **EXISTING (2014) CONDITIONS**

Project: **Eastvale Crossings**
Site Conditions: **Soft**

Road Name: **Limonite Avenue**

Segment: **West of Ontario Avenue**

Average Daily Traffic: 1 Vehicles

Vehicle Speed: 50 MPH

Vehicle Mix: 2

Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-42.66	-2.90	-1.20	24.37	22.00	20.70	14.65	23.08	23.71	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-2.90	-1.20	17.17	-2.03	-9.82	-0.61	5.55	5.58	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-2.90	-1.20	23.62	6.63	-1.15	8.06	14.21	14.24	60 dBA:	0	0
	Total:				27.45	22.14	20.73	15.61	23.68	24.24	55 dBA:	1	1

Road Name: **Limonite Avenue**

Segment: **West of Archibald Avenue**

Average Daily Traffic: 1 Vehicles

Vehicle Speed: 50 MPH

Vehicle Mix: 2

Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-42.66	-2.90	-1.20	24.37	22.00	20.70	14.65	23.08	23.71	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-2.90	-1.20	17.17	-2.03	-9.82	-0.61	5.55	5.58	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-2.90	-1.20	23.62	6.63	-1.15	8.06	14.21	14.24	60 dBA:	0	0
	Total:				27.45	22.14	20.73	15.61	23.68	24.24	55 dBA:	1	1

Road Name: **Limonite Avenue**

Segment: **East of Project Driveway 3**

Average Daily Traffic: 17100 Vehicles

Vehicle Speed: 45 MPH

Vehicle Mix: 2

Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	0.13	-2.90	-1.20	65.38	63.01	61.71	55.66	64.09	64.72	70 dBA:	41	44
Medium Trucks	77.62	-14.74	-2.90	-1.20	58.79	39.58	31.80	41.01	47.16	47.20	65 dBA:	87	95
Heavy Trucks	82.14	-12.52	-2.90	-1.20	65.53	48.54	40.76	49.97	56.12	56.15	60 dBA:	188	205
	Total:				68.91	63.18	61.75	56.81	64.81	65.35	55 dBA:	406	441

Road Name: **Limonite Avenue**

Segment: **East of Harrison Avenue**

Average Daily Traffic: 19200 Vehicles

Vehicle Speed: 50 MPH

Vehicle Mix: 2

Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	0.18	-3.81	-1.20	66.29	63.92	62.62	56.57	65.00	65.63	70 dBA:	51	55
Medium Trucks	78.79	-14.69	-3.81	-1.20	59.10	39.89	32.11	41.32	47.47	47.50	65 dBA:	110	119
Heavy Trucks	83.02	-12.47	-3.81	-1.20	65.54	48.55	40.77	49.98	56.13	56.17	60 dBA:	236	257
	Total:				69.37	64.06	62.66	57.54	65.60	66.16	55 dBA:	509	554

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Limonite Avenue **Segment: East of Lucretia Avenue**
Average Daily Traffic: 25600 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 190 FEET FROM CENTERLINE (Equiv. Lane Dist: 184.1 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	72.73	1.01	-8.59	-1.20	63.94	61.57	60.28	54.22	62.65	63.29	70 dBA:	66	73
Medium Trucks	79.85	-13.86	-8.59	-1.20	56.20	37.00	29.21	38.42	44.58	44.61	65 dBA:	143	156
Heavy Trucks	83.81	-11.64	-8.59	-1.20	62.38	45.39	37.61	46.82	52.97	53.01	60 dBA:	309	337
Total:					66.65	61.69	60.30	55.04	63.16	63.73	55 dBA:	665	726

Road Name: Limonite Avenue **Segment: East of Etiwanda Avenue**
Average Daily Traffic: 22600 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 51.87 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	71.12	0.88	-0.34	-1.20	70.46	68.09	66.80	60.74	69.17	69.80	70 dBA:	68	74
Medium Trucks	78.79	-13.98	-0.34	-1.20	63.27	44.06	36.28	45.49	51.64	51.67	65 dBA:	146	159
Heavy Trucks	83.02	-11.76	-0.34	-1.20	69.71	52.72	44.94	54.15	60.30	60.34	60 dBA:	314	342
Total:					73.54	68.23	66.83	61.71	69.77	70.33	55 dBA:	676	736

Road Name: 65th Street **Segment: East of Archibald Avenue**
Average Daily Traffic: 5800 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 60 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.99 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	69.34	-4.57	-0.72	-1.20	62.86	60.48	59.19	53.14	61.57	62.20	70 dBA:	18	20
Medium Trucks	77.62	-19.43	-0.72	-1.20	56.27	37.06	29.28	38.49	44.64	44.67	65 dBA:	40	43
Heavy Trucks	82.14	-17.21	-0.72	-1.20	63.00	46.02	38.23	47.44	53.60	53.63	60 dBA:	85	93
Total:					66.39	60.66	59.23	54.29	62.29	62.83	55 dBA:	184	200

Road Name: Pine Avenue **Segment: East of Euclid Avenue**
Average Daily Traffic: 19100 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	69.34	0.61	-2.39	-1.20	66.36	63.99	62.70	56.64	65.07	65.71	70 dBA:	39	43
Medium Trucks	77.62	-14.26	-2.39	-1.20	59.77	40.57	32.78	41.99	48.15	48.18	65 dBA:	85	92
Heavy Trucks	82.14	-12.04	-2.39	-1.20	66.51	49.52	41.74	50.95	57.10	57.14	60 dBA:	182	198
Total:					69.89	64.16	62.74	57.79	65.79	66.34	55 dBA:	393	427

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Pine Avenue **Segment: East of Mill Creek Road**
Average Daily Traffic: 20500 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	69.34	1.17	-4.43	-1.20	64.89	62.76	61.45	55.44	63.86	64.48	70 dBA:	39	43
Medium Trucks	77.62	-16.07	-4.43	-1.20	55.92	34.68	40.70	22.40	35.55	38.30	65 dBA:	84	93
Heavy Trucks	82.14	-20.03	-4.43	-1.20	56.49	31.14	27.74	32.39	38.59	38.68	60 dBA:	181	200
Total:					65.93	62.77	61.49	55.46	63.88	64.51	55 dBA:	391	430

Road Name: Pine Avenue **Segment: West of Hellman Avenue**
Average Daily Traffic: 23600 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	69.34	1.78	-2.86	-1.20	67.06	64.94	63.63	57.62	66.04	66.66	70 dBA:	44	48
Medium Trucks	77.62	-15.46	-2.86	-1.20	58.10	36.85	42.88	24.58	37.73	40.48	65 dBA:	94	104
Heavy Trucks	82.14	-19.42	-2.86	-1.20	58.67	33.32	29.92	34.57	40.76	40.86	60 dBA:	203	223
Total:					68.11	64.95	63.67	57.64	66.06	66.69	55 dBA:	437	481

Road Name: Schleisman Road **Segment: West of Archibald Avenue**
Average Daily Traffic: 27700 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	1.77	-2.90	-1.20	68.79	66.42	65.13	59.07	67.50	68.14	70 dBA:	67	73
Medium Trucks	78.79	-13.10	-2.90	-1.20	61.60	42.39	34.61	43.82	49.97	50.01	65 dBA:	145	158
Heavy Trucks	83.02	-10.88	-2.90	-1.20	68.04	51.05	43.27	52.48	58.64	58.67	60 dBA:	312	340
Total:					71.87	66.56	65.16	60.04	68.10	68.66	55 dBA:	672	733

Road Name: Schleisman Road **Segment: East of Archibald Avenue**
Average Daily Traffic: 19900 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	0.33	-2.90	-1.20	67.36	64.98	63.69	57.64	66.07	66.70	70 dBA:	54	59
Medium Trucks	78.79	-14.54	-2.90	-1.20	60.16	40.95	33.17	42.38	48.54	48.57	65 dBA:	116	127
Heavy Trucks	83.02	-12.32	-2.90	-1.20	66.61	49.62	41.84	51.05	57.20	57.23	60 dBA:	250	273
Total:					70.44	65.13	63.72	58.60	66.67	67.22	55 dBA:	539	588

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: **Schleisman Road** Segment: **East of Harrison Avenue**
Average Daily Traffic: 16200 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 51.87 ft)											Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels									
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	-0.56	-0.34	-1.20	69.01	66.64	65.35	59.30	67.73	68.36	70 dBA:	54	59
Medium Trucks	78.79	-15.43	-0.34	-1.20	61.82	42.61	34.83	44.04	50.19	50.23	65 dBA:	117	127
Heavy Trucks	83.02	-13.21	-0.34	-1.20	68.27	51.28	43.50	52.70	58.86	58.89	60 dBA:	251	274
Total:				72.10	66.78	65.38	60.26	68.32	68.88		55 dBA:	541	590

Road Name: **Chandler Street** Segment: **West of Archibald Avenue**
Average Daily Traffic: 6900 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Arterial

NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 73.32 ft)											Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels									
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	-3.81	-2.60	-1.20	61.74	59.36	58.07	52.02	60.45	61.08	70 dBA:	21	22
Medium Trucks	77.62	-18.68	-2.60	-1.20	55.15	35.94	28.16	37.37	43.52	43.55	65 dBA:	44	48
Heavy Trucks	82.14	-16.46	-2.60	-1.20	61.89	44.90	37.11	46.32	52.48	52.51	60 dBA:	96	104
Total:				65.27	59.54	58.11	53.17	61.17	61.71		55 dBA:	206	224

Road Name: **Chandler Street** Segment: **East of Archibald Avenue**
Average Daily Traffic: 7100 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)											Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels									
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	-3.69	-2.86	-1.20	61.60	59.23	57.93	51.88	60.31	60.94	70 dBA:	20	22
Medium Trucks	77.62	-18.55	-2.86	-1.20	55.01	35.80	28.02	37.23	43.38	43.42	65 dBA:	43	47
Heavy Trucks	82.14	-16.34	-2.86	-1.20	61.75	44.76	36.98	46.19	52.34	52.37	60 dBA:	94	102
Total:				65.13	59.40	57.97	53.03	61.03	61.57		55 dBA:	202	219

Road Name: **Corydon Avenue** Segment: **West of River Road**
Average Daily Traffic: 14100 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Collector

NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.51 ft)											Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels									
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	67.36	-0.20	-1.76	-1.20	64.20	61.83	60.54	54.48	62.91	63.54	70 dBA:	25	27
Medium Trucks	76.31	-15.06	-1.76	-1.20	58.29	39.08	31.30	40.51	46.66	46.69	65 dBA:	54	59
Heavy Trucks	81.16	-12.84	-1.76	-1.20	65.35	48.36	40.58	49.79	55.94	55.98	60 dBA:	116	126
Total:				68.28	62.04	60.58	55.88	63.79	64.32		55 dBA:	251	272

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Second Street

Segment: East of River Road

Average Daily Traffic: 12200 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 2

Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	65.11	-0.24	-0.04	-1.20	63.63	61.26	59.96	53.91	62.34	62.97	70 dBA:	20	22
Medium Trucks	74.83	-15.11	-0.04	-1.20	58.48	39.27	31.49	40.70	46.85	46.89	65 dBA:	43	47
Heavy Trucks	80.05	-12.89	-0.04	-1.20	65.92	48.93	41.15	50.35	56.51	56.54	60 dBA:	93	101
				Total:	68.40	61.53	60.03	55.64	63.44	63.95	55 dBA:	201	217

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Vehicle Type	Vehicle Mix 1 (Local, Collector, Secondary)				Vehicle Mix 2 (Arterial, Major)				Vehicle Mix 3 (SR-83)			
	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	59.89%	12.27%	14.36%	86.52%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.90%	0.89%	2.48%	8.27%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	2.85%	0.27%	2.08%	5.21%

Road Name: Archibald Avenue **Segment: North of Riverside Drive**
 Average Daily Traffic: 26400 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	1.56	-1.12	-1.20	70.36	67.99	66.69	60.64	69.07	69.70	70 dBA:	71	78
Medium Trucks	78.79	-13.31	-1.12	-1.20	63.17	43.96	36.18	45.38	51.54	51.57	65 dBA:	154	167
Heavy Trucks	83.02	-11.09	-1.12	-1.20	69.61	52.62	44.84	54.05	60.20	60.24	60 dBA:	331	360
Total:					73.44	68.13	66.73	61.60	69.67	70.23	55 dBA:	713	777

Road Name: Archibald Avenue **Segment: North of Chino Avenue**
 Average Daily Traffic: 22500 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	0.86	-1.12	-1.20	69.66	67.29	66.00	59.94	68.38	69.01	70 dBA:	64	70
Medium Trucks	78.79	-14.00	-1.12	-1.20	62.47	43.26	35.48	44.69	50.84	50.88	65 dBA:	138	150
Heavy Trucks	83.02	-11.78	-1.12	-1.20	68.92	51.93	44.15	53.35	59.51	59.54	60 dBA:	297	324
Total:					72.75	67.43	66.03	60.91	68.97	69.53	55 dBA:	641	698

Road Name: Archibald Avenue **Segment: North of Edison Avenue**
 Average Daily Traffic: 19000 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	0.13	-4.58	-1.20	65.47	63.10	61.80	55.75	64.18	64.81	70 dBA:	49	54
Medium Trucks	78.79	-14.74	-4.58	-1.20	58.27	39.07	31.28	40.49	46.65	46.68	65 dBA:	106	116
Heavy Trucks	83.02	-12.52	-4.58	-1.20	64.72	47.73	39.95	49.16	55.31	55.34	60 dBA:	229	249
Total:					68.55	63.24	61.83	56.71	64.78	65.33	55 dBA:	493	538

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Archibald Avenue Segment: North of Merrill Avenue
Average Daily Traffic: 21100 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	72.73	0.17	-3.81	-1.20	67.89	65.52	64.23	58.17	66.60	67.23	70 dBA:	64 70
Medium Trucks	79.85	-14.69	-3.81	-1.20	60.15	40.94	33.16	42.37	48.53	48.56	65 dBA:	138 151
Heavy Trucks	83.81	-12.48	-3.81	-1.20	66.33	49.34	41.56	50.77	56.92	56.96	60 dBA:	298 325
Total:					70.60	65.64	64.25	58.99	67.11	67.68	55 dBA:	642 700

Road Name: Archibald Avenue Segment: North of Limonite Avenue
Average Daily Traffic: 23600 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	71.12	1.07	-3.81	-1.20	67.19	64.81	63.52	57.47	65.90	66.53	70 dBA:	58 64
Medium Trucks	78.79	-13.79	-3.81	-1.20	59.99	40.78	33.00	42.21	48.37	48.40	65 dBA:	126 137
Heavy Trucks	83.02	-11.58	-3.81	-1.20	66.44	49.45	41.67	50.88	57.03	57.06	60 dBA:	271 295
Total:					70.27	64.96	63.55	58.43	66.50	67.05	55 dBA:	584 636

Road Name: Archibald Avenue Segment: South of Limonite Avenue
Average Daily Traffic: 23100 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	71.12	0.98	-1.79	-1.20	69.11	66.74	65.45	59.39	67.82	68.46	70 dBA:	63 68
Medium Trucks	78.79	-13.89	-1.79	-1.20	61.92	42.71	34.93	44.14	50.29	50.33	65 dBA:	135 147
Heavy Trucks	83.02	-11.67	-1.79	-1.20	68.36	51.38	43.59	52.80	58.96	58.99	60 dBA:	291 318
Total:					72.19	66.88	65.48	60.36	68.42	68.98	55 dBA:	628 684

Road Name: Archibald Avenue Segment: South of Project Driveway 1
Average Daily Traffic: 24300 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL
Automobiles	71.12	1.20	-1.79	-1.20	69.33	66.96	65.67	59.61	68.04	68.68	70 dBA:	65 71
Medium Trucks	78.79	-13.67	-1.79	-1.20	62.14	42.93	35.15	44.36	50.51	50.55	65 dBA:	140 152
Heavy Trucks	83.02	-11.45	-1.79	-1.20	68.58	51.59	43.81	53.02	59.18	59.21	60 dBA:	301 328
Total:					72.41	67.10	65.70	60.58	68.64	69.20	55 dBA:	649 708

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Archibald Avenue				Segment: South of 65th Street											
Average Daily Traffic: 25700 Vehicles				Vehicle Speed: 50 MPH				Vehicle Mix: 2		Roadway Classification: Urban Arterial					
NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to					
Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)					
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	1.44	-1.79	-1.20	69.58	67.20	65.91	59.86	68.29	68.92	70 dBA:	67	73		
Medium Trucks	78.79	-13.42	-1.79	-1.20	62.38	43.17	35.39	44.60	50.76	50.79	65 dBA:	145	158		
Heavy Trucks	83.02	-11.21	-1.79	-1.20	68.83	51.84	44.06	53.26	59.42	59.45	60 dBA:	313	341		
Total:				72.66	67.35	65.94	60.82	68.88	69.44	55 dBA:	674	735			

Road Name: Archibald Avenue				Segment: South of Schleisman Road											
Average Daily Traffic: 22800 Vehicles				Vehicle Speed: 50 MPH				Vehicle Mix: 2		Roadway Classification: Urban Arterial					
NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 70.82 ft)										Centerline Distance to					
Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)					
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	0.92	-2.37	-1.20	68.47	66.10	64.81	58.75	67.18	67.81	70 dBA:	60	66		
Medium Trucks	78.79	-13.94	-2.37	-1.20	61.28	42.07	34.29	43.50	49.65	49.68	65 dBA:	130	142		
Heavy Trucks	83.02	-11.73	-2.37	-1.20	67.72	50.73	42.95	52.16	58.31	58.35	60 dBA:	281	306		
Total:				71.55	66.24	64.84	59.72	67.78	68.34	55 dBA:	605	659			

Road Name: Archibald Avenue				Segment: South of Chandler Street											
Average Daily Traffic: 19200 Vehicles				Vehicle Speed: 50 MPH				Vehicle Mix: 2		Roadway Classification: Urban Arterial					
NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to					
Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)					
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	0.18	-1.79	-1.20	68.31	65.94	64.64	58.59	67.02	67.65	70 dBA:	56	60		
Medium Trucks	78.79	-14.69	-1.79	-1.20	61.12	41.91	34.13	43.34	49.49	49.52	65 dBA:	120	130		
Heavy Trucks	83.02	-12.47	-1.79	-1.20	67.56	50.57	42.79	52.00	58.15	58.19	60 dBA:	258	281		
Total:				71.39	66.08	64.68	59.56	67.62	68.18	55 dBA:	555	605			

Road Name: Archibald Avenue				Segment: North of River Road											
Average Daily Traffic: 19900 Vehicles				Vehicle Speed: 50 MPH				Vehicle Mix: 2		Roadway Classification: Urban Arterial					
NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to					
Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)					
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	0.33	-3.81	-1.20	66.45	64.07	62.78	56.73	65.16	65.79	70 dBA:	52	57		
Medium Trucks	78.79	-14.54	-3.81	-1.20	59.25	40.04	32.26	41.47	47.63	47.66	65 dBA:	112	122		
Heavy Trucks	83.02	-12.32	-3.81	-1.20	65.70	48.71	40.93	50.13	56.29	56.32	60 dBA:	242	264		
Total:				69.53	64.21	62.81	57.69	65.75	66.31	55 dBA:	521	568			

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: River Road		Segment: North of Bluff Street									
Average Daily Traffic: 23200 Vehicles		Vehicle Speed: 55 MPH		Vehicle Mix: 2							
				Roadway Classification: Major							
	NOISE PARAMETERS AT 160 FEET FROM CENTERLINE (Equiv. Lane Dist: 158.19 ft)								Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL
Automobiles	72.73	0.58	-7.61	-1.20	64.50	62.13	60.84	54.78	63.22	63.85	70 dBA: 61 67
Medium Trucks	79.85	-14.28	-7.61	-1.20	56.76	37.56	29.77	38.98	45.14	45.17	65 dBA: 131 143
Heavy Trucks	83.81	-12.06	-7.61	-1.20	62.94	45.95	38.17	47.38	53.54	53.57	60 dBA: 283 309
	Total:				67.21	62.25	60.86	55.60	63.72	64.29	55 dBA: 610 666

Road Name: River Road		Segment: South of Bluff Street									
Average Daily Traffic: 22400 Vehicles		Vehicle Speed: 45 MPH		Vehicle Mix: 2							
				Roadway Classification: Major							
	NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 81.54 ft)								Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL
Automobiles	69.34	1.30	-3.29	-1.20	66.16	63.79	62.49	56.44	64.87	65.50	70 dBA: 43 47
Medium Trucks	77.62	-13.56	-3.29	-1.20	59.57	40.36	32.58	41.79	47.94	47.98	65 dBA: 93 101
Heavy Trucks	82.14	-11.35	-3.29	-1.20	66.31	49.32	41.54	50.74	56.90	56.93	60 dBA: 200 218
	Total:				69.69	63.96	62.53	57.59	65.59	66.13	55 dBA: 432 469

Road Name: River Road		Segment: South of Coydon Avenue									
Average Daily Traffic: 24500 Vehicles		Vehicle Speed: 45 MPH		Vehicle Mix: 2							
				Roadway Classification: Major							
	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)								Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL
Automobiles	69.34	1.69	-2.86	-1.20	66.98	64.61	63.31	57.26	65.69	66.32	70 dBA: 46 50
Medium Trucks	77.62	-13.17	-2.86	-1.20	60.39	41.18	33.40	42.61	48.76	48.80	65 dBA: 99 108
Heavy Trucks	82.14	-10.96	-2.86	-1.20	67.13	50.14	42.36	51.56	57.72	57.75	60 dBA: 214 233
	Total:				70.51	64.78	63.35	58.41	66.41	66.95	55 dBA: 461 501

Road Name: River Road		Segment: South of Second Street									
Average Daily Traffic: 20400 Vehicles		Vehicle Speed: 45 MPH		Vehicle Mix: 1							
				Roadway Classification: Major							
	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft)								Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL
Automobiles	69.34	1.15	-2.39	-1.20	66.90	64.77	63.46	57.45	65.87	66.50	70 dBA: 40 44
Medium Trucks	77.62	-16.09	-2.39	-1.20	57.94	36.69	42.71	24.41	37.56	40.31	65 dBA: 86 95
Heavy Trucks	82.14	-20.05	-2.39	-1.20	58.50	33.15	29.75	34.40	40.60	40.69	60 dBA: 185 204
	Total:				67.94	64.78	63.50	57.47	65.89	66.52	55 dBA: 399 439

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Harrison Avenue **Segment: North of Limonite Avenue**
Average Daily Traffic: 2400 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Local

Vehicle Type	NOISE PARAMETERS AT 50 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.51 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels							
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	59.44	-5.60	-0.04	-1.20	52.60	50.48	49.17	43.16	51.58	52.20	70 dBA: 3	3
Medium Trucks	71.09	-22.83	-0.04	-1.20	47.01	25.76	31.79	13.49	26.64	29.39	65 dBA: 6	7
Heavy Trucks	78.74	-26.79	-0.04	-1.20	50.71	25.36	21.96	26.61	32.81	32.90	60 dBA: 14	15
Total:					55.44	50.51	49.26	43.26	51.65	52.28	55 dBA: 30	33

Road Name: Harrison Avenue **Segment: South of Limonite Avenue**
Average Daily Traffic: 7000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.76 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels							
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	-3.75	-1.89	-1.20	62.51	60.14	58.84	52.79	61.22	61.85	70 dBA: 20	22
Medium Trucks	77.62	-18.62	-1.89	-1.20	55.92	36.71	28.93	38.14	44.29	44.33	65 dBA: 44	48
Heavy Trucks	82.14	-16.40	-1.89	-1.20	62.66	45.67	37.89	47.09	53.25	53.28	60 dBA: 94	102
Total:					66.04	60.31	58.88	53.94	61.94	62.48	55 dBA: 203	221

Road Name: Sumner Avenue **Segment: North of Limonite Avenue**
Average Daily Traffic: 8000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.74 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels							
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	-3.17	-3.69	-1.20	61.28	58.91	57.62	51.56	60.00	60.63	70 dBA: 22	24
Medium Trucks	77.62	-18.04	-3.69	-1.20	54.69	35.49	27.70	36.91	43.07	43.10	65 dBA: 47	51
Heavy Trucks	82.14	-15.82	-3.69	-1.20	61.43	44.44	36.66	45.87	52.02	52.06	60 dBA: 100	109
Total:					64.81	59.08	57.66	52.72	60.71	61.26	55 dBA: 216	235

Road Name: Sumner Avenue **Segment: South of Limonite Avenue**
Average Daily Traffic: 9700 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 81.54 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels							
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	-2.08	-3.29	-1.20	62.77	60.65	59.34	53.32	61.74	62.37	70 dBA: 24	26
Medium Trucks	77.62	-19.32	-3.29	-1.20	53.81	32.56	38.58	20.29	33.43	36.19	65 dBA: 52	57
Heavy Trucks	82.14	-23.28	-3.29	-1.20	54.37	29.02	25.62	30.27	36.47	36.57	60 dBA: 111	123
Total:					63.82	60.66	59.37	53.35	61.76	62.39	55 dBA: 240	264

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Wineville Avenue **Segment: South of Limonite Avenue**
Average Daily Traffic: 4700 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-5.48	-2.86	-1.20	59.81	57.44	56.14	50.09	58.52	59.15	70 dBA:	15	17
Medium Trucks	77.62	-20.35	-2.86	-1.20	53.22	34.01	26.23	35.44	41.59	41.63	65 dBA:	33	36
Heavy Trucks	82.14	-18.13	-2.86	-1.20	59.96	42.97	35.19	44.39	50.55	50.58	60 dBA:	71	77
Total:					63.34	57.61	56.18	51.24	59.24	59.78	55 dBA:	153	167

Road Name: Etiwanda Avenue **Segment: North of Limonite Avenue**
Average Daily Traffic: 14400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 150 FEET FROM CENTERLINE (Equiv. Lane Dist: 146.55 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-0.37	-7.11	-1.20	60.67	58.55	57.23	51.22	59.64	60.27	70 dBA:	31	34
Medium Trucks	77.62	-17.61	-7.11	-1.20	51.71	30.46	36.48	18.19	31.33	34.08	65 dBA:	66	73
Heavy Trucks	82.14	-21.56	-7.11	-1.20	52.27	26.92	23.52	28.17	34.37	34.46	60 dBA:	142	157
Total:					61.71	58.56	57.27	51.24	59.66	60.29	55 dBA:	307	338

Road Name: Riverside Drive **Segment: West of Archibald Avenue**
Average Daily Traffic: 22600 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 60 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.99 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	1.59	-0.72	-1.20	69.01	66.89	65.58	59.56	67.98	68.61	70 dBA:	44	49
Medium Trucks	77.62	-15.65	-0.72	-1.20	60.05	38.80	44.82	26.53	39.67	42.43	65 dBA:	95	105
Heavy Trucks	82.14	-19.60	-0.72	-1.20	60.61	35.26	31.86	36.51	42.71	42.81	60 dBA:	205	226
Total:					70.06	66.90	65.61	59.59	68.00	68.63	55 dBA:	442	486

Road Name: Riverside Drive **Segment: East of Archibald Avenue**
Average Daily Traffic: 21400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.76 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	1.35	-1.89	-1.20	67.61	65.49	64.17	58.16	66.58	67.21	70 dBA:	42	46
Medium Trucks	77.62	-15.89	-1.89	-1.20	58.65	37.40	43.42	25.13	38.27	41.02	65 dBA:	89	99
Heavy Trucks	82.14	-19.84	-1.89	-1.20	59.21	33.86	30.46	35.11	41.31	41.41	60 dBA:	193	212
Total:					68.65	65.50	64.21	58.19	66.60	67.23	55 dBA:	415	458

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Chino Avenue Segment: West of Archibald Avenue
Average Daily Traffic: 4200 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 1 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.51 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	-5.21	-1.76	-1.20	59.19	57.07	55.75	49.74	58.16	58.79	70 dBA:	11	12
Medium Trucks	76.31	-22.45	-1.76	-1.20	50.90	29.66	35.68	17.38	30.53	33.28	65 dBA:	23	25
Heavy Trucks	81.16	-26.40	-1.76	-1.20	51.80	26.44	23.04	27.69	33.89	33.99	60 dBA:	49	54
Total:					60.43	57.08	55.80	49.77	58.19	58.82	55 dBA:	106	117

Road Name: Chino Avenue Segment: East of Archibald Avenue
Average Daily Traffic: 4500 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.42 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	-5.16	-0.65	-1.20	60.35	57.98	56.68	50.63	59.06	59.69	70 dBA:	12	13
Medium Trucks	76.31	-20.02	-0.65	-1.20	54.44	35.23	27.45	36.65	42.81	42.84	65 dBA:	25	27
Heavy Trucks	81.16	-17.80	-0.65	-1.20	61.50	44.51	36.73	45.94	52.09	52.13	60 dBA:	55	59
Total:					64.43	58.19	56.73	52.03	59.94	60.47	55 dBA:	117	127

Road Name: Edison Avenue Segment: West of Archibald Avenue
Average Daily Traffic: 8200 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 94.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-3.06	-4.27	-1.20	60.82	58.44	57.15	51.10	59.53	60.16	70 dBA:	22	24
Medium Trucks	77.62	-17.93	-4.27	-1.20	54.23	35.02	27.24	36.45	42.60	42.63	65 dBA:	48	52
Heavy Trucks	82.14	-15.71	-4.27	-1.20	60.97	43.98	36.19	45.40	51.56	51.59	60 dBA:	104	113
Total:					64.35	58.62	57.19	52.25	60.25	60.79	55 dBA:	224	243

Road Name: Edison Avenue Segment: East of Archibald Avenue
Average Daily Traffic: 6000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 84.12 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-4.17	-3.49	-1.20	60.48	58.36	57.05	51.03	59.45	60.08	70 dBA:	18	20
Medium Trucks	77.62	-21.41	-3.49	-1.20	51.52	30.27	36.29	18.00	31.14	33.90	65 dBA:	39	42
Heavy Trucks	82.14	-25.36	-3.49	-1.20	52.09	26.73	23.34	27.98	34.18	34.28	60 dBA:	83	91
Total:					61.53	58.37	57.09	51.06	59.47	60.10	55 dBA:	179	197

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Merrill Avenue **Segment: West of Archibald Avenue**
 Average Daily Traffic: 5100 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 50 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.36 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-5.58	-0.02	-1.20	64.32	61.95	60.65	54.60	63.03	63.66	70 dBA:	19	20
Medium Trucks	78.79	-20.45	-0.02	-1.20	57.13	37.92	30.14	39.35	45.50	45.53	65 dBA:	41	44
Heavy Trucks	83.02	-18.23	-0.02	-1.20	63.57	46.58	38.80	48.01	54.16	54.20	60 dBA:	87	95
Total:					67.40	62.09	60.69	55.57	63.63	64.19	55 dBA:	188	205

Road Name: Kimball Avenue **Segment: West of Grove Avenue**
 Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:					27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:	1	1

Road Name: Kimball Avenue **Segment: West of Flight Avenue**
 Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:					27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:	1	1

Road Name: Kimball Avenue **Segment: West of Hellman Avenue**
 Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:					27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:	1	1

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Limonite Avenue **Segment: East of Sumner Avenue**
 Average Daily Traffic: 28500 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 1 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	2.14	-2.90	-1.20	69.16	67.04	65.73	59.72	68.14	68.76	70 dBA:	68	75
Medium Trucks	78.79	-15.10	-2.90	-1.20	59.60	38.35	44.37	26.08	39.22	41.97	65 dBA:	146	161
Heavy Trucks	83.02	-19.05	-2.90	-1.20	59.87	34.52	31.12	35.77	41.97	42.06	60 dBA:	315	346
Total:					70.06	67.05	65.76	59.74	68.15	68.78	55 dBA:	678	746

Road Name: Limonite Avenue **Segment: East of Scholar Way**
 Average Daily Traffic: 29800 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 115 FEET FROM CENTERLINE (Equiv. Lane Dist: 104.96 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	2.08	-4.93	-1.20	67.07	64.70	63.41	57.35	65.78	66.41	70 dBA:	66	72
Medium Trucks	78.79	-12.78	-4.93	-1.20	59.88	40.67	32.89	42.10	48.25	48.28	65 dBA:	142	155
Heavy Trucks	83.02	-10.56	-4.93	-1.20	66.32	49.33	41.55	50.76	56.91	56.95	60 dBA:	306	334
Total:					70.15	64.84	63.44	58.32	66.38	66.94	55 dBA:	660	719

Road Name: Limonite Avenue **Segment: West of Wineville Avenue**
 Average Daily Traffic: 31900 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 105 FEET FROM CENTERLINE (Equiv. Lane Dist: 93.89 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	2.84	-4.21	-1.20	66.77	64.40	63.11	57.05	65.49	66.12	70 dBA:	59	64
Medium Trucks	77.62	-12.03	-4.21	-1.20	60.19	40.98	33.20	42.40	48.56	48.59	65 dBA:	126	137
Heavy Trucks	82.14	-9.81	-4.21	-1.20	66.92	49.93	42.15	51.36	57.51	57.55	60 dBA:	272	296
Total:					70.30	64.57	63.15	58.21	66.20	66.75	55 dBA:	586	638

Road Name: Limonite Avenue **Segment: East of Wineville Avenue**
 Average Daily Traffic: 28800 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 250 FEET FROM CENTERLINE (Equiv. Lane Dist: 245.54 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	72.73	1.52	-10.47	-1.20	62.58	60.21	58.91	52.86	61.29	61.92	70 dBA:	71	77
Medium Trucks	79.85	-13.34	-10.47	-1.20	54.84	35.63	27.85	37.06	43.21	43.25	65 dBA:	153	167
Heavy Trucks	83.81	-11.13	-10.47	-1.20	61.02	44.03	36.25	45.46	51.61	51.64	60 dBA:	329	359
Total:					65.29	60.32	58.94	53.68	61.79	62.36	55 dBA:	709	774

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Pine Avenue **Segment: East of Mill Creek Road**
Average Daily Traffic: 21800 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	1.43	-4.43	-1.20	65.15	63.03	61.72	55.70	64.12	64.75	70 dBA:	41	45
Medium Trucks	77.62	-15.80	-4.43	-1.20	56.19	34.94	40.96	22.67	35.81	38.57	65 dBA:	88	97
Heavy Trucks	82.14	-19.76	-4.43	-1.20	56.76	31.40	28.00	32.65	38.85	38.95	60 dBA:	189	208
Total:					66.20	63.04	61.75	55.73	64.14	64.77	55 dBA:	407	448

Road Name: Pine Avenue **Segment: West of Hellman Avenue**
Average Daily Traffic: 25100 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	2.05	-2.86	-1.20	67.33	65.21	63.90	57.88	66.30	66.93	70 dBA:	45	50
Medium Trucks	77.62	-15.19	-2.86	-1.20	58.37	37.12	43.14	24.85	37.99	40.75	65 dBA:	98	108
Heavy Trucks	82.14	-19.15	-2.86	-1.20	58.94	33.58	30.18	34.83	41.03	41.13	60 dBA:	211	233
Total:					68.38	65.22	63.93	57.91	66.32	66.95	55 dBA:	455	501

Road Name: Schleisman Road **Segment: West of Archibald Avenue**
Average Daily Traffic: 29700 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	2.07	-2.90	-1.20	69.10	66.72	65.43	59.38	67.81	68.44	70 dBA:	70	77
Medium Trucks	78.79	-12.80	-2.90	-1.20	61.90	42.69	34.91	44.12	50.27	50.31	65 dBA:	152	165
Heavy Trucks	83.02	-10.58	-2.90	-1.20	68.35	51.36	43.58	52.78	58.94	58.97	60 dBA:	327	356
Total:					72.18	66.86	65.46	60.34	68.40	68.96	55 dBA:	704	768

Road Name: Schleisman Road **Segment: East of Archibald Avenue**
Average Daily Traffic: 20300 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	0.42	-2.90	-1.20	67.44	65.07	63.78	57.72	66.15	66.79	70 dBA:	55	60
Medium Trucks	78.79	-14.45	-2.90	-1.20	60.25	41.04	33.26	42.47	48.62	48.66	65 dBA:	118	128
Heavy Trucks	83.02	-12.23	-2.90	-1.20	66.69	49.70	41.92	51.13	57.29	57.32	60 dBA:	254	276
Total:					70.52	65.21	63.81	58.69	66.75	67.31	55 dBA:	547	596

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Schleisman Road	Segment: East of Harrison Avenue	
Average Daily Traffic: 16500 Vehicles	Vehicle Speed: 50 MPH	Vehicle Mix: 2
		Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 51.87 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	-0.48	-0.34	-1.20	69.09	66.72	65.43	59.37	67.81	68.44	70 dBA:	55	60
Medium Trucks	78.79	-15.35	-0.34	-1.20	61.90	42.69	34.91	44.12	50.27	50.31	65 dBA:	118	129
Heavy Trucks	83.02	-13.13	-0.34	-1.20	68.35	51.36	43.58	52.78	58.94	58.97	60 dBA:	254	277
	Total:				72.18	66.86	65.46	60.34	68.40	68.96	55 dBA:	548	597

Road Name: Chandler Street	Segment: West of Archibald Avenue	
Average Daily Traffic: 7200 Vehicles	Vehicle Speed: 45 MPH	Vehicle Mix: 2
		Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 73.32 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	-3.63	-2.60	-1.20	61.92	59.55	58.26	52.20	60.63	61.26	70 dBA:	21	23
Medium Trucks	77.62	-18.49	-2.60	-1.20	55.33	36.12	28.34	37.55	43.70	43.74	65 dBA:	46	50
Heavy Trucks	82.14	-16.27	-2.60	-1.20	62.07	45.08	37.30	46.51	52.66	52.70	60 dBA:	98	107
	Total:				65.45	59.72	58.29	53.35	61.35	61.90	55 dBA:	212	231

Road Name: Chandler Street	Segment: East of Archibald Avenue	
Average Daily Traffic: 7400 Vehicles	Vehicle Speed: 45 MPH	Vehicle Mix: 2
		Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	-3.51	-2.86	-1.20	61.78	59.41	58.11	52.06	60.49	61.12	70 dBA:	21	23
Medium Trucks	77.62	-18.37	-2.86	-1.20	55.19	35.98	28.20	37.41	43.56	43.60	65 dBA:	45	49
Heavy Trucks	82.14	-16.16	-2.86	-1.20	61.93	44.94	37.16	46.37	52.52	52.55	60 dBA:	96	105
	Total:				65.31	59.58	58.15	53.21	61.21	61.75	55 dBA:	208	226

Road Name: Corydon Avenue	Segment: West of River Road	
Average Daily Traffic: 14300 Vehicles	Vehicle Speed: 40 MPH	Vehicle Mix: 2
		Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.51 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	-0.13	-1.76	-1.20	64.26	61.89	60.60	54.54	62.97	63.61	70 dBA:	25	27
Medium Trucks	76.31	-15.00	-1.76	-1.20	58.35	39.14	31.36	40.57	46.72	46.76	65 dBA:	55	59
Heavy Trucks	81.16	-12.78	-1.76	-1.20	65.41	48.42	40.64	49.85	56.01	56.04	60 dBA:	117	127
	Total:				68.34	62.10	60.65	55.94	63.85	64.38	55 dBA:	253	274

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: EXISTING (2014) WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Second Street

Segment: East of River Road

Average Daily Traffic: 12400 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 2

Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	65.11	-0.17	-0.04	-1.20	63.70	61.33	60.03	53.98	62.41	63.04	70 dBA:	20	22
Medium Trucks	74.83	-15.04	-0.04	-1.20	58.55	39.34	31.56	40.77	46.92	46.96	65 dBA:	44	47
Heavy Trucks	80.05	-12.82	-0.04	-1.20	65.99	49.00	41.22	50.42	56.58	56.61	60 dBA:	94	102
Total:					68.47	61.60	60.10	55.71	63.52	64.02	55 dBA:	203	220

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Vehicle Type	Vehicle Mix 1 (Local, Collector, Secondary)				Vehicle Mix 2 (Arterial, Major)				Vehicle Mix 3 (SR-83)			
	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	59.89%	12.27%	14.36%	86.52%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.90%	0.89%	2.48%	8.27%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	2.85%	0.27%	2.08%	5.21%

Road Name: Archibald Avenue **Segment: North of Riverside Drive**
 Average Daily Traffic: 35600 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	2.86	-1.12	-1.20	71.66	69.29	67.99	61.94	70.37	71.00	70 dBA:	87	95
Medium Trucks	78.79	-12.01	-1.12	-1.20	64.46	45.26	37.47	46.68	52.84	52.87	65 dBA:	187	204
Heavy Trucks	83.02	-9.79	-1.12	-1.20	70.91	53.92	46.14	55.35	61.50	61.53	60 dBA:	404	440
Total:					74.74	69.43	68.02	62.90	70.97	71.52	55 dBA:	870	948

Road Name: Archibald Avenue **Segment: North of Chino Avenue**
 Average Daily Traffic: 30100 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	2.13	-1.12	-1.20	70.93	68.56	67.26	61.21	69.64	70.27	70 dBA:	78	85
Medium Trucks	78.79	-12.74	-1.12	-1.20	63.74	44.53	36.75	45.95	52.11	52.14	65 dBA:	168	183
Heavy Trucks	83.02	-10.52	-1.12	-1.20	70.18	53.19	45.41	54.62	60.77	60.81	60 dBA:	361	393
Total:					74.01	68.70	67.30	62.17	70.24	70.80	55 dBA:	778	847

Road Name: Archibald Avenue **Segment: North of Edison Avenue**
 Average Daily Traffic: 25700 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	1.44	-4.58	-1.20	66.78	64.41	63.11	57.06	65.49	66.12	70 dBA:	60	66
Medium Trucks	78.79	-13.42	-4.58	-1.20	59.59	40.38	32.60	41.80	47.96	47.99	65 dBA:	130	142
Heavy Trucks	83.02	-11.21	-4.58	-1.20	66.03	49.04	41.26	50.47	56.62	56.66	60 dBA:	280	305
Total:					69.86	64.55	63.15	58.03	66.09	66.65	55 dBA:	603	657

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Archibald Avenue					Segment: North of Merrill Avenue										
Average Daily Traffic: 30400 Vehicles					Vehicle Speed: 55 MPH					Vehicle Mix: 2		Roadway Classification: Urban Arterial			
NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)											Centerline Distance to Noise Contour (in feet)				
Noise Adjustments				Unmitigated Noise Levels											
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL				
Automobiles	72.73	1.76	-3.81	-1.20	69.48	67.11	65.81	59.76	68.19	68.82	70 dBA:	82	89		
Medium Trucks	79.85	-13.11	-3.81	-1.20	61.74	42.53	34.75	43.96	50.11	50.15	65 dBA:	176	192		
Heavy Trucks	83.81	-10.89	-3.81	-1.20	67.92	50.93	43.15	52.36	58.51	58.54	60 dBA:	380	415		
Total:				72.19	67.22	65.84	60.58	68.69	69.26	55 dBA:		818	893		

Road Name: Archibald Avenue					Segment: North of Limonite Avenue										
Average Daily Traffic: 37000 Vehicles					Vehicle Speed: 50 MPH					Vehicle Mix: 2		Roadway Classification: Urban Arterial			
NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)											Centerline Distance to Noise Contour (in feet)				
Noise Adjustments				Unmitigated Noise Levels											
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL				
Automobiles	71.12	3.02	-3.81	-1.20	69.14	66.77	65.47	59.42	67.85	68.48	70 dBA:	79	86		
Medium Trucks	78.79	-11.84	-3.81	-1.20	61.95	42.74	34.96	44.16	50.32	50.35	65 dBA:	170	185		
Heavy Trucks	83.02	-9.62	-3.81	-1.20	68.39	51.40	43.62	52.83	58.98	59.02	60 dBA:	366	399		
Total:				72.22	66.91	65.51	60.39	68.45	69.01	55 dBA:		788	859		

Road Name: Archibald Avenue					Segment: South of Limonite Avenue										
Average Daily Traffic: 41300 Vehicles					Vehicle Speed: 50 MPH					Vehicle Mix: 2		Roadway Classification: Urban Arterial			
NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)											Centerline Distance to Noise Contour (in feet)				
Noise Adjustments				Unmitigated Noise Levels											
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL				
Automobiles	71.12	3.50	-1.79	-1.20	71.64	69.26	67.97	61.92	70.35	70.98	70 dBA:	92	101		
Medium Trucks	78.79	-11.36	-1.79	-1.20	64.44	45.23	37.45	46.66	52.82	52.85	65 dBA:	199	217		
Heavy Trucks	83.02	-9.15	-1.79	-1.20	70.89	53.90	46.12	55.33	61.48	61.51	60 dBA:	429	468		
Total:				74.72	69.41	68.00	62.88	70.95	71.50	55 dBA:		925	1008		

Road Name: Archibald Avenue					Segment: South of Project Driveway 1										
Average Daily Traffic: 40700 Vehicles					Vehicle Speed: 50 MPH					Vehicle Mix: 2		Roadway Classification: Urban Arterial			
NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)											Centerline Distance to Noise Contour (in feet)				
Noise Adjustments				Unmitigated Noise Levels											
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL				
Automobiles	71.12	3.44	-1.79	-1.20	71.57	69.20	67.91	61.85	70.28	70.92	70 dBA:	92	100		
Medium Trucks	78.79	-11.43	-1.79	-1.20	64.38	45.17	37.39	46.60	52.75	52.79	65 dBA:	197	215		
Heavy Trucks	83.02	-9.21	-1.79	-1.20	70.82	53.83	46.05	55.26	61.42	61.45	60 dBA:	425	463		
Total:				74.65	69.34	67.94	62.82	70.88	71.44	55 dBA:		916	998		

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: Archibald Avenue **Segment:** South of 65th Street
Average Daily Traffic: 43300 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	3.71	-1.79	-1.20	71.84	69.47	68.18	62.12	70.55	71.18	70 dBA:	95	104
Medium Trucks	78.79	-11.16	-1.79	-1.20	64.65	45.44	37.66	46.87	53.02	53.06	65 dBA:	206	224
Heavy Trucks	83.02	-8.94	-1.79	-1.20	71.09	54.10	46.32	55.53	61.68	61.72	60 dBA:	443	483
Total:					74.92	69.61	68.21	63.09	71.15	71.71	55 dBA:	955	1040

Road Name: Archibald Avenue **Segment:** South of Schleisman Road
Average Daily Traffic: 31500 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 70.82 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	2.33	-2.37	-1.20	69.87	67.50	66.21	60.15	68.59	69.22	70 dBA:	75	82
Medium Trucks	78.79	-12.54	-2.37	-1.20	62.68	43.47	35.69	44.90	51.05	51.09	65 dBA:	162	176
Heavy Trucks	83.02	-10.32	-2.37	-1.20	69.13	52.14	44.36	53.56	59.72	59.75	60 dBA:	348	379
Total:					72.96	67.64	66.24	61.12	69.18	69.74	55 dBA:	750	817

Road Name: Archibald Avenue **Segment:** South of Chandler Street
Average Daily Traffic: 25400 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	1.39	-1.79	-1.20	69.52	67.15	65.86	59.81	68.24	68.87	70 dBA:	67	73
Medium Trucks	78.79	-13.48	-1.79	-1.20	62.33	43.12	35.34	44.55	50.70	50.74	65 dBA:	144	157
Heavy Trucks	83.02	-11.26	-1.79	-1.20	68.78	51.79	44.01	53.21	59.37	59.40	60 dBA:	310	338
Total:					72.61	67.29	65.89	60.77	68.83	69.39	55 dBA:	669	729

Road Name: Archibald Avenue **Segment:** North of River Road
Average Daily Traffic: 26200 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	1.53	-3.81	-1.20	67.64	65.27	63.97	57.92	66.35	66.98	70 dBA:	63	68
Medium Trucks	78.79	-13.34	-3.81	-1.20	60.45	41.24	33.46	42.67	48.82	48.85	65 dBA:	135	147
Heavy Trucks	83.02	-11.12	-3.81	-1.20	66.89	49.90	42.12	51.33	57.48	57.52	60 dBA:	291	317
Total:					70.72	65.41	64.01	58.89	66.95	67.51	55 dBA:	626	682

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Harrison Avenue					Segment: North of Limonite Avenue								
Average Daily Traffic: 4300 Vehicles		Vehicle Speed: 25 MPH			Vehicle Mix: 1		Roadway Classification: Local						
NOISE PARAMETERS AT 50 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.51 ft)											Centerline Distance to Noise Contour (in feet)		
Noise Adjustments				Unmitigated Noise Levels									
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	59.44	-3.06	-0.04	-1.20	55.14	53.01	51.70	45.69	54.11	54.74	70 dBA:	4	5
Medium Trucks	71.09	-20.30	-0.04	-1.20	49.55	28.30	34.32	16.02	29.17	31.92	65 dBA:	9	10
Heavy Trucks	78.74	-24.26	-0.04	-1.20	53.24	27.89	24.49	29.14	35.34	35.44	60 dBA:	20	23
Total:					57.98	53.04	51.79	45.79	54.18	54.81	55 dBA:	44	49

Road Name: Harrison Avenue					Segment: South of Limonite Avenue								
Average Daily Traffic: 7500 Vehicles		Vehicle Speed: 45 MPH			Vehicle Mix: 2		Roadway Classification: Secondary						
NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.76 ft)											Centerline Distance to Noise Contour (in feet)		
Noise Adjustments				Unmitigated Noise Levels									
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-3.45	-1.89	-1.20	62.81	60.44	59.14	53.09	61.52	62.15	70 dBA:	21	23
Medium Trucks	77.62	-18.32	-1.89	-1.20	56.22	37.01	29.23	38.44	44.59	44.63	65 dBA:	46	50
Heavy Trucks	82.14	-16.10	-1.89	-1.20	62.96	45.97	38.19	47.39	53.55	53.58	60 dBA:	99	107
Total:					66.34	60.61	59.18	54.24	62.24	62.78	55 dBA:	213	231

Road Name: Sumner Avenue					Segment: North of Limonite Avenue								
Average Daily Traffic: 9000 Vehicles		Vehicle Speed: 45 MPH			Vehicle Mix: 2		Roadway Classification: Major						
NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.74 ft)											Centerline Distance to Noise Contour (in feet)		
Noise Adjustments				Unmitigated Noise Levels									
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-2.66	-3.69	-1.20	61.80	59.42	58.13	52.08	60.51	61.14	70 dBA:	23	25
Medium Trucks	77.62	-17.52	-3.69	-1.20	55.21	36.00	28.22	37.42	43.58	43.61	65 dBA:	50	55
Heavy Trucks	82.14	-15.31	-3.69	-1.20	61.94	44.95	37.17	46.38	52.54	52.57	60 dBA:	109	118
Total:					65.33	59.59	58.17	53.23	61.23	61.77	55 dBA:	234	254

Road Name: Sumner Avenue					Segment: South of Limonite Avenue								
Average Daily Traffic: 11100 Vehicles		Vehicle Speed: 45 MPH			Vehicle Mix: 1		Roadway Classification: Major						
NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 81.54 ft)											Centerline Distance to Noise Contour (in feet)		
Noise Adjustments				Unmitigated Noise Levels									
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-1.50	-3.29	-1.20	63.36	61.23	59.92	53.91	62.33	62.96	70 dBA:	26	29
Medium Trucks	77.62	-18.74	-3.29	-1.20	54.40	33.15	39.17	20.87	34.02	36.77	65 dBA:	57	62
Heavy Trucks	82.14	-22.69	-3.29	-1.20	54.96	29.61	26.21	30.86	37.06	37.15	60 dBA:	122	134
Total:					64.40	61.24	59.96	53.93	62.35	62.98	55 dBA:	263	289

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Wineville Avenue **Segment: South of Limonite Avenue**
Average Daily Traffic: 5200 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	69.34	-5.04	-2.86	-1.20	60.25	57.88	56.58	50.53	58.96	59.59	70 dBA:	16	18
Medium Trucks	77.62	-19.91	-2.86	-1.20	53.66	34.45	26.67	35.88	42.03	42.06	65 dBA:	35	38
Heavy Trucks	82.14	-17.69	-2.86	-1.20	60.40	43.41	35.62	44.83	50.99	51.02	60 dBA:	76	83
Total:					63.78	58.05	56.62	51.68	59.68	60.22	55 dBA:	164	178

Road Name: Etiwanda Avenue **Segment: North of Limonite Avenue**
Average Daily Traffic: 16900 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 150 FEET FROM CENTERLINE (Equiv. Lane Dist: 146.55 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	69.34	0.33	-7.11	-1.20	61.36	59.24	57.93	51.92	60.34	60.96	70 dBA:	34	38
Medium Trucks	77.62	-16.91	-7.11	-1.20	52.40	31.15	37.17	18.88	32.03	34.78	65 dBA:	74	81
Heavy Trucks	82.14	-20.87	-7.11	-1.20	52.97	27.62	24.22	28.87	35.06	35.16	60 dBA:	158	174
Total:					62.41	59.25	57.97	51.94	60.35	60.98	55 dBA:	341	376

Road Name: Riverside Drive **Segment: West of Archibald Avenue**
Average Daily Traffic: 27000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 60 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.99 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	69.34	2.36	-0.72	-1.20	69.78	67.66	66.35	60.34	68.76	69.38	70 dBA:	50	55
Medium Trucks	77.62	-14.88	-0.72	-1.20	60.82	39.57	45.59	27.30	40.45	43.20	65 dBA:	107	118
Heavy Trucks	82.14	-18.83	-0.72	-1.20	61.39	36.04	32.64	37.29	43.48	43.58	60 dBA:	231	254
Total:					70.83	67.67	66.39	60.36	68.78	69.40	55 dBA:	497	548

Road Name: Riverside Drive **Segment: East of Archibald Avenue**
Average Daily Traffic: 27200 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.76 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	69.34	2.39	-1.89	-1.20	68.65	66.53	65.22	59.20	67.62	68.25	70 dBA:	49	54
Medium Trucks	77.62	-14.84	-1.89	-1.20	59.69	38.44	44.46	26.17	39.31	42.06	65 dBA:	105	116
Heavy Trucks	82.14	-18.80	-1.89	-1.20	60.25	34.90	31.50	36.15	42.35	42.45	60 dBA:	226	249
Total:					69.70	66.54	65.25	59.23	67.64	68.27	55 dBA:	487	537

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Chino Avenue **Segment: West of Archibald Avenue**
Average Daily Traffic: 5700 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 1 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.51 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	-3.88	-1.76	-1.20	60.52	58.39	57.08	51.07	59.49	60.11	70 dBA:	13	14
Medium Trucks	76.31	-21.12	-1.76	-1.20	52.23	30.98	37.00	18.71	31.85	34.61	65 dBA:	28	31
Heavy Trucks	81.16	-25.07	-1.76	-1.20	53.12	27.77	24.37	29.02	35.22	35.31	60 dBA:	60	66
Total:					61.76	58.40	57.13	51.10	59.51	60.14	55 dBA:	130	143

Road Name: Chino Avenue **Segment: East of Archibald Avenue**
Average Daily Traffic: 5500 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.42 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	67.36	-4.28	-0.65	-1.20	61.22	58.85	57.56	51.50	59.93	60.56	70 dBA:	13	15
Medium Trucks	76.31	-19.15	-0.65	-1.20	55.31	36.10	28.32	37.53	43.68	43.71	65 dBA:	29	31
Heavy Trucks	81.16	-16.93	-0.65	-1.20	62.37	45.38	37.60	46.81	52.96	53.00	60 dBA:	62	68
Total:					65.30	59.06	57.60	52.90	60.81	61.34	55 dBA:	134	146

Road Name: Edison Avenue **Segment: West of Archibald Avenue**
Average Daily Traffic: 10400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 94.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-2.03	-4.27	-1.20	61.85	59.48	58.18	52.13	60.56	61.19	70 dBA:	26	29
Medium Trucks	77.62	-16.90	-4.27	-1.20	55.26	36.05	28.27	37.48	43.63	43.67	65 dBA:	56	61
Heavy Trucks	82.14	-14.68	-4.27	-1.20	62.00	45.01	37.23	46.43	52.59	52.62	60 dBA:	122	132
Total:					65.38	59.65	58.22	53.28	61.28	61.82	55 dBA:	262	285

Road Name: Edison Avenue **Segment: East of Archibald Avenue**
Average Daily Traffic: 11700 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 84.12 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-1.27	-3.49	-1.20	63.38	61.26	59.95	53.94	62.35	62.98	70 dBA:	28	31
Medium Trucks	77.62	-18.51	-3.49	-1.20	54.42	33.17	39.19	20.90	34.04	36.80	65 dBA:	60	66
Heavy Trucks	82.14	-22.46	-3.49	-1.20	54.99	29.63	26.24	30.88	37.08	37.18	60 dBA:	130	143
Total:					64.43	61.27	59.99	53.96	62.37	63.00	55 dBA:	279	307

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Merrill Avenue **Segment: West of Archibald Avenue**
 Average Daily Traffic: 10400 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 50 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.36 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-2.49	-0.02	-1.20	67.41	65.04	63.75	57.69	66.13	66.76	70 dBA:	30	33
Medium Trucks	78.79	-17.35	-0.02	-1.20	60.22	41.01	33.23	42.44	48.59	48.63	65 dBA:	65	71
Heavy Trucks	83.02	-15.14	-0.02	-1.20	66.67	49.68	41.90	51.10	57.26	57.29	60 dBA:	140	153
Total:					70.49	65.18	63.78	58.66	66.72	67.28	55 dBA:	302	329

Road Name: Kimball Avenue **Segment: West of Grove Avenue**
 Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:					27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:	1	1

Road Name: Kimball Avenue **Segment: West of Flight Avenue**
 Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:					27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:	1	1

Road Name: Kimball Avenue **Segment: West of Hellman Avenue**
 Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:					27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:	1	1

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: **Limonite Avenue** Segment: **West of Ontario Avenue**
Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	-42.66	-2.90	-1.20	24.37	22.00	20.70	14.65	23.08	23.71	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-2.90	-1.20	17.17	-2.03	-9.82	-0.61	5.55	5.58	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-2.90	-1.20	23.62	6.63	-1.15	8.06	14.21	14.24	60 dBA:	0	0
Total:					27.45	22.14	20.73	15.61	23.68	24.24	55 dBA:	1	1

Road Name: **Limonite Avenue** Segment: **West of Archibald Avenue**
Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	-42.66	-2.90	-1.20	24.37	22.00	20.70	14.65	23.08	23.71	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-2.90	-1.20	17.17	-2.03	-9.82	-0.61	5.55	5.58	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-2.90	-1.20	23.62	6.63	-1.15	8.06	14.21	14.24	60 dBA:	0	0
Total:					27.45	22.14	20.73	15.61	23.68	24.24	55 dBA:	1	1

Road Name: **Limonite Avenue** Segment: **East of Project Driveway 3**
Average Daily Traffic: 34600 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	3.19	-2.90	-1.20	68.44	66.07	64.78	58.72	67.15	67.78	70 dBA:	65	71
Medium Trucks	77.62	-11.68	-2.90	-1.20	61.85	42.64	34.86	44.07	50.22	50.26	65 dBA:	140	152
Heavy Trucks	82.14	-9.46	-2.90	-1.20	68.59	51.60	43.82	53.03	59.18	59.21	60 dBA:	301	328
Total:					71.97	66.24	64.81	59.87	67.87	68.42	55 dBA:	649	706

Road Name: **Limonite Avenue** Segment: **East of Harrison Avenue**
Average Daily Traffic: 38200 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	3.16	-3.81	-1.20	69.28	66.91	65.61	59.56	67.99	68.62	70 dBA:	80	88
Medium Trucks	78.79	-11.70	-3.81	-1.20	62.08	42.88	35.09	44.30	50.46	50.49	65 dBA:	173	189
Heavy Trucks	83.02	-9.48	-3.81	-1.20	68.53	51.54	43.76	52.97	59.12	59.15	60 dBA:	374	407
Total:					72.36	67.05	65.64	60.52	68.59	69.15	55 dBA:	805	877

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Limonite Avenue Segment: East of Sumner Avenue
Average Daily Traffic: 44700 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 1 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	4.09	-2.90	-1.20	71.12	69.00	67.68	61.67	70.09	70.72	70 dBA:	91	101
Medium Trucks	78.79	-13.14	-2.90	-1.20	61.55	40.31	46.33	28.03	41.18	43.93	65 dBA:	197	217
Heavy Trucks	83.02	-17.10	-2.90	-1.20	61.83	36.47	33.07	37.72	43.92	44.02	60 dBA:	425	468
Total:					72.01	69.00	67.72	61.69	70.11	70.74	55 dBA:	915	1008

Road Name: Limonite Avenue Segment: East of Scholar Way
Average Daily Traffic: 47500 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 115 FEET FROM CENTERLINE (Equiv. Lane Dist: 104.96 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	4.11	-4.93	-1.20	69.10	66.72	65.43	59.38	67.81	68.44	70 dBA:	90	98
Medium Trucks	78.79	-10.76	-4.93	-1.20	61.90	42.69	34.91	44.12	50.28	50.31	65 dBA:	194	211
Heavy Trucks	83.02	-8.54	-4.93	-1.20	68.35	51.36	43.58	52.78	58.94	58.97	60 dBA:	418	455
Total:					72.18	66.86	65.46	60.34	68.40	68.96	55 dBA:	900	981

Road Name: Limonite Avenue Segment: West of Wineville Avenue
Average Daily Traffic: 38900 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 105 FEET FROM CENTERLINE (Equiv. Lane Dist: 93.89 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	3.70	-4.21	-1.20	67.64	65.26	63.97	57.92	66.35	66.98	70 dBA:	67	73
Medium Trucks	77.62	-11.17	-4.21	-1.20	61.05	41.84	34.06	43.27	49.42	49.45	65 dBA:	144	157
Heavy Trucks	82.14	-8.95	-4.21	-1.20	67.78	50.80	43.01	52.22	58.38	58.41	60 dBA:	311	338
Total:					71.17	65.44	64.01	59.07	67.07	67.61	55 dBA:	669	728

Road Name: Limonite Avenue Segment: East of Wineville Avenue
Average Daily Traffic: 35500 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 250 FEET FROM CENTERLINE (Equiv. Lane Dist: 245.54 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	72.73	2.43	-10.47	-1.20	63.49	61.11	59.82	53.77	62.20	62.83	70 dBA:	82	89
Medium Trucks	79.85	-12.44	-10.47	-1.20	55.75	36.54	28.76	37.97	44.12	44.15	65 dBA:	176	192
Heavy Trucks	83.81	-10.22	-10.47	-1.20	61.93	44.94	37.16	46.36	52.52	52.55	60 dBA:	379	413
Total:					66.20	61.23	59.85	54.59	62.70	63.27	55 dBA:	816	890

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: **Limonite Avenue** Segment: **East of Lucretia Avenue**
Average Daily Traffic: 33100 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 190 FEET FROM CENTERLINE (Equiv. Lane Dist: 184.1 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	72.73	2.13	-8.59	-1.20	65.06	62.69	61.39	55.34	63.77	64.40	70 dBA:	79	86
Medium Trucks	79.85	-12.74	-8.59	-1.20	57.32	38.11	30.33	39.54	45.69	45.73	65 dBA:	170	186
Heavy Trucks	83.81	-10.52	-8.59	-1.20	63.50	46.51	38.73	47.94	54.09	54.12	60 dBA:	366	400
	Total:				67.77	62.81	61.42	56.16	64.28	64.84	55 dBA:	789	861

Road Name: **Limonite Avenue** Segment: **East of Etiwanda Avenue**
Average Daily Traffic: 27800 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 51.87 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	1.78	-0.34	-1.20	71.36	68.99	67.69	61.64	70.07	70.70	70 dBA:	78	85
Medium Trucks	78.79	-13.08	-0.34	-1.20	64.17	44.96	37.18	46.39	52.54	52.57	65 dBA:	167	182
Heavy Trucks	83.02	-10.86	-0.34	-1.20	70.61	53.62	45.84	55.05	61.20	61.24	60 dBA:	360	392
	Total:				74.44	69.13	67.73	62.61	70.67	71.23	55 dBA:	776	845

Road Name: **65th Street** Segment: **East of Archibald Avenue**
Average Daily Traffic: 6200 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 60 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.99 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-4.28	-0.72	-1.20	63.15	60.77	59.48	53.43	61.86	62.49	70 dBA:	19	21
Medium Trucks	77.62	-19.14	-0.72	-1.20	56.56	37.35	29.57	38.78	44.93	44.96	65 dBA:	41	45
Heavy Trucks	82.14	-16.92	-0.72	-1.20	63.29	46.30	38.52	47.73	53.89	53.92	60 dBA:	89	97
	Total:				66.68	60.95	59.52	54.58	62.58	63.12	55 dBA:	192	209

Road Name: **Pine Avenue** Segment: **East of Euclid Avenue**
Average Daily Traffic: 29600 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	2.51	-2.39	-1.20	68.27	65.89	64.60	58.55	66.98	67.61	70 dBA:	53	57
Medium Trucks	77.62	-12.35	-2.39	-1.20	61.68	42.47	34.69	43.89	50.05	50.08	65 dBA:	113	123
Heavy Trucks	82.14	-10.13	-2.39	-1.20	68.41	51.42	43.64	52.85	59.01	59.04	60 dBA:	244	266
	Total:				71.79	66.06	64.64	59.70	67.69	68.24	55 dBA:	526	572

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: **YEAR 2017 WITHOUT PROJECT CONDITIONS**

Project: **Eastvale Crossings**
Site Conditions: **Soft**

Road Name: **Pine Avenue** Segment: **East of Mill Creek Road**
Average Daily Traffic: 31800 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	3.07	-4.43	-1.20	66.79	64.67	63.36	57.34	65.76	66.39	70 dBA:	52	58
Medium Trucks	77.62	-14.17	-4.43	-1.20	57.83	36.58	42.60	24.31	37.45	40.21	65 dBA:	113	124
Heavy Trucks	82.14	-18.12	-4.43	-1.20	58.40	33.04	29.64	34.29	40.49	40.59	60 dBA:	243	268
Total:					67.84	64.68	63.39	57.37	65.78	66.41	55 dBA:	523	577

Road Name: **Pine Avenue** Segment: **West of Hellman Avenue**
Average Daily Traffic: 32300 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	3.14	-2.86	-1.20	68.43	66.30	64.99	58.98	67.40	68.03	70 dBA:	54	59
Medium Trucks	77.62	-14.10	-2.86	-1.20	59.47	38.22	44.24	25.95	39.09	41.84	65 dBA:	116	128
Heavy Trucks	82.14	-18.05	-2.86	-1.20	60.03	34.68	31.28	35.93	42.13	42.22	60 dBA:	250	275
Total:					69.47	66.31	65.03	59.00	67.42	68.05	55 dBA:	538	593

Road Name: **Schleisman Road** Segment: **West of Archibald Avenue**
Average Daily Traffic: 43900 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	3.77	-2.90	-1.20	70.79	68.42	67.13	61.07	69.50	70.13	70 dBA:	91	100
Medium Trucks	78.79	-11.10	-2.90	-1.20	63.60	44.39	36.61	45.82	51.97	52.01	65 dBA:	197	215
Heavy Trucks	83.02	-8.88	-2.90	-1.20	70.04	53.05	45.27	54.48	60.64	60.67	60 dBA:	424	462
Total:					73.87	68.56	67.16	62.04	70.10	70.66	55 dBA:	914	996

Road Name: **Schleisman Road** Segment: **East of Archibald Avenue**
Average Daily Traffic: 22700 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	0.90	-2.90	-1.20	67.93	65.56	64.26	58.21	66.64	67.27	70 dBA:	59	64
Medium Trucks	78.79	-13.96	-2.90	-1.20	60.73	41.53	33.75	42.95	49.11	49.14	65 dBA:	127	138
Heavy Trucks	83.02	-11.75	-2.90	-1.20	67.18	50.19	42.41	51.62	57.77	57.81	60 dBA:	273	298
Total:					71.01	65.70	64.29	59.17	67.24	67.80	55 dBA:	589	642

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Schleisman Road Segment: East of Harrison Avenue
 Average Daily Traffic: 18700 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 51.87 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
REMED Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	71.12	0.06	-0.34	-1.20	69.64	67.27	65.97	59.92	68.35	68.98	70 dBA:	60	65
Medium Trucks	78.79	-14.81	-0.34	-1.20	62.44	43.24	35.46	44.66	50.82	50.85	65 dBA:	128	140
Heavy Trucks	83.02	-12.59	-0.34	-1.20	68.89	51.90	44.12	53.33	59.48	59.52	60 dBA:	276	301
Total:					72.72	67.41	66.00	60.88	68.95	69.51	55 dBA:	596	649

Road Name: Chandler Street Segment: West of Archibald Avenue
 Average Daily Traffic: 9600 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 73.32 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
REMED Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	69.34	-2.38	-2.60	-1.20	63.17	60.80	59.51	53.45	61.88	62.51	70 dBA:	26	28
Medium Trucks	77.62	-17.24	-2.60	-1.20	56.58	37.37	29.59	38.80	44.95	44.99	65 dBA:	55	60
Heavy Trucks	82.14	-15.03	-2.60	-1.20	63.32	46.33	38.55	47.76	53.91	53.94	60 dBA:	119	130
Total:					66.70	60.97	59.54	54.60	62.60	63.15	55 dBA:	257	279

Road Name: Chandler Street Segment: East of Archibald Avenue
 Average Daily Traffic: 8000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
REMED Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	69.34	-3.17	-2.86	-1.20	62.12	59.75	58.45	52.40	60.83	61.46	70 dBA:	22	24
Medium Trucks	77.62	-18.04	-2.86	-1.20	55.53	36.32	28.54	37.75	43.90	43.94	65 dBA:	47	51
Heavy Trucks	82.14	-15.82	-2.86	-1.20	62.27	45.28	37.50	46.70	52.86	52.89	60 dBA:	101	110
Total:					65.65	59.92	58.49	53.55	61.55	62.09	55 dBA:	219	238

Road Name: Corydon Avenue Segment: West of River Road
 Average Daily Traffic: 15200 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.51 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
REMED Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL				
Automobiles	67.36	0.13	-1.76	-1.20	64.53	62.16	60.86	54.81	63.24	63.87	70 dBA:	26	29
Medium Trucks	76.31	-14.74	-1.76	-1.20	58.61	39.41	31.62	40.83	46.99	47.02	65 dBA:	57	62
Heavy Trucks	81.16	-12.52	-1.76	-1.20	65.68	48.69	40.91	50.12	56.27	56.30	60 dBA:	122	133
Total:					68.61	62.37	60.91	56.20	64.12	64.65	55 dBA:	264	286

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Second Street

Segment: East of River Road

Average Daily Traffic: 14300 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 2

Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	65.11	0.45	-0.04	-1.20	64.32	61.95	60.65	54.60	63.03	63.66	70 dBA:	22	24
Medium Trucks	74.83	-14.42	-0.04	-1.20	59.17	39.96	32.18	41.39	47.54	47.58	65 dBA:	48	52
Heavy Trucks	80.05	-12.20	-0.04	-1.20	66.61	49.62	41.84	51.04	57.20	57.23	60 dBA:	104	112
	Total:				69.09	62.22	60.72	56.33	64.13	64.64	55 dBA:	224	241

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Vehicle Type	Vehicle Mix 1 (Local, Collector, Secondary)				Vehicle Mix 2 (Arterial, Major)				Vehicle Mix 3 (SR-83)			
	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	59.89%	12.27%	14.36%	86.52%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.90%	0.89%	2.48%	8.27%
Heavy Trucks	0.35%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	2.85%	0.27%	2.08%	5.21%

Road Name: Archibald Avenue **Segment: North of Riverside Drive**
 Average Daily Traffic: 36800 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	3.00	-1.12	-1.20	71.80	69.43	68.14	62.08	70.51	71.14	70 dBA:	89	97
Medium Trucks	78.79	-11.87	-1.12	-1.20	64.61	45.40	37.62	46.83	52.98	53.01	65 dBA:	192	209
Heavy Trucks	83.02	-9.65	-1.12	-1.20	71.05	54.06	46.28	55.49	61.64	61.68	60 dBA:	413	450
Total:					74.88	69.57	68.17	63.05	71.11	71.67	55 dBA:	889	969

Road Name: Archibald Avenue **Segment: North of Chino Avenue**
 Average Daily Traffic: 32100 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	2.41	-1.12	-1.20	71.21	68.84	67.54	61.49	69.92	70.55	70 dBA:	81	88
Medium Trucks	78.79	-12.46	-1.12	-1.20	64.01	44.81	37.02	46.23	52.39	52.42	65 dBA:	175	191
Heavy Trucks	83.02	-10.24	-1.12	-1.20	70.46	53.47	45.69	54.90	61.05	61.08	60 dBA:	377	411
Total:					74.29	68.98	67.57	62.45	70.52	71.08	55 dBA:	812	885

Road Name: Archibald Avenue **Segment: North of Edison Avenue**
 Average Daily Traffic: 28800 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	1.94	-4.58	-1.20	67.27	64.90	63.61	57.55	65.99	66.62	70 dBA:	65	71
Medium Trucks	78.79	-12.93	-4.58	-1.20	60.08	40.87	33.09	42.30	48.45	48.49	65 dBA:	140	153
Heavy Trucks	83.02	-10.71	-4.58	-1.20	66.53	49.54	41.75	50.96	57.12	57.15	60 dBA:	302	329
Total:					70.35	65.04	63.64	58.52	66.58	67.14	55 dBA:	651	709

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Archibald Avenue **Segment: North of Merrill Avenue**
Average Daily Traffic: 34400 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	72.73	2.29	-3.81	-1.20	70.01	67.64	66.35	60.30	68.73	69.36	70 dBA:	89	97
Medium Trucks	79.85	-12.57	-3.81	-1.20	62.28	43.07	35.29	44.49	50.65	50.68	65 dBA:	191	209
Heavy Trucks	83.81	-10.35	-3.81	-1.20	68.46	51.47	43.68	52.89	59.05	59.08	60 dBA:	412	450
Total:					72.73	67.76	66.38	61.12	69.23	69.80	55 dBA:	889	970

Road Name: Archibald Avenue **Segment: North of Limonite Avenue**
Average Daily Traffic: 41100 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	3.48	-3.81	-1.20	69.60	67.22	65.93	59.88	68.31	68.94	70 dBA:	85	92
Medium Trucks	78.79	-11.39	-3.81	-1.20	62.40	43.19	35.41	44.62	50.78	50.81	65 dBA:	182	198
Heavy Trucks	83.02	-9.17	-3.81	-1.20	68.85	51.86	44.08	53.28	59.44	59.47	60 dBA:	392	427
Total:					72.68	67.36	65.96	60.84	68.90	69.46	55 dBA:	845	921

Road Name: Archibald Avenue **Segment: South of Limonite Avenue**
Average Daily Traffic: 45300 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	3.90	-1.79	-1.20	72.04	69.67	68.37	62.32	70.75	71.38	70 dBA:	98	107
Medium Trucks	78.79	-10.96	-1.79	-1.20	64.84	45.64	37.85	47.06	53.22	53.25	65 dBA:	212	231
Heavy Trucks	83.02	-8.74	-1.79	-1.20	71.29	54.30	46.52	55.73	61.88	61.91	60 dBA:	457	497
Total:					75.12	69.81	68.40	63.28	71.35	71.91	55 dBA:	984	1072

Road Name: Archibald Avenue **Segment: South of Project Driveway 1**
Average Daily Traffic: 45900 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	3.96	-1.79	-1.20	72.09	69.72	68.43	62.38	70.81	71.44	70 dBA:	99	108
Medium Trucks	78.79	-10.91	-1.79	-1.20	64.90	45.69	37.91	47.12	53.27	53.31	65 dBA:	214	233
Heavy Trucks	83.02	-8.69	-1.79	-1.20	71.35	54.36	46.58	55.78	61.94	61.97	60 dBA:	461	502
Total:					75.18	69.86	68.46	63.34	71.40	71.96	55 dBA:	992	1081

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Archibald Avenue		Segment: South of 65th Street										
Average Daily Traffic: 47700 Vehicles				Vehicle Speed: 50 MPH		Vehicle Mix: 2			Roadway Classification: Urban Arterial			
		NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)								Centerline Distance to Noise Contour (in feet)		
		Noise Adjustments			Unmitigated Noise Levels							
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	4.13	-1.79	-1.20	72.26	69.89	68.60	62.54	70.97	71.60	70 dBA: 102 111	
Medium Trucks	78.79	-10.74	-1.79	-1.20	65.07	45.86	38.08	47.29	53.44	53.48	65 dBA: 219 239	
Heavy Trucks	83.02	-8.52	-1.79	-1.20	71.51	54.52	46.74	55.95	62.11	62.14	60 dBA: 473 515	
Total:				75.34	70.03	68.63	63.51	71.57	72.13	55 dBA: 1018 1109		

Road Name: Archibald Avenue		Segment: South of Schleisman Road										
Average Daily Traffic: 33500 Vehicles				Vehicle Speed: 50 MPH		Vehicle Mix: 2			Roadway Classification: Urban Arterial			
		NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 70.82 ft)								Centerline Distance to Noise Contour (in feet)		
		Noise Adjustments			Unmitigated Noise Levels							
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	2.59	-2.37	-1.20	70.14	67.77	66.48	60.42	68.85	69.48	70 dBA: 78 85	
Medium Trucks	78.79	-12.27	-2.37	-1.20	62.95	43.74	35.96	45.17	51.32	51.36	65 dBA: 168 183	
Heavy Trucks	83.02	-10.05	-2.37	-1.20	69.39	52.40	44.62	53.83	59.98	60.02	60 dBA: 363 395	
Total:				73.22	67.91	66.51	61.39	69.45	70.01	55 dBA: 781 851		

Road Name: Archibald Avenue		Segment: South of Chandler Street										
Average Daily Traffic: 26600 Vehicles				Vehicle Speed: 50 MPH		Vehicle Mix: 2			Roadway Classification: Urban Arterial			
		NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)								Centerline Distance to Noise Contour (in feet)		
		Noise Adjustments			Unmitigated Noise Levels							
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	1.59	-1.79	-1.20	69.73	67.35	66.06	60.01	68.44	69.07	70 dBA: 69 75	
Medium Trucks	78.79	-13.28	-1.79	-1.20	62.53	43.32	35.54	44.75	50.91	50.94	65 dBA: 149 162	
Heavy Trucks	83.02	-11.06	-1.79	-1.20	68.98	51.99	44.21	53.41	59.57	59.60	60 dBA: 320 349	
Total:				72.81	67.49	66.09	60.97	69.03	69.59	55 dBA: 690 752		

Road Name: Archibald Avenue		Segment: North of River Road										
Average Daily Traffic: 27200 Vehicles				Vehicle Speed: 50 MPH		Vehicle Mix: 2			Roadway Classification: Urban Arterial			
		NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)								Centerline Distance to Noise Contour (in feet)		
		Noise Adjustments			Unmitigated Noise Levels							
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	1.69	-3.81	-1.20	67.80	65.43	64.14	58.08	66.51	67.15	70 dBA: 64 70	
Medium Trucks	78.79	-13.18	-3.81	-1.20	60.61	41.40	33.62	42.83	48.98	49.02	65 dBA: 138 151	
Heavy Trucks	83.02	-10.96	-3.81	-1.20	67.05	50.07	42.28	51.49	57.65	57.68	60 dBA: 298 325	
Total:				70.88	65.57	64.17	59.05	67.11	67.67	55 dBA: 642 699		

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: River Road Segment: North of Bluff Street
Average Daily Traffic: 30600 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Major

NOISE PARAMETERS AT 160 FEET FROM CENTERLINE (Equiv. Lane Dist: 158.19 ft)											Centerline Distance to Noise Contour (in feet)		
Vehicle Type	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	72.73	1.79	-7.61	-1.20	65.71	63.33	62.04	55.99	64.42	65.05	70 dBA:	73	80
Medium Trucks	79.85	-13.08	-7.61	-1.20	57.97	38.76	30.98	40.18	46.34	46.37	65 dBA:	158	173
Heavy Trucks	83.81	-10.86	-7.61	-1.20	64.15	47.16	39.38	48.58	54.74	54.77	60 dBA:	341	372
Total:					68.42	63.45	62.07	56.81	64.92	65.49	55 dBA:	734	801

Road Name: River Road Segment: South of Bluff Street
Average Daily Traffic: 29700 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 81.54 ft)											Centerline Distance to Noise Contour (in feet)		
Vehicle Type	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	2.53	-3.29	-1.20	67.38	65.01	63.72	57.66	66.09	66.73	70 dBA:	52	57
Medium Trucks	77.62	-12.34	-3.29	-1.20	60.79	41.59	33.80	43.01	49.17	49.20	65 dBA:	112	122
Heavy Trucks	82.14	-10.12	-3.29	-1.20	67.53	50.54	42.76	51.97	58.12	58.16	60 dBA:	242	263
Total:					70.91	65.18	63.76	58.82	66.81	67.36	55 dBA:	521	567

Road Name: River Road Segment: South of Coydon Avenue
Average Daily Traffic: 31600 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)											Centerline Distance to Noise Contour (in feet)		
Vehicle Type	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	2.80	-2.86	-1.20	68.08	65.71	64.42	58.36	66.80	67.43	70 dBA:	55	59
Medium Trucks	77.62	-12.07	-2.86	-1.20	61.49	42.29	34.51	43.71	49.87	49.90	65 dBA:	118	128
Heavy Trucks	82.14	-9.85	-2.86	-1.20	68.23	51.24	43.46	52.67	58.82	58.86	60 dBA:	254	276
Total:					71.61	65.88	64.46	59.52	67.51	68.06	55 dBA:	546	594

Road Name: River Road Segment: South of Second Street
Average Daily Traffic: 25700 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft)											Centerline Distance to Noise Contour (in feet)		
Vehicle Type	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	2.15	-2.39	-1.20	67.90	65.78	64.46	58.45	66.87	67.50	70 dBA:	47	51
Medium Trucks	77.62	-15.09	-2.39	-1.20	58.94	37.69	43.71	25.42	38.56	41.31	65 dBA:	100	110
Heavy Trucks	82.14	-19.05	-2.39	-1.20	59.50	34.15	30.75	35.40	41.60	41.70	60 dBA:	216	238
Total:					68.94	65.79	64.50	58.48	66.89	67.52	55 dBA:	465	513

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: **Harrison Avenue** Segment: **North of Limonite Avenue**
Average Daily Traffic: 4500 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Local

Vehicle Type	NOISE PARAMETERS AT 50 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.51 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	59.44	-2.87	-0.04	-1.20	55.33	53.21	51.90	45.89	54.31	54.93	70 dBA:	5	5
Medium Trucks	71.09	-20.10	-0.04	-1.20	49.74	28.49	34.52	16.22	29.37	32.12	65 dBA:	10	11
Heavy Trucks	78.74	-24.06	-0.04	-1.20	53.44	28.09	24.69	29.34	35.54	35.63	60 dBA:	21	23
Total:					58.17	53.24	51.99	45.99	54.38	55.01	55 dBA:	45	50

Road Name: **Harrison Avenue** Segment: **South of Limonite Avenue**
Average Daily Traffic: 7700 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.76 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	-3.33	-1.89	-1.20	62.92	60.55	59.26	53.20	61.63	62.26	70 dBA:	22	24
Medium Trucks	77.62	-18.20	-1.89	-1.20	56.33	37.12	29.34	38.55	44.71	44.74	65 dBA:	47	51
Heavy Trucks	82.14	-15.98	-1.89	-1.20	63.07	46.08	38.30	47.51	53.66	53.70	60 dBA:	100	109
Total:					66.45	60.72	59.30	54.35	62.35	62.90	55 dBA:	216	235

Road Name: **Sumner Avenue** Segment: **North of Limonite Avenue**
Average Daily Traffic: 9400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	-2.47	-3.69	-1.20	61.98	59.61	58.32	52.26	60.70	61.33	70 dBA:	24	26
Medium Trucks	77.62	-17.34	-3.69	-1.20	55.40	36.19	28.41	37.61	43.77	43.80	65 dBA:	52	56
Heavy Trucks	82.14	-15.12	-3.69	-1.20	62.13	45.14	37.36	46.57	52.72	52.76	60 dBA:	112	122
Total:					65.51	59.78	58.36	53.42	61.41	61.96	55 dBA:	241	262

Road Name: **Sumner Avenue** Segment: **South of Limonite Avenue**
Average Daily Traffic: 11500 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 81.54 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	-1.34	-3.29	-1.20	63.51	61.39	60.08	54.06	62.48	63.11	70 dBA:	27	30
Medium Trucks	77.62	-18.58	-3.29	-1.20	54.55	33.30	39.32	21.03	34.17	36.92	65 dBA:	58	64
Heavy Trucks	82.14	-22.54	-3.29	-1.20	55.11	29.76	26.36	31.01	37.21	37.31	60 dBA:	125	137
Total:					64.55	61.40	60.11	54.09	62.50	63.13	55 dBA:	269	296

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Scholar Way **Segment:** South of Limonite Avenue
Average Daily Traffic: 7300 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 60.41 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Centerline Distance to Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-3.57	-1.34	-1.20	63.24	60.87	59.58	53.52	61.95	62.59	70 dBA:	21	23
Medium Trucks	77.62	-18.43	-1.34	-1.20	56.65	37.45	29.66	38.87	45.03	45.06	65 dBA:	45	49
Heavy Trucks	82.14	-16.21	-1.34	-1.20	63.39	46.40	38.62	47.83	53.98	54.02	60 dBA:	98	107
Total:					66.77	61.04	59.62	54.68	62.67	63.22	55 dBA:	211	230

Road Name: Hamner Avenue **Segment:** North of Limonite Avenue
Average Daily Traffic: 36800 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Centerline Distance to Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	3.00	-3.81	-1.20	69.12	66.74	65.45	59.40	67.83	68.46	70 dBA:	79	86
Medium Trucks	78.79	-11.87	-3.81	-1.20	61.92	42.71	34.93	44.14	50.30	50.33	65 dBA:	169	184
Heavy Trucks	83.02	-9.65	-3.81	-1.20	68.37	51.38	43.60	52.80	58.96	58.99	60 dBA:	364	397
Total:					72.20	66.88	65.48	60.36	68.42	68.98	55 dBA:	785	855

Road Name: Hamner Avenue **Segment:** South of Limonite Avenue
Average Daily Traffic: 31500 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 70.82 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Centerline Distance to Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	2.33	-2.37	-1.20	69.87	67.50	66.21	60.15	68.59	69.22	70 dBA:	75	82
Medium Trucks	78.79	-12.54	-2.37	-1.20	62.68	43.47	35.69	44.90	51.05	51.09	65 dBA:	162	176
Heavy Trucks	83.02	-10.32	-2.37	-1.20	69.13	52.14	44.36	53.56	59.72	59.75	60 dBA:	348	379
Total:					72.96	67.64	66.24	61.12	69.18	69.74	55 dBA:	750	817

Road Name: Wineville Avenue **Segment:** North of Limonite Avenue
Average Daily Traffic: 10700 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 130 FEET FROM CENTERLINE (Equiv. Lane Dist: 126 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Centerline Distance to Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-1.66	-6.12	-1.20	60.36	58.24	56.93	50.92	59.33	59.96	70 dBA:	25	28
Medium Trucks	77.62	-18.90	-6.12	-1.20	51.40	30.15	36.17	17.88	31.02	33.78	65 dBA:	55	60
Heavy Trucks	82.14	-22.85	-6.12	-1.20	51.97	26.61	23.22	27.86	34.06	34.16	60 dBA:	118	130
Total:					61.41	58.25	56.97	50.94	59.35	59.98	55 dBA:	254	279

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: Wineville Avenue

Segment: South of Limonite Avenue

Average Daily Traffic: 5500 Vehicles

Vehicle Speed: 45 MPH

Vehicle Mix: 2

Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels								Ldn	CNEL
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	-4.80	-2.86	-1.20	60.49	58.12	56.83	50.77	59.20	59.83	70 dBA:	17	19	
Medium Trucks	77.62	-19.66	-2.86	-1.20	53.90	34.69	26.91	36.12	42.27	42.31	65 dBA:	37	40	
Heavy Trucks	82.14	-17.44	-2.86	-1.20	60.64	43.65	35.87	45.08	51.23	51.26	60 dBA:	79	86	
Total:					64.02	58.29	56.86	51.92	59.92	60.47	55 dBA:	170	185	

Road Name: Etiwanda Avenue

Segment: North of Limonite Avenue

Average Daily Traffic: 17300 Vehicles

Vehicle Speed: 45 MPH

Vehicle Mix: 1

Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 150 FEET FROM CENTERLINE (Equiv. Lane Dist: 146.55 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels								Ldn	CNEL
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	0.43	-7.11	-1.20	61.47	59.34	58.03	52.02	60.44	61.06	70 dBA:	35	38	
Medium Trucks	77.62	-16.81	-7.11	-1.20	52.50	31.26	37.28	18.98	32.13	34.88	65 dBA:	75	82	
Heavy Trucks	82.14	-20.76	-7.11	-1.20	53.07	27.72	24.32	28.97	35.17	35.26	60 dBA:	161	177	
Total:					62.51	59.35	58.07	52.04	60.46	61.09	55 dBA:	347	382	

Road Name: Riverside Drive

Segment: West of Archibald Avenue

Average Daily Traffic: 27400 Vehicles

Vehicle Speed: 45 MPH

Vehicle Mix: 1

Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 60 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.99 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels								Ldn	CNEL
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	2.43	-0.72	-1.20	69.85	67.72	66.41	60.40	68.82	69.45	70 dBA:	50	55	
Medium Trucks	77.62	-14.81	-0.72	-1.20	60.89	39.64	45.66	27.37	40.51	43.26	65 dBA:	108	119	
Heavy Trucks	82.14	-18.77	-0.72	-1.20	61.45	36.10	32.70	37.35	43.55	43.64	60 dBA:	233	257	
Total:					70.89	67.73	66.45	60.42	68.84	69.47	55 dBA:	502	553	

Road Name: Riverside Drive

Segment: East of Archibald Avenue

Average Daily Traffic: 27600 Vehicles

Vehicle Speed: 45 MPH

Vehicle Mix: 1

Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.76 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels								Ldn	CNEL
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	2.46	-1.89	-1.20	68.71	66.59	65.28	59.27	67.69	68.31	70 dBA:	49	54	
Medium Trucks	77.62	-14.78	-1.89	-1.20	59.75	38.50	44.53	26.23	39.38	42.13	65 dBA:	106	117	
Heavy Trucks	82.14	-18.74	-1.89	-1.20	60.32	34.97	31.57	36.22	42.41	42.51	60 dBA:	228	252	
Total:					69.76	66.60	65.32	59.29	67.71	68.34	55 dBA:	492	542	

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Merrill Avenue **Segment:** West of Archibald Avenue
Average Daily Traffic: 10900 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 50 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.36 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	-2.28	-0.02	-1.20	67.62	65.25	63.95	57.90	66.33	66.96	70 dBA:	31	34
Medium Trucks	78.79	-17.15	-0.02	-1.20	60.43	41.22	33.44	42.64	48.80	48.83	65 dBA:	67	73
Heavy Trucks	83.02	-14.93	-0.02	-1.20	66.87	49.88	42.10	51.31	57.46	57.50	60 dBA:	145	158
Total:				70.70	65.39	63.98	58.86	66.93	67.49	55 dBA:		312	340

Road Name: Kimball Avenue **Segment:** West of Grove Avenue
Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:				27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:		1	1

Road Name: Kimball Avenue **Segment:** West of Flight Avenue
Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:				27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:		1	1

Road Name: Kimball Avenue **Segment:** West of Hellman Avenue
Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	-42.66	-3.09	-1.20	24.17	21.80	20.51	14.45	22.89	23.52	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-3.09	-1.20	16.98	-2.23	-10.01	-0.80	5.35	5.39	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-3.09	-1.20	23.43	6.44	-1.34	7.86	14.02	14.05	60 dBA:	0	0
Total:				27.25	21.94	20.54	15.42	23.48	24.04	55 dBA:		1	1

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: Limonite Avenue **Segment: West of Ontario Avenue**
 Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-42.66	-2.90	-1.20	24.37	22.00	20.70	14.65	23.08	23.71	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-2.90	-1.20	17.17	-2.03	-9.82	-0.61	5.55	5.58	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-2.90	-1.20	23.62	6.63	-1.15	8.06	14.21	14.24	60 dBA:	0	0
Total:					27.45	22.14	20.73	15.61	23.68	24.24	55 dBA:	1	1

Road Name: Limonite Avenue **Segment: West of Archibald Avenue**
 Average Daily Traffic: 1 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	-42.66	-2.90	-1.20	24.37	22.00	20.70	14.65	23.08	23.71	70 dBA:	0	0
Medium Trucks	78.79	-57.52	-2.90	-1.20	17.17	-2.03	-9.82	-0.61	5.55	5.58	65 dBA:	0	0
Heavy Trucks	83.02	-55.31	-2.90	-1.20	23.62	6.63	-1.15	8.06	14.21	14.24	60 dBA:	0	0
Total:					27.45	22.14	20.73	15.61	23.68	24.24	55 dBA:	1	1

Road Name: Limonite Avenue **Segment: East of Project Driveway 3**
 Average Daily Traffic: 39300 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	3.74	-2.90	-1.20	68.99	66.62	65.33	59.27	67.71	68.34	70 dBA:	71	77
Medium Trucks	77.62	-11.12	-2.90	-1.20	62.40	43.20	35.41	44.62	50.78	50.81	65 dBA:	152	166
Heavy Trucks	82.14	-8.90	-2.90	-1.20	69.14	52.15	44.37	53.58	59.73	59.77	60 dBA:	328	357
Total:					72.52	66.79	65.37	60.43	68.42	68.97	55 dBA:	707	768

Road Name: Limonite Avenue **Segment: East of Harrison Avenue**
 Average Daily Traffic: 42300 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	3.61	-3.81	-1.20	69.72	67.35	66.06	60.00	68.43	69.06	70 dBA:	86	94
Medium Trucks	78.79	-11.26	-3.81	-1.20	62.53	43.32	35.54	44.75	50.90	50.93	65 dBA:	186	202
Heavy Trucks	83.02	-9.04	-3.81	-1.20	68.97	51.98	44.20	53.41	59.56	59.60	60 dBA:	400	436
Total:					72.80	67.49	66.09	60.97	69.03	69.59	55 dBA:	862	939

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Limonite Avenue **Segment: East of Sumner Avenue**
Average Daily Traffic: 48000 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 1 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL			
Automobiles	71.12	4.40	-2.90	-1.20	71.43	69.31	67.99	61.98	70.40	71.03	70 dBA:	96	106	
Medium Trucks	78.79	-12.83	-2.90	-1.20	61.86	40.61	46.64	28.34	41.49	44.24	65 dBA:	207	228	
Heavy Trucks	83.02	-16.79	-2.90	-1.20	62.13	36.78	33.38	38.03	44.23	44.33	60 dBA:	445	490	
Total:				72.32	69.31	68.03	62.00	70.42	71.05			55 dBA:	959	1057

Road Name: Limonite Avenue **Segment: East of Scholar Way**
Average Daily Traffic: 49100 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 115 FEET FROM CENTERLINE (Equiv. Lane Dist: 104.96 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL			
Automobiles	71.12	4.25	-4.93	-1.20	69.24	66.87	65.57	59.52	67.95	68.58	70 dBA:	92	100	
Medium Trucks	78.79	-10.61	-4.93	-1.20	62.05	42.84	35.06	44.27	50.42	50.45	65 dBA:	198	216	
Heavy Trucks	83.02	-8.39	-4.93	-1.20	68.49	51.50	43.72	52.93	59.08	59.12	60 dBA:	427	465	
Total:				72.32	67.01	65.61	60.49	68.55	69.11			55 dBA:	920	1003

Road Name: Limonite Avenue **Segment: West of Wineville Avenue**
Average Daily Traffic: 40400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 105 FEET FROM CENTERLINE (Equiv. Lane Dist: 93.89 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL			
Automobiles	69.34	3.86	-4.21	-1.20	67.80	65.43	64.14	58.08	66.51	67.14	70 dBA:	69	75	
Medium Trucks	77.62	-11.00	-4.21	-1.20	61.21	42.00	34.22	43.43	49.58	49.62	65 dBA:	148	161	
Heavy Trucks	82.14	-8.78	-4.21	-1.20	67.95	50.96	43.18	52.39	58.54	58.57	60 dBA:	319	346	
Total:				71.33	65.60	64.17	59.23	67.23	67.78			55 dBA:	686	746

Road Name: Limonite Avenue **Segment: East of Wineville Avenue**
Average Daily Traffic: 36300 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 250 FEET FROM CENTERLINE (Equiv. Lane Dist: 245.54 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL			
Automobiles	72.73	2.53	-10.47	-1.20	63.58	61.21	59.92	53.86	62.30	62.93	70 dBA:	83	90	
Medium Trucks	79.85	-12.34	-10.47	-1.20	55.84	36.64	28.85	38.06	44.22	44.25	65 dBA:	178	195	
Heavy Trucks	83.81	-10.12	-10.47	-1.20	62.02	45.03	37.25	46.46	52.62	52.65	60 dBA:	384	419	
Total:				66.29	61.33	59.94	54.68	62.80	63.37			55 dBA:	828	903

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: Limonite Avenue **Segment: East of Lucretia Avenue**
Average Daily Traffic: 33900 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 190 FEET FROM CENTERLINE (Equiv. Lane Dist: 184.1 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	72.73	2.23	-8.59	-1.20	65.16	62.79	61.50	55.44	63.87	64.51	70 dBA:	80	87
Medium Trucks	79.85	-12.64	-8.59	-1.20	57.42	38.21	30.43	39.64	45.80	45.83	65 dBA:	173	188
Heavy Trucks	83.81	-10.42	-8.59	-1.20	63.60	46.61	38.83	48.04	54.19	54.23	60 dBA:	372	406
Total:					67.87	62.91	61.52	56.26	64.38	64.95	55 dBA:	802	875

Road Name: Limonite Avenue **Segment: East of Etiwanda Avenue**
Average Daily Traffic: 28200 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 51.87 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	1.85	-0.34	-1.20	71.42	69.05	67.76	61.70	70.13	70.76	70 dBA:	78	85
Medium Trucks	78.79	-13.02	-0.34	-1.20	64.23	45.02	37.24	46.45	52.60	52.64	65 dBA:	169	184
Heavy Trucks	83.02	-10.80	-0.34	-1.20	70.67	53.68	45.90	55.11	61.27	61.30	60 dBA:	364	396
Total:					74.50	69.19	67.79	62.67	70.73	71.29	55 dBA:	783	853

Road Name: 65th Street **Segment: East of Archibald Avenue**
Average Daily Traffic: 6700 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 60 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.99 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-3.94	-0.72	-1.20	63.48	61.11	59.82	53.76	62.19	62.83	70 dBA:	20	22
Medium Trucks	77.62	-18.81	-0.72	-1.20	56.89	37.69	29.90	39.11	45.27	45.30	65 dBA:	44	47
Heavy Trucks	82.14	-16.59	-0.72	-1.20	63.63	46.64	38.86	48.07	54.22	54.26	60 dBA:	94	102
Total:					67.01	61.28	59.86	54.91	62.91	63.46	55 dBA:	202	220

Road Name: Pine Avenue **Segment: East of Euclid Avenue**
Average Daily Traffic: 30700 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	2.67	-2.39	-1.20	68.42	66.05	64.76	58.70	67.14	67.77	70 dBA:	54	59
Medium Trucks	77.62	-12.19	-2.39	-1.20	61.83	42.63	34.84	44.05	50.21	50.24	65 dBA:	116	126
Heavy Trucks	82.14	-9.98	-2.39	-1.20	68.57	51.58	43.80	53.01	59.16	59.20	60 dBA:	250	272
Total:					71.95	66.22	64.80	59.86	67.85	68.40	55 dBA:	539	587

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: Pine Avenue				Segment: East of Mill Creek Road				Average Daily Traffic: 33100 Vehicles				Vehicle Speed: 45 MPH				Vehicle Mix: 1				Roadway Classification: Major			
NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)												Centerline Distance to Noise Contour (in feet)											
Noise Adjustments				Unmitigated Noise Levels																			
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL											
Automobiles	69.34	3.25	-4.43	-1.20	66.97	64.84	63.53	57.52	65.94	66.56	70 dBA:	54	59										
Medium Trucks	77.62	-13.99	-4.43	-1.20	58.01	36.76	42.78	24.48	37.63	40.38	65 dBA:	116	128										
Heavy Trucks	82.14	-17.95	-4.43	-1.20	58.57	33.22	29.82	34.47	40.67	40.76	60 dBA:	250	275										
Total:				68.01	64.85	63.57	57.54	65.96	66.59		55 dBA:	538	592										

Road Name: Pine Avenue				Segment: West of Hellman Avenue				Average Daily Traffic: 34800 Vehicles				Vehicle Speed: 45 MPH				Vehicle Mix: 1				Roadway Classification: Major			
NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)												Centerline Distance to Noise Contour (in feet)											
Noise Adjustments				Unmitigated Noise Levels																			
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL											
Automobiles	69.34	3.46	-2.86	-1.20	68.75	66.63	65.32	59.30	67.72	68.35	70 dBA:	57	62										
Medium Trucks	77.62	-13.77	-2.86	-1.20	59.79	38.54	44.56	26.27	39.41	42.16	65 dBA:	122	134										
Heavy Trucks	82.14	-17.73	-2.86	-1.20	60.35	35.00	31.60	36.25	42.45	42.55	60 dBA:	263	289										
Total:				69.80	66.64	65.35	59.33	67.74	68.37		55 dBA:	566	623										

Road Name: Schleisman Road				Segment: West of Archibald Avenue				Average Daily Traffic: 45900 Vehicles				Vehicle Speed: 50 MPH				Vehicle Mix: 2				Roadway Classification: Urban Arterial			
NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)												Centerline Distance to Noise Contour (in feet)											
Noise Adjustments				Unmitigated Noise Levels																			
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL											
Automobiles	71.12	3.96	-2.90	-1.20	70.99	68.61	67.32	61.27	69.70	70.33	70 dBA:	94	103										
Medium Trucks	78.79	-10.91	-2.90	-1.20	63.79	44.58	36.80	46.01	52.17	52.20	65 dBA:	203	221										
Heavy Trucks	83.02	-8.69	-2.90	-1.20	70.24	53.25	45.47	54.67	60.83	60.86	60 dBA:	437	476										
Total:				74.07	68.75	67.35	62.23	70.29	70.85		55 dBA:	942	1026										

Road Name: Schleisman Road				Segment: East of Archibald Avenue				Average Daily Traffic: 23100 Vehicles				Vehicle Speed: 50 MPH				Vehicle Mix: 2				Roadway Classification: Urban Arterial			
NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)												Centerline Distance to Noise Contour (in feet)											
Noise Adjustments				Unmitigated Noise Levels																			
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL											
Automobiles	71.12	0.98	-2.90	-1.20	68.00	65.63	64.34	58.28	66.72	67.35	70 dBA:	60	65										
Medium Trucks	78.79	-13.89	-2.90	-1.20	60.81	41.60	33.82	43.03	49.18	49.22	65 dBA:	128	140										
Heavy Trucks	83.02	-11.67	-2.90	-1.20	67.26	50.27	42.48	51.69	57.85	57.88	60 dBA:	277	301										
Total:				71.08	65.77	64.37	59.25	67.31	67.87		55 dBA:	596	649										

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2017 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Second Street

Segment: East of River Road

Average Daily Traffic: 14600 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 2

Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	65.11	0.54	-0.04	-1.20	64.41	62.04	60.74	54.69	63.12	63.75	70 dBA:	23	24
Medium Trucks	74.83	-14.33	-0.04	-1.20	59.26	40.05	32.27	41.48	47.63	47.67	65 dBA:	49	53
Heavy Trucks	80.05	-12.11	-0.04	-1.20	66.70	49.71	41.93	51.13	57.29	57.32	60 dBA:	105	114
				Total:	69.18	62.31	60.81	56.42	64.22	64.73	55 dBA:	227	245

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Vehicle Type	Vehicle Mix 1 (Local, Collector, Secondary)				Vehicle Mix 2 (Arterial, Major)				Vehicle Mix 3 (SR-83)			
	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	59.89%	12.27%	14.36%	86.52%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.90%	0.89%	2.48%	8.27%
Heavy Trucks	9.00%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	2.85%	0.27%	2.08%	5.21%

Road Name: Archibald Avenue **Segment: North of Riverside Drive**
 Average Daily Traffic: 39300 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	3.29	-1.12	-1.20	72.09	69.71	68.42	62.37	70.80	71.43	70 dBA:	93	101
Medium Trucks	78.79	-11.58	-1.12	-1.20	64.89	45.69	37.90	47.11	53.27	53.30	65 dBA:	200	218
Heavy Trucks	83.02	-9.36	-1.12	-1.20	71.34	54.35	46.57	55.78	61.93	61.96	60 dBA:	431	470
Total:					75.17	69.86	68.45	63.33	71.40	71.95	55 dBA:	929	1012

Road Name: Archibald Avenue **Segment: North of Chino Avenue**
 Average Daily Traffic: 39200 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	3.28	-1.12	-1.20	72.08	69.70	68.41	62.36	70.79	71.42	70 dBA:	93	101
Medium Trucks	78.79	-11.59	-1.12	-1.20	64.88	45.67	37.89	47.10	53.26	53.29	65 dBA:	200	218
Heavy Trucks	83.02	-9.37	-1.12	-1.20	71.33	54.34	46.56	55.76	61.92	61.95	60 dBA:	431	469
Total:					75.16	69.84	68.44	63.32	71.38	71.94	55 dBA:	928	1011

Road Name: Archibald Avenue **Segment: North of Edison Avenue**
 Average Daily Traffic: 29600 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	2.06	-4.58	-1.20	67.39	65.02	63.73	57.67	66.10	66.74	70 dBA:	66	72
Medium Trucks	78.79	-12.81	-4.58	-1.20	60.20	40.99	33.21	42.42	48.57	48.61	65 dBA:	143	156
Heavy Trucks	83.02	-10.59	-4.58	-1.20	66.64	49.65	41.87	51.08	57.24	57.27	60 dBA:	308	335
Total:					70.47	65.16	63.76	58.64	66.70	67.26	55 dBA:	663	722

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Archibald Avenue Segment: North of Merrill Avenue
 Average Daily Traffic: 32300 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	72.73	2.02	-3.81	-1.20	69.74	67.37	66.08	60.02	68.45	69.08	70 dBA: 85	93	
Medium Trucks	79.85	-12.85	-3.81	-1.20	62.00	42.79	35.01	44.22	50.37	50.41	65 dBA: 184	200	
Heavy Trucks	83.81	-10.63	-3.81	-1.20	68.18	51.19	43.41	52.62	58.77	58.81	60 dBA: 396	432	
Total:					72.45	67.49	66.10	60.84	68.96	69.53	55 dBA: 852	930	

Road Name: Archibald Avenue Segment: North of Limonite Avenue
 Average Daily Traffic: 55800 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	4.81	-3.81	-1.20	70.92	68.55	67.26	61.20	69.64	70.27	70 dBA: 104	113	
Medium Trucks	78.79	-10.06	-3.81	-1.20	63.73	44.52	36.74	45.95	52.10	52.14	65 dBA: 223	243	
Heavy Trucks	83.02	-7.84	-3.81	-1.20	70.18	53.19	45.40	54.61	60.77	60.80	60 dBA: 481	524	
Total:					74.00	68.69	67.29	62.17	70.23	70.79	55 dBA: 1036	1129	

Road Name: Archibald Avenue Segment: South of Limonite Avenue
 Average Daily Traffic: 53800 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	4.65	-1.79	-1.20	72.78	70.41	69.12	63.06	71.50	72.13	70 dBA: 110	120	
Medium Trucks	78.79	-10.22	-1.79	-1.20	65.59	46.38	38.60	47.81	53.96	54.00	65 dBA: 238	259	
Heavy Trucks	83.02	-8.00	-1.79	-1.20	72.04	55.05	47.27	56.47	62.63	62.66	60 dBA: 512	558	
Total:					75.87	70.55	69.15	64.03	72.09	72.65	55 dBA: 1103	1202	

Road Name: Archibald Avenue Segment: South of Project Driveway 1
 Average Daily Traffic: 53800 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	4.65	-1.79	-1.20	72.78	70.41	69.12	63.06	71.50	72.13	70 dBA: 110	120	
Medium Trucks	78.79	-10.22	-1.79	-1.20	65.59	46.38	38.60	47.81	53.96	54.00	65 dBA: 238	259	
Heavy Trucks	83.02	-8.00	-1.79	-1.20	72.04	55.05	47.27	56.47	62.63	62.66	60 dBA: 512	558	
Total:					75.87	70.55	69.15	64.03	72.09	72.65	55 dBA: 1103	1202	

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Archibald Avenue Segment: South of 65th Street
Average Daily Traffic: 49600 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	4.30	-1.79	-1.20	72.43	70.06	68.77	62.71	71.14	71.77	70 dBA:	105	114
Medium Trucks	78.79	-10.57	-1.79	-1.20	65.24	46.03	38.25	47.46	53.61	53.65	65 dBA:	225	245
Heavy Trucks	83.02	-8.35	-1.79	-1.20	71.68	54.69	46.91	56.12	62.27	62.31	60 dBA:	485	528
Total:					75.51	70.20	68.80	63.68	71.74	72.30	55 dBA:	1045	1139

Road Name: Archibald Avenue Segment: South of Schleisman Road
Average Daily Traffic: 35300 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 70.82 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	2.82	-2.37	-1.20	70.37	68.00	66.70	60.65	69.08	69.71	70 dBA:	81	88
Medium Trucks	78.79	-12.05	-2.37	-1.20	63.18	43.97	36.19	45.39	51.55	51.58	65 dBA:	174	190
Heavy Trucks	83.02	-9.83	-2.37	-1.20	69.62	52.63	44.85	54.06	60.21	60.25	60 dBA:	376	409
Total:					73.45	68.14	66.74	61.62	69.68	70.24	55 dBA:	809	881

Road Name: Archibald Avenue Segment: South of Chandler Street
Average Daily Traffic: 27300 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	1.70	-1.79	-1.20	69.84	67.47	66.17	60.12	68.55	69.18	70 dBA:	70	76
Medium Trucks	78.79	-13.16	-1.79	-1.20	62.65	43.44	35.66	44.86	51.02	51.05	65 dBA:	151	165
Heavy Trucks	83.02	-10.94	-1.79	-1.20	69.09	52.10	44.32	53.53	59.68	59.72	60 dBA:	326	355
Total:					72.92	67.61	66.20	61.08	69.15	69.71	55 dBA:	702	765

Road Name: Archibald Avenue Segment: North of River Road
Average Daily Traffic: 28900 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	1.95	-3.81	-1.20	68.07	65.69	64.40	58.35	66.78	67.41	70 dBA:	67	73
Medium Trucks	78.79	-12.91	-3.81	-1.20	60.87	41.66	33.88	43.09	49.25	49.28	65 dBA:	144	157
Heavy Trucks	83.02	-10.70	-3.81	-1.20	67.32	50.33	42.55	51.75	57.91	57.94	60 dBA:	310	338
Total:					71.15	65.84	64.43	59.31	67.38	67.93	55 dBA:	668	728

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITHOUT PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: **Harrison Avenue** Segment: **North of Limonite Avenue**
Average Daily Traffic: 6600 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Local

Vehicle Type	NOISE PARAMETERS AT 50 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.51 ft)										Centerline Distance to		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	59.44	-1.20	-0.04	-1.20	57.00	54.88	53.56	47.55	55.97	56.60	70 dBA:	6	7
Medium Trucks	71.09	-18.44	-0.04	-1.20	51.41	30.16	36.18	17.89	31.03	33.78	65 dBA:	13	14
Heavy Trucks	78.74	-22.40	-0.04	-1.20	55.10	43.86	26.35	31.00	42.29	42.32	60 dBA:	28	30
	Total:				59.84	55.22	53.65	47.65	56.17	56.78	55 dBA:	60	66

Road Name: **Harrison Avenue** Segment: **South of Limonite Avenue**
Average Daily Traffic: 8200 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.76 ft)										Centerline Distance to		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-3.06	-1.89	-1.20	63.20	60.82	59.53	53.48	61.91	62.54	70 dBA:	23	25
Medium Trucks	77.62	-17.93	-1.89	-1.20	56.61	37.40	29.62	38.82	44.98	45.01	65 dBA:	49	53
Heavy Trucks	82.14	-15.71	-1.89	-1.20	63.34	46.35	38.57	47.78	53.94	53.97	60 dBA:	105	114
	Total:				66.73	60.99	59.57	54.63	62.63	63.17	55 dBA:	226	245

Road Name: **Sumner Avenue** Segment: **North of Limonite Avenue**
Average Daily Traffic: 11500 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.74 ft)										Centerline Distance to		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-1.59	-3.69	-1.20	62.86	60.49	59.19	53.14	61.57	62.20	70 dBA:	28	30
Medium Trucks	77.62	-16.46	-3.69	-1.20	56.27	37.06	29.28	38.49	44.64	44.68	65 dBA:	59	65
Heavy Trucks	82.14	-14.24	-3.69	-1.20	63.01	46.02	38.24	47.45	53.60	53.63	60 dBA:	128	139
	Total:				66.39	60.66	59.23	54.29	62.29	62.83	55 dBA:	276	300

Road Name: **Sumner Avenue** Segment: **South of Limonite Avenue**
Average Daily Traffic: 16100 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 81.54 ft)										Centerline Distance to		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	0.12	-3.29	-1.20	64.97	62.85	61.54	55.52	63.94	64.57	70 dBA:	34	37
Medium Trucks	77.62	-17.12	-3.29	-1.20	56.01	34.76	40.78	22.49	35.63	38.39	65 dBA:	73	80
Heavy Trucks	82.14	-21.08	-3.29	-1.20	56.58	45.33	27.82	32.47	43.76	43.79	60 dBA:	157	173
	Total:				66.02	62.93	61.57	55.55	63.99	64.62	55 dBA:	338	372

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Wineville Avenue

Segment: South of Limonite Avenue

Average Daily Traffic: 5700 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	-4.64	-2.86	-1.20	60.65	58.27	56.98	50.93	59.36	59.99	70 dBA:	17	19
Medium Trucks	77.62	-19.51	-2.86	-1.20	54.06	34.85	27.07	36.28	42.43	42.46	65 dBA:	38	41
Heavy Trucks	82.14	-17.29	-2.86	-1.20	60.79	43.80	36.02	45.23	51.39	51.42	60 dBA:	81	88
Total:					64.18	58.45	57.02	52.08	60.08	60.62	55 dBA:	174	190

Road Name: Etiwanda Avenue

Segment: North of Limonite Avenue

Average Daily Traffic: 18600 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 150 FEET FROM CENTERLINE (Equiv. Lane Dist: 146.55 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	0.74	-7.11	-1.20	61.78	59.66	58.34	52.33	60.75	61.38	70 dBA:	37	40
Medium Trucks	77.62	-16.49	-7.11	-1.20	52.82	31.57	37.59	19.30	32.44	35.19	65 dBA:	79	87
Heavy Trucks	82.14	-20.45	-7.11	-1.20	53.38	42.13	24.63	29.28	40.56	40.59	60 dBA:	170	187
Total:					62.82	59.74	58.38	52.36	60.80	61.43	55 dBA:	365	402

Road Name: Riverside Drive

Segment: West of Archibald Avenue

Average Daily Traffic: 19200 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 60 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.99 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	0.88	-0.72	-1.20	68.30	66.18	64.87	58.86	67.28	67.90	70 dBA:	40	44
Medium Trucks	77.62	-16.36	-0.72	-1.20	59.34	38.09	44.11	25.82	38.96	41.72	65 dBA:	86	94
Heavy Trucks	82.14	-20.31	-0.72	-1.20	59.91	48.66	31.16	35.80	47.09	47.12	60 dBA:	185	203
Total:					69.35	66.26	64.91	58.88	67.32	67.95	55 dBA:	398	438

Road Name: Riverside Drive

Segment: East of Archibald Avenue

Average Daily Traffic: 19000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.76 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	0.84	-1.89	-1.20	67.09	64.97	63.66	57.65	66.06	66.69	70 dBA:	39	42
Medium Trucks	77.62	-16.40	-1.89	-1.20	58.13	36.88	42.90	24.61	37.75	40.51	65 dBA:	83	91
Heavy Trucks	82.14	-20.36	-1.89	-1.20	58.70	47.45	29.95	34.59	45.88	45.91	60 dBA:	179	197
Total:					68.14	65.05	63.70	57.67	66.11	66.74	55 dBA:	385	424

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Chino Avenue Segment: West of Archibald Avenue
 Average Daily Traffic: 19200 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 1 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 65 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.51 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	1.39	-1.76	-1.20	65.79	63.67	62.35	56.34	64.76	65.39	70 dBA: 29	32
Medium Trucks	76.31	-15.84	-1.76	-1.20	57.51	36.26	42.28	23.98	37.13	39.88	65 dBA: 63	70
Heavy Trucks	81.16	-19.80	-1.76	-1.20	58.40	47.15	29.65	34.29	45.58	45.61	60 dBA: 136	150
Total:					67.03	63.77	62.40	56.37	64.82	65.45	55 dBA: 294	323

Road Name: Chino Avenue Segment: East of Archibald Avenue
 Average Daily Traffic: 11300 Vehicles Vehicle Speed: 40 MPH Vehicle Mix: 2 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.42 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	67.36	-1.16	-0.65	-1.20	64.35	61.98	60.68	54.63	63.06	63.69	70 dBA: 22	24
Medium Trucks	76.31	-16.02	-0.65	-1.20	58.43	39.23	31.44	40.65	46.81	46.84	65 dBA: 47	51
Heavy Trucks	81.16	-13.81	-0.65	-1.20	65.50	48.51	40.73	49.94	56.09	56.12	60 dBA: 101	109
Total:					68.43	62.19	60.73	56.03	63.94	64.47	55 dBA: 217	235

Road Name: Edison Avenue Segment: West of Archibald Avenue
 Average Daily Traffic: 59500 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 94.74 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	5.55	-4.27	-1.20	69.42	67.05	65.76	59.70	68.14	68.77	70 dBA: 84	91
Medium Trucks	77.62	-9.32	-4.27	-1.20	62.83	43.63	35.84	45.05	51.21	51.24	65 dBA: 181	196
Heavy Trucks	82.14	-7.10	-4.27	-1.20	69.57	52.58	44.80	54.01	60.16	60.20	60 dBA: 389	423
Total:					72.95	67.22	65.80	60.86	68.85	69.40	55 dBA: 839	912

Road Name: Edison Avenue Segment: East of Archibald Avenue
 Average Daily Traffic: 45100 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 84.12 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	4.59	-3.49	-1.20	69.24	67.12	65.81	59.80	68.21	68.84	70 dBA: 69	76
Medium Trucks	77.62	-12.65	-3.49	-1.20	60.28	39.03	45.05	26.76	39.90	42.66	65 dBA: 149	163
Heavy Trucks	82.14	-16.60	-3.49	-1.20	60.85	49.60	32.10	36.74	48.03	48.06	60 dBA: 320	352
Total:					70.29	67.20	65.85	59.82	68.26	68.89	55 dBA: 689	759

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITHOUT PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: Limonite Avenue **Segment: West of Ontario Avenue**
Average Daily Traffic: 24400 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	1.22	-2.90	-1.20	68.24	65.87	64.58	58.52	66.95	67.58	70 dBA:	62	67
Medium Trucks	78.79	-13.65	-2.90	-1.20	61.05	41.84	34.06	43.27	49.42	49.46	65 dBA:	133	145
Heavy Trucks	83.02	-11.43	-2.90	-1.20	67.49	50.50	42.72	51.93	58.08	58.12	60 dBA:	287	313
	Total:			71.32	66.01	64.61	59.49	67.55	68.11		55 dBA:	618	673

Road Name: Limonite Avenue **Segment: West of Archibald Avenue**
Average Daily Traffic: 23200 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	1.00	-2.90	-1.20	68.02	65.65	64.36	58.30	66.73	67.37	70 dBA:	60	65
Medium Trucks	78.79	-13.87	-2.90	-1.20	60.83	41.62	33.84	43.05	49.20	49.24	65 dBA:	129	140
Heavy Trucks	83.02	-11.65	-2.90	-1.20	67.27	50.28	42.50	51.71	57.87	57.90	60 dBA:	277	302
	Total:			71.10	65.79	64.39	59.27	67.33	67.89		55 dBA:	598	651

Road Name: Limonite Avenue **Segment: East of Project Driveway 3**
Average Daily Traffic: 43400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	4.18	-2.90	-1.20	69.42	67.05	65.76	59.70	68.14	68.77	70 dBA:	75	82
Medium Trucks	77.62	-10.69	-2.90	-1.20	62.84	43.63	35.85	45.05	51.21	51.24	65 dBA:	163	177
Heavy Trucks	82.14	-8.47	-2.90	-1.20	69.57	52.58	44.80	54.01	60.16	60.20	60 dBA:	350	381
	Total:			72.95	67.22	65.80	60.86	68.85	69.40		55 dBA:	755	821

Road Name: Limonite Avenue **Segment: East of Harrison Avenue**
Average Daily Traffic: 44000 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	3.78	-3.81	-1.20	69.89	67.52	66.23	60.17	68.60	69.23	70 dBA:	88	96
Medium Trucks	78.79	-11.09	-3.81	-1.20	62.70	43.49	35.71	44.92	51.07	51.11	65 dBA:	191	208
Heavy Trucks	83.02	-8.87	-3.81	-1.20	69.14	52.15	44.37	53.58	59.73	59.77	60 dBA:	411	447
	Total:			72.97	67.66	66.26	61.14	69.20	69.76		55 dBA:	885	964

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Limonite Avenue **Segment: East of Sumner Avenue**
Average Daily Traffic: 49500 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 1 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	4.54	-2.90	-1.20	71.56	69.44	68.13	62.11	70.53	71.16	70 dBA:	98	108
Medium Trucks	78.79	-12.70	-2.90	-1.20	62.00	40.75	46.77	28.48	41.62	44.37	65 dBA:	212	233
Heavy Trucks	83.02	-16.66	-2.90	-1.20	62.27	51.02	33.52	38.17	49.45	49.48	60 dBA:	456	502
Total:					72.45	69.51	68.16	62.13	70.57	71.20	55 dBA:	983	1082

Road Name: Limonite Avenue **Segment: East of Scholar Way**
Average Daily Traffic: 51100 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 115 FEET FROM CENTERLINE (Equiv. Lane Dist: 104.96 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	4.43	-4.93	-1.20	69.41	67.04	65.75	59.69	68.12	68.76	70 dBA:	95	103
Medium Trucks	78.79	-10.44	-4.93	-1.20	62.22	43.01	35.23	44.44	50.59	50.63	65 dBA:	204	222
Heavy Trucks	83.02	-8.22	-4.93	-1.20	68.67	51.68	43.89	53.10	59.26	59.29	60 dBA:	439	478
Total:					72.49	67.18	65.78	60.66	68.72	69.28	55 dBA:	945	1030

Road Name: Limonite Avenue **Segment: West of Wineville Avenue**
Average Daily Traffic: 66000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 105 FEET FROM CENTERLINE (Equiv. Lane Dist: 93.89 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	6.00	-4.21	-1.20	69.93	67.56	66.27	60.21	68.64	69.27	70 dBA:	95	104
Medium Trucks	77.62	-8.87	-4.21	-1.20	63.34	44.13	36.35	45.56	51.72	51.75	65 dBA:	205	223
Heavy Trucks	82.14	-6.65	-4.21	-1.20	70.08	53.09	45.31	54.52	60.67	60.71	60 dBA:	442	480
Total:					73.46	67.73	66.31	61.36	69.36	69.91	55 dBA:	952	1035

Road Name: Limonite Avenue **Segment: East of Wineville Avenue**
Average Daily Traffic: 53700 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 250 FEET FROM CENTERLINE (Equiv. Lane Dist: 245.54 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments			Unmitigated Noise Levels							Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	72.73	4.23	-10.47	-1.20	65.28	62.91	61.62	55.56	64.00	64.63	70 dBA:	107	117
Medium Trucks	79.85	-10.64	-10.47	-1.20	57.54	38.34	30.55	39.76	45.92	45.95	65 dBA:	232	253
Heavy Trucks	83.81	-8.42	-10.47	-1.20	63.72	46.73	38.95	48.16	54.32	54.35	60 dBA:	499	544
Total:					67.99	63.03	61.65	56.39	64.50	65.07	55 dBA:	1075	1173

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Limonite Avenue **Segment: East of Lucretia Avenue**
Average Daily Traffic: 56000 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 190 FEET FROM CENTERLINE (Equiv. Lane Dist: 184.1 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	72.73	4.41	-8.59	-1.20	67.34	64.97	63.68	57.62	66.05	66.69	70 dBA: 112	122
Medium Trucks	79.85	-10.46	-8.59	-1.20	59.60	40.39	32.61	41.82	47.98	48.01	65 dBA: 241	263
Heavy Trucks	83.81	-8.24	-8.59	-1.20	65.78	48.79	41.01	50.22	56.37	56.41	60 dBA: 520	567
Total:					70.05	65.09	63.70	58.44	66.56	67.13	55 dBA: 1120	1223

Road Name: Limonite Avenue **Segment: East of Etiwanda Avenue**
Average Daily Traffic: 49100 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 51.87 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	4.25	-0.34	-1.20	73.83	71.46	70.17	64.11	72.54	73.17	70 dBA: 113	123
Medium Trucks	78.79	-10.61	-0.34	-1.20	66.64	47.43	39.65	48.86	55.01	55.04	65 dBA: 244	266
Heavy Trucks	83.02	-8.39	-0.34	-1.20	73.08	56.09	48.31	57.52	63.67	63.71	60 dBA: 526	573
Total:					76.91	71.60	70.20	65.08	73.14	73.70	55 dBA: 1133	1235

Road Name: 65th Street **Segment: East of Archibald Avenue**
Average Daily Traffic: 11400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 60 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.99 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	-1.63	-0.72	-1.20	65.79	63.42	62.13	56.07	64.50	65.13	70 dBA: 29	31
Medium Trucks	77.62	-16.50	-0.72	-1.20	59.20	39.99	32.21	41.42	47.57	47.61	65 dBA: 62	67
Heavy Trucks	82.14	-14.28	-0.72	-1.20	65.94	48.95	41.17	50.38	56.53	56.56	60 dBA: 134	145
Total:					69.32	63.59	62.16	57.22	65.22	65.77	55 dBA: 288	313

Road Name: Pine Avenue **Segment: East of Euclid Avenue**
Average Daily Traffic: 37400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft)										Centerline Distance to Noise Contour (in feet)	
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	3.53	-2.39	-1.20	69.28	66.91	65.62	59.56	67.99	68.62	70 dBA: 62	67
Medium Trucks	77.62	-11.34	-2.39	-1.20	62.69	43.48	35.70	44.91	51.06	51.10	65 dBA: 133	144
Heavy Trucks	82.14	-9.12	-2.39	-1.20	69.43	52.44	44.66	53.87	60.02	60.05	60 dBA: 286	311
Total:					72.81	67.08	65.65	60.71	68.71	69.26	55 dBA: 615	669

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: **YEAR 2035 WITHOUT PROJECT CONDITIONS**

Project: **Eastvale Crossings**
Site Conditions: **Soft**

Road Name: Pine Avenue **Segment: East of Mill Creek Road**
Average Daily Traffic: 34000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	3.36	-4.43	-1.20	67.08	64.96	63.65	57.63	66.05	66.68	70 dBA:	55	61
Medium Trucks	77.62	-13.87	-4.43	-1.20	58.12	36.87	42.89	24.60	37.74	40.50	65 dBA:	118	130
Heavy Trucks	82.14	-17.83	-4.43	-1.20	58.69	47.44	29.94	34.58	45.87	45.90	60 dBA:	255	281
Total:					68.13	65.04	63.69	57.66	66.10	66.73	55 dBA:	550	605

Road Name: Pine Avenue **Segment: West of Hellman Avenue**
Average Daily Traffic: 38100 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	69.34	3.86	-2.86	-1.20	69.14	67.02	65.71	59.70	68.12	68.74	70 dBA:	60	66
Medium Trucks	77.62	-13.38	-2.86	-1.20	60.18	38.93	44.96	26.66	39.81	42.56	65 dBA:	130	143
Heavy Trucks	82.14	-17.34	-2.86	-1.20	60.75	49.50	32.00	36.65	47.93	47.96	60 dBA:	280	308
Total:					70.19	67.10	65.75	59.72	68.16	68.79	55 dBA:	604	664

Road Name: Schleisman Road **Segment: West of Archibald Avenue**
Average Daily Traffic: 49900 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	4.32	-2.90	-1.20	71.35	68.98	67.68	61.63	70.06	70.69	70 dBA:	100	108
Medium Trucks	78.79	-10.54	-2.90	-1.20	64.16	44.95	37.17	46.37	52.53	52.56	65 dBA:	214	234
Heavy Trucks	83.02	-8.32	-2.90	-1.20	70.60	53.61	45.83	55.04	61.19	61.23	60 dBA:	462	503
Total:					74.43	69.12	67.72	62.59	70.66	71.22	55 dBA:	996	1085

Road Name: Schleisman Road **Segment: East of Archibald Avenue**
Average Daily Traffic: 47500 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL		
Automobiles	71.12	4.11	-2.90	-1.20	71.13	68.76	67.47	61.41	69.85	70.48	70 dBA:	96	105
Medium Trucks	78.79	-10.76	-2.90	-1.20	63.94	44.73	36.95	46.16	52.31	52.35	65 dBA:	208	226
Heavy Trucks	83.02	-8.54	-2.90	-1.20	70.39	53.40	45.62	54.82	60.98	61.01	60 dBA:	447	487
Total:					74.22	68.90	67.50	62.38	70.44	71.00	55 dBA:	963	1050

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITHOUT PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Second Street

Segment: East of River Road

Average Daily Traffic: 21500 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 2

Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	65.11	2.22	-0.04	-1.20	66.09	63.72	62.42	56.37	64.80	65.43	70 dBA:	29	32
Medium Trucks	74.83	-12.65	-0.04	-1.20	60.94	41.73	33.95	43.16	49.31	49.35	65 dBA:	63	68
Heavy Trucks	80.05	-10.43	-0.04	-1.20	68.38	51.39	43.61	52.81	58.97	59.00	60 dBA:	136	147
Total:					70.86	63.99	62.49	58.10	65.91	66.41	55 dBA:	293	317

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Vehicle Type	Vehicle Mix 1 (Local, Collector, Secondary)				Vehicle Mix 2 (Arterial, Major)				Vehicle Mix 3 (SR-83)			
	Day	Evening	Night	Daily	Day	Evening	Night	Daily	Day	Evening	Night	Daily
Automobiles	73.60%	13.60%	10.22%	97.42%	69.50%	12.90%	9.60%	92.00%	59.89%	12.27%	14.36%	86.52%
Medium Trucks	0.90%	0.90%	0.04%	1.84%	1.44%	0.06%	1.50%	3.00%	4.90%	0.89%	2.48%	8.27%
Heavy Trucks	9.00%	0.04%	0.35%	0.74%	2.40%	0.10%	2.50%	5.00%	2.85%	0.27%	2.08%	5.21%

Road Name: Archibald Avenue **Segment: North of Riverside Drive**
 Average Daily Traffic: 40500 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	3.42	-1.12	-1.20	72.22	69.85	68.55	62.50	70.93	71.56	70 dBA:	95	103
Medium Trucks	78.79	-11.45	-1.12	-1.20	65.02	45.82	38.03	47.24	53.40	53.43	65 dBA:	204	223
Heavy Trucks	83.02	-9.23	-1.12	-1.20	71.47	54.48	46.70	55.91	62.06	62.09	60 dBA:	440	479
Total:					75.30	69.99	68.58	63.46	71.53	72.08	55 dBA:	948	1033

Road Name: Archibald Avenue **Segment: North of Chino Avenue**
 Average Daily Traffic: 41200 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 58.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	3.49	-1.12	-1.20	72.29	69.92	68.63	62.57	71.00	71.63	70 dBA:	96	104
Medium Trucks	78.79	-11.37	-1.12	-1.20	65.10	45.89	38.11	47.32	53.47	53.51	65 dBA:	207	225
Heavy Trucks	83.02	-9.16	-1.12	-1.20	71.54	54.55	46.77	55.98	62.13	62.17	60 dBA:	445	485
Total:					75.37	70.06	68.66	63.54	71.60	72.16	55 dBA:	959	1045

Road Name: Archibald Avenue **Segment: North of Edison Avenue**
 Average Daily Traffic: 32500 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 110 FEET FROM CENTERLINE (Equiv. Lane Dist: 99.45 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	71.12	2.46	-4.58	-1.20	67.80	65.43	64.13	58.08	66.51	67.14	70 dBA:	71	77
Medium Trucks	78.79	-12.41	-4.58	-1.20	60.61	41.40	33.62	42.82	48.98	49.01	65 dBA:	152	166
Heavy Trucks	83.02	-10.19	-4.58	-1.20	67.05	50.06	42.28	51.49	57.64	57.68	60 dBA:	328	357
Total:					70.88	65.57	64.17	59.04	67.11	67.67	55 dBA:	706	769

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITH PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: Archibald Avenue	Segment: North of Merrill Avenue		
Average Daily Traffic: 36400 Vehicles	Vehicle Speed: 55 MPH	Vehicle Mix: 2	Roadway Classification: Urban Arterial

NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)											Centerline Distance to Noise Contour (in feet)		
Vehicle Type	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	72.73	2.54	-3.81	-1.20	70.26	67.89	66.59	60.54	68.97	69.60	70 dBA:	92	101
Medium Trucks	79.85	-12.33	-3.81	-1.20	62.52	43.31	35.53	44.74	50.89	50.93	65 dBA:	199	217
Heavy Trucks	83.81	-10.11	-3.81	-1.20	68.70	51.71	43.93	53.14	59.29	59.33	60 dBA:	428	467
Total:					72.97	68.01	66.62	61.36	69.48	70.05	55 dBA:	923	1007

Road Name: Archibald Avenue	Segment: North of Limonite Avenue		
Average Daily Traffic: 60400 Vehicles	Vehicle Speed: 50 MPH	Vehicle Mix: 2	Roadway Classification: Urban Arterial

NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)											Centerline Distance to Noise Contour (in feet)		
Vehicle Type	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	5.15	-3.81	-1.20	71.27	68.90	67.60	61.55	69.98	70.61	70 dBA:	109	119
Medium Trucks	78.79	-9.71	-3.81	-1.20	64.07	44.87	37.08	46.29	52.45	52.48	65 dBA:	235	256
Heavy Trucks	83.02	-7.50	-3.81	-1.20	70.52	53.53	45.75	54.96	61.11	61.14	60 dBA:	507	553
Total:					74.35	69.04	67.63	62.51	70.58	71.14	55 dBA:	1093	1190

Road Name: Archibald Avenue	Segment: South of Limonite Avenue		
Average Daily Traffic: 57200 Vehicles	Vehicle Speed: 50 MPH	Vehicle Mix: 2	Roadway Classification: Urban Arterial

NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)											Centerline Distance to Noise Contour (in feet)		
Vehicle Type	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	4.92	-1.79	-1.20	73.05	70.68	69.39	63.33	71.76	72.39	70 dBA:	115	125
Medium Trucks	78.79	-9.95	-1.79	-1.20	65.86	46.65	38.87	48.08	54.23	54.26	65 dBA:	248	270
Heavy Trucks	83.02	-7.73	-1.79	-1.20	72.30	55.31	47.53	56.74	62.89	62.93	60 dBA:	533	581
Total:					76.13	70.82	69.42	64.30	72.36	72.92	55 dBA:	1149	1252

Road Name: Archibald Avenue	Segment: South of Project Driveway 1		
Average Daily Traffic: 57300 Vehicles	Vehicle Speed: 50 MPH	Vehicle Mix: 2	Roadway Classification: Urban Arterial

NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)											Centerline Distance to Noise Contour (in feet)		
Vehicle Type	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	4.92	-1.79	-1.20	73.06	70.69	69.39	63.34	71.77	72.40	70 dBA:	115	125
Medium Trucks	78.79	-9.94	-1.79	-1.20	65.87	46.66	38.88	48.08	54.24	54.27	65 dBA:	248	270
Heavy Trucks	83.02	-7.72	-1.79	-1.20	72.31	55.32	47.54	56.75	62.90	62.94	60 dBA:	534	582
Total:					76.14	70.83	69.42	64.30	72.37	72.93	55 dBA:	1151	1254

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Archibald Avenue		Segment: South of 65th Street									
Average Daily Traffic: 52500 Vehicles		Vehicle Speed: 50 MPH		Vehicle Mix: 2		Roadway Classification: Urban Arterial					
NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to	
Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL
Automobiles	71.12	4.54	-1.79	-1.20	72.68	70.31	69.01	62.96	71.39	72.02	70 dBA: 109 118
Medium Trucks	78.79	-10.32	-1.79	-1.20	65.49	46.28	38.50	47.70	53.86	53.89	65 dBA: 234 255
Heavy Trucks	83.02	-8.10	-1.79	-1.20	71.93	54.94	47.16	56.37	62.52	62.56	60 dBA: 504 549
Total:				75.76	70.45	69.04	63.92	71.99	72.55	55 dBA: 1085 1183	

Road Name: Archibald Avenue		Segment: South of Schleisman Road									
Average Daily Traffic: 37300 Vehicles		Vehicle Speed: 50 MPH		Vehicle Mix: 2		Roadway Classification: Urban Arterial					
NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 70.82 ft)										Centerline Distance to	
Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL
Automobiles	71.12	3.06	-2.37	-1.20	70.61	68.24	66.94	60.89	69.32	69.95	70 dBA: 84 91
Medium Trucks	78.79	-11.81	-2.37	-1.20	63.42	44.21	36.43	45.63	51.79	51.82	65 dBA: 181 197
Heavy Trucks	83.02	-9.59	-2.37	-1.20	69.86	52.87	45.09	54.30	60.45	60.49	60 dBA: 390 424
Total:				73.69	68.38	66.98	61.85	69.92	70.48	55 dBA: 839 914	

Road Name: Archibald Avenue		Segment: South of Chandler Street									
Average Daily Traffic: 28600 Vehicles		Vehicle Speed: 50 MPH		Vehicle Mix: 2		Roadway Classification: Urban Arterial					
NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 64.74 ft)										Centerline Distance to	
Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL
Automobiles	71.12	1.91	-1.79	-1.20	70.04	67.67	66.37	60.32	68.75	69.38	70 dBA: 72 79
Medium Trucks	78.79	-12.96	-1.79	-1.20	62.85	43.64	35.86	45.07	51.22	51.25	65 dBA: 156 170
Heavy Trucks	83.02	-10.74	-1.79	-1.20	69.29	52.30	44.52	53.73	59.88	59.92	60 dBA: 336 366
Total:				73.12	67.81	66.41	61.29	69.35	69.91	55 dBA: 724 789	

Road Name: Archibald Avenue		Segment: North of River Road									
Average Daily Traffic: 29900 Vehicles		Vehicle Speed: 50 MPH		Vehicle Mix: 2		Roadway Classification: Urban Arterial					
NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to	
Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL
Automobiles	71.12	2.10	-3.81	-1.20	68.21	65.84	64.55	58.49	66.93	67.56	70 dBA: 68 74
Medium Trucks	78.79	-12.77	-3.81	-1.20	61.02	41.81	34.03	43.24	49.39	49.43	65 dBA: 147 160
Heavy Trucks	83.02	-10.55	-3.81	-1.20	67.47	50.48	42.69	51.90	58.06	58.09	60 dBA: 317 346
Total:				71.29	65.98	64.58	59.46	67.52	68.08	55 dBA: 684 745	

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: River Road **Segment: North of Bluff Street**
 Average Daily Traffic: 48400 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 160 FEET FROM CENTERLINE (Equiv. Lane Dist: 158.19 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	72.73	3.78	-7.61	-1.20	67.70	65.32	64.03	57.98	66.41	67.04	70 dBA:	100	109
Medium Trucks	79.85	-11.09	-7.61	-1.20	59.96	40.75	32.97	42.18	48.33	48.36	65 dBA:	215	234
Heavy Trucks	83.81	-8.87	-7.61	-1.20	66.14	49.15	41.37	50.57	56.73	56.76	60 dBA:	462	505
Total:					70.41	65.44	64.06	58.80	66.91	67.48	55 dBA:	996	1087

Road Name: River Road **Segment: South of Bluff Street**
 Average Daily Traffic: 42000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 81.54 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	4.03	-3.29	-1.20	68.89	66.52	65.22	59.17	67.60	68.23	70 dBA:	66	71
Medium Trucks	77.62	-10.83	-3.29	-1.20	62.30	43.09	35.31	44.52	50.67	50.71	65 dBA:	141	154
Heavy Trucks	82.14	-8.62	-3.29	-1.20	69.04	52.05	44.27	53.47	59.63	59.66	60 dBA:	305	331
Total:					72.42	66.69	65.26	60.32	68.32	68.86	55 dBA:	657	714

Road Name: River Road **Segment: South of Coydon Avenue**
 Average Daily Traffic: 41800 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	4.01	-2.86	-1.20	69.30	66.93	65.63	59.58	68.01	68.64	70 dBA:	66	72
Medium Trucks	77.62	-10.85	-2.86	-1.20	62.71	43.50	35.72	44.93	51.08	51.12	65 dBA:	142	154
Heavy Trucks	82.14	-8.64	-2.86	-1.20	69.45	52.46	44.68	53.88	60.04	60.07	60 dBA:	305	332
Total:					72.83	67.10	65.67	60.73	68.73	69.27	55 dBA:	658	716

Road Name: River Road **Segment: South of Second Street**
 Average Daily Traffic: 29900 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels								
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	2.81	-2.39	-1.20	68.56	66.43	65.12	59.11	67.53	68.16	70 dBA:	52	57
Medium Trucks	77.62	-14.43	-2.39	-1.20	59.60	38.35	44.37	26.07	39.22	41.97	65 dBA:	111	123
Heavy Trucks	82.14	-18.39	-2.39	-1.20	60.16	48.91	31.41	36.06	47.34	47.37	60 dBA:	240	264
Total:					69.60	66.52	65.16	59.13	67.58	68.20	55 dBA:	517	569

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Harrison Avenue **Segment: North of Limonite Avenue**
Average Daily Traffic: 6900 Vehicles Vehicle Speed: 25 MPH Vehicle Mix: 1 Roadway Classification: Local

	NOISE PARAMETERS AT 50 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.51 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	59.44	-1.01	-0.04	-1.20	57.19	55.07	53.76	47.74	56.16	56.79	70 dBA:	6	7
Medium Trucks	71.09	-18.25	-0.04	-1.20	51.60	30.35	36.37	18.08	31.22	33.97	65 dBA:	13	15
Heavy Trucks	78.74	-22.20	-0.04	-1.20	55.30	44.05	26.55	31.20	42.48	42.51	60 dBA:	29	31
Total:					60.03	55.41	53.84	47.84	56.36	56.97	55 dBA:	62	68

Road Name: Harrison Avenue **Segment: South of Limonite Avenue**
Average Daily Traffic: 8500 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.76 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	-2.91	-1.89	-1.20	63.35	60.98	59.69	53.63	62.06	62.69	70 dBA:	23	25
Medium Trucks	77.62	-17.77	-1.89	-1.20	56.76	37.55	29.77	38.98	45.13	45.17	65 dBA:	50	54
Heavy Trucks	82.14	-15.55	-1.89	-1.20	63.50	46.51	38.73	47.94	54.09	54.13	60 dBA:	107	117
Total:					66.88	61.15	59.72	54.78	62.78	63.33	55 dBA:	231	251

Road Name: Sumner Avenue **Segment: North of Limonite Avenue**
Average Daily Traffic: 11900 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 86.74 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	-1.44	-3.69	-1.20	63.01	60.64	59.34	53.29	61.72	62.35	70 dBA:	28	31
Medium Trucks	77.62	-16.31	-3.69	-1.20	56.42	37.21	29.43	38.64	44.79	44.83	65 dBA:	61	66
Heavy Trucks	82.14	-14.09	-3.69	-1.20	63.16	46.17	38.39	47.59	53.75	53.78	60 dBA:	131	142
Total:					66.54	60.81	59.38	54.44	62.44	62.98	55 dBA:	282	307

Road Name: Sumner Avenue **Segment: South of Limonite Avenue**
Average Daily Traffic: 16500 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

	NOISE PARAMETERS AT 85 FEET FROM CENTERLINE (Equiv. Lane Dist: 81.54 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
Vehicle Type	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	0.22	-3.29	-1.20	65.08	62.96	61.64	55.63	64.05	64.68	70 dBA:	34	38
Medium Trucks	77.62	-17.01	-3.29	-1.20	56.12	34.87	40.89	22.60	35.74	38.49	65 dBA:	74	81
Heavy Trucks	82.14	-20.97	-3.29	-1.20	56.68	45.43	27.93	32.58	43.86	43.89	60 dBA:	159	176
Total:					66.12	63.04	61.68	55.65	64.10	64.72	55 dBA:	344	378

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITH PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: **Wineville Avenue** Segment: **South of Limonite Avenue**
Average Daily Traffic: 6000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

		NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)									Centerline Distance to Noise Contour (in feet)		
Vehicle Type		Noise Adjustments			Unmitigated Noise Levels						Ldn	CNEL	
	REMEL	Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	69.34	-4.42	-2.86	-1.20	60.87	58.50	57.20	51.15	59.58	60.21	70 dBA:	18	20
Medium Trucks	77.62	-19.28	-2.86	-1.20	54.28	35.07	27.29	36.50	42.65	42.69	65 dBA:	39	42
Heavy Trucks	82.14	-17.07	-2.86	-1.20	61.02	44.03	36.25	45.45	51.61	51.64	60 dBA:	84	91
Total:					64.40	58.67	57.24	52.30	60.30	60.84	55 dBA:	180	196

Road Name: **Etiwanda Avenue** Segment: **North of Limonite Avenue**
Average Daily Traffic: 19000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Arterial

		NOISE PARAMETERS AT 150 FEET FROM CENTERLINE (Equiv. Lane Dist: 146.55 ft)									Centerline Distance to Noise Contour (in feet)		
Vehicle Type		Noise Adjustments			Unmitigated Noise Levels						Ldn	CNEL	
	REMEL	Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	69.34	0.84	-7.11	-1.20	61.87	59.75	58.44	52.42	60.84	61.47	70 dBA:	37	41
Medium Trucks	77.62	-16.40	-7.11	-1.20	52.91	31.66	37.68	19.39	32.53	35.29	65 dBA:	80	88
Heavy Trucks	82.14	-20.36	-7.11	-1.20	53.48	42.23	24.72	29.37	40.66	40.69	60 dBA:	172	189
Total:					62.92	59.83	58.48	52.45	60.89	61.52	55 dBA:	371	408

Road Name: **Riverside Drive** Segment: **West of Archibald Avenue**
Average Daily Traffic: 19600 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Secondary

		NOISE PARAMETERS AT 60 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.99 ft)									Centerline Distance to Noise Contour (in feet)		
Vehicle Type		Noise Adjustments			Unmitigated Noise Levels						Ldn	CNEL	
	REMEL	Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	69.34	0.97	-0.72	-1.20	68.39	66.27	64.96	58.95	67.36	67.99	70 dBA:	40	44
Medium Trucks	77.62	-16.27	-0.72	-1.20	59.43	38.18	44.20	25.91	39.05	41.81	65 dBA:	87	96
Heavy Trucks	82.14	-20.22	-0.72	-1.20	60.00	48.75	31.25	35.89	47.18	47.21	60 dBA:	187	206
Total:					69.44	66.35	65.00	58.97	67.41	68.04	55 dBA:	403	444

Road Name: **Riverside Drive** Segment: **East of Archibald Avenue**
Average Daily Traffic: 19400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Secondary

		NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 65.76 ft)									Centerline Distance to Noise Contour (in feet)		
Vehicle Type		Noise Adjustments			Unmitigated Noise Levels						Ldn	CNEL	
	REMEL	Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	69.34	0.93	-1.89	-1.20	67.18	65.06	63.75	57.74	66.16	66.78	70 dBA:	39	43
Medium Trucks	77.62	-16.31	-1.89	-1.20	58.22	36.97	42.99	24.70	37.85	40.60	65 dBA:	84	93
Heavy Trucks	82.14	-20.27	-1.89	-1.20	58.79	47.54	30.04	34.68	45.97	46.00	60 dBA:	181	200
Total:					68.23	65.14	63.79	57.76	66.20	66.83	55 dBA:	391	430

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Merrill Avenue **Segment: West of Archibald Avenue**
Average Daily Traffic: 29300 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Collector

Vehicle Type	NOISE PARAMETERS AT 50 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.36 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	2.01	-0.02	-1.20	71.91	69.54	68.25	62.19	70.62	71.26	70 dBA:	60	66
Medium Trucks	78.79	-12.86	-0.02	-1.20	64.72	45.51	37.73	46.94	53.09	53.13	65 dBA:	130	142
Heavy Trucks	83.02	-10.64	-0.02	-1.20	71.16	54.17	46.39	55.60	61.76	61.79	60 dBA:	280	305
Total:					74.99	69.68	68.28	63.16	71.22	71.78	55 dBA:	603	657

Road Name: Kimball Avenue **Segment: West of Grove Avenue**
Average Daily Traffic: 34600 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	2.73	-3.09	-1.20	69.57	67.19	65.90	59.85	68.28	68.91	70 dBA:	76	82
Medium Trucks	78.79	-12.13	-3.09	-1.20	62.37	43.16	35.38	44.59	50.74	50.78	65 dBA:	163	178
Heavy Trucks	83.02	-9.91	-3.09	-1.20	68.82	51.83	44.05	53.25	59.41	59.44	60 dBA:	351	383
Total:					72.65	67.33	65.93	60.81	68.87	69.43	55 dBA:	757	825

Road Name: Kimball Avenue **Segment: West of Flight Avenue**
Average Daily Traffic: 39400 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	3.30	-3.09	-1.20	70.13	67.76	66.46	60.41	68.84	69.47	70 dBA:	83	90
Medium Trucks	78.79	-11.57	-3.09	-1.20	62.94	43.73	35.95	45.15	51.31	51.34	65 dBA:	178	194
Heavy Trucks	83.02	-9.35	-3.09	-1.20	69.38	52.39	44.61	53.82	59.97	60.01	60 dBA:	383	418
Total:					73.21	67.90	66.50	61.38	69.44	70.00	55 dBA:	826	900

Road Name: Kimball Avenue **Segment: West of Hellman Avenue**
Average Daily Traffic: 25100 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Primary Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 79.06 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	1.34	-3.09	-1.20	68.17	65.80	64.51	58.45	66.88	67.51	70 dBA:	61	67
Medium Trucks	78.79	-13.53	-3.09	-1.20	60.98	41.77	33.99	43.20	49.35	49.38	65 dBA:	132	143
Heavy Trucks	83.02	-11.31	-3.09	-1.20	67.42	50.43	42.65	51.86	58.01	58.05	60 dBA:	284	309
Total:					71.25	65.94	64.54	59.42	67.48	68.04	55 dBA:	611	666

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Limonite Avenue **Segment: West of Ontario Avenue**
Average Daily Traffic: 25800 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	1.46	-2.90	-1.20	68.48	66.11	64.82	58.76	67.20	67.83	70 dBA:	64	70
Medium Trucks	78.79	-13.41	-2.90	-1.20	61.29	42.08	34.30	43.51	49.66	49.70	65 dBA:	138	151
Heavy Trucks	83.02	-11.19	-2.90	-1.20	67.74	50.75	42.96	52.17	58.33	58.36	60 dBA:	298	324
Total:					71.56	66.25	64.85	59.73	67.79	68.35	55 dBA:	641	699

Road Name: Limonite Avenue **Segment: West of Archibald Avenue**
Average Daily Traffic: 24600 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	1.25	-2.90	-1.20	68.28	65.90	64.61	58.56	66.99	67.62	70 dBA:	62	68
Medium Trucks	78.79	-13.61	-2.90	-1.20	61.08	41.88	34.09	43.30	49.46	49.49	65 dBA:	134	146
Heavy Trucks	83.02	-11.40	-2.90	-1.20	67.53	50.54	42.76	51.97	58.12	58.15	60 dBA:	288	314
Total:					71.36	66.05	64.64	59.52	67.59	68.14	55 dBA:	621	677

Road Name: Limonite Avenue **Segment: East of Project Driveway 3**
Average Daily Traffic: 48100 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	69.34	4.62	-2.90	-1.20	69.87	67.50	66.21	60.15	68.58	69.21	70 dBA:	81	88
Medium Trucks	77.62	-10.24	-2.90	-1.20	63.28	44.07	36.29	45.50	51.65	51.69	65 dBA:	174	189
Heavy Trucks	82.14	-8.03	-2.90	-1.20	70.02	53.03	45.25	54.46	60.61	60.65	60 dBA:	375	408
Total:					73.40	67.67	66.24	61.30	69.30	69.85	55 dBA:	808	879

Road Name: Limonite Avenue **Segment: East of Harrison Avenue**
Average Daily Traffic: 48100 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 88.27 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL		Ldn	CNEL	
Automobiles	71.12	4.16	-3.81	-1.20	70.28	67.91	66.61	60.56	68.99	69.62	70 dBA:	94	102
Medium Trucks	78.79	-10.70	-3.81	-1.20	63.09	43.88	36.10	45.30	51.46	51.49	65 dBA:	202	220
Heavy Trucks	83.02	-8.48	-3.81	-1.20	69.53	52.54	44.76	53.97	60.12	60.16	60 dBA:	436	475
Total:					73.36	68.05	66.65	61.52	69.59	70.15	55 dBA:	939	1023

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITH PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: Limonite Avenue **Segment:** East of Lucretia Avenue
Average Daily Traffic: 56900 Vehicles Vehicle Speed: 55 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 190 FEET FROM CENTERLINE (Equiv. Lane Dist: 184.1 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL			
Automobiles	72.73	4.48	-8.59	-1.20	67.41	65.04	63.75	57.69	66.12	66.75	70 dBA:	113	124	
Medium Trucks	79.85	-10.39	-8.59	-1.20	59.67	40.46	32.68	41.89	48.04	48.08	65 dBA:	244	266	
Heavy Trucks	83.81	-8.17	-8.59	-1.20	65.85	48.86	41.08	50.29	56.44	56.48	60 dBA:	526	574	
Total:				70.12	65.16	63.77	58.51	66.63	67.20	67.20	55 dBA:	1132	1236	

Road Name: Limonite Avenue **Segment:** East of Etiwanda Avenue
Average Daily Traffic: 49500 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 70 FEET FROM CENTERLINE (Equiv. Lane Dist: 51.87 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL			
Automobiles	71.12	4.29	-0.34	-1.20	73.87	71.49	70.20	64.15	72.58	73.21	70 dBA:	114	124	
Medium Trucks	78.79	-10.58	-0.34	-1.20	66.67	47.46	39.68	48.89	55.05	55.08	65 dBA:	246	267	
Heavy Trucks	83.02	-8.36	-0.34	-1.20	73.12	56.13	48.35	57.55	63.71	63.74	60 dBA:	529	576	
Total:				76.95	71.63	70.23	65.11	73.17	73.73	73.73	55 dBA:	1140	1242	

Road Name: 65th Street **Segment:** East of Archibald Avenue
Average Daily Traffic: 11800 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Secondary

Vehicle Type	NOISE PARAMETERS AT 60 FEET FROM CENTERLINE (Equiv. Lane Dist: 54.99 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL			
Automobiles	69.34	-1.48	-0.72	-1.20	65.94	63.57	62.28	56.22	64.65	65.28	70 dBA:	29	32	
Medium Trucks	77.62	-16.35	-0.72	-1.20	59.35	40.14	32.36	41.57	47.72	47.76	65 dBA:	64	69	
Heavy Trucks	82.14	-14.13	-0.72	-1.20	66.09	49.10	41.32	50.53	56.68	56.71	60 dBA:	137	149	
Total:				69.47	63.74	62.31	57.37	65.37	65.92	65.92	55 dBA:	295	321	

Road Name: Pine Avenue **Segment:** East of Euclid Avenue
Average Daily Traffic: 37400 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 2 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 75 FEET FROM CENTERLINE (Equiv. Lane Dist: 71.06 ft)										Centerline Distance to Noise Contour (in feet)			
	Noise Adjustments				Unmitigated Noise Levels									
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.	Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL			
Automobiles	69.34	3.53	-2.39	-1.20	69.28	66.91	65.62	59.56	67.99	68.62	70 dBA:	62	67	
Medium Trucks	77.62	-11.34	-2.39	-1.20	62.69	43.48	35.70	44.91	51.06	51.10	65 dBA:	133	144	
Heavy Trucks	82.14	-9.12	-2.39	-1.20	69.43	52.44	44.66	53.87	60.02	60.05	60 dBA:	286	311	
Total:				72.81	67.08	65.65	60.71	68.71	69.26	69.26	55 dBA:	615	669	

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITH PROJECT CONDITIONS

Project: Eastvale Crossings
Site Conditions: Soft

Road Name: Pine Avenue **Segment:** East of Mill Creek Road
Average Daily Traffic: 34000 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 100 FEET FROM CENTERLINE (Equiv. Lane Dist: 97.08 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	3.36	-4.43	-1.20	67.08	64.96	63.65	57.63	66.05	66.68	70 dBA:	55	61
Medium Trucks	77.62	-13.87	-4.43	-1.20	58.12	36.87	42.89	24.60	37.74	40.50	65 dBA:	118	130
Heavy Trucks	82.14	-17.83	-4.43	-1.20	58.69	47.44	29.94	34.58	45.87	45.90	60 dBA:	255	281
Total:					68.13	65.04	63.69	57.66	66.10	66.73	55 dBA:	550	605

Road Name: Pine Avenue **Segment:** West of Hellman Avenue
Average Daily Traffic: 38300 Vehicles Vehicle Speed: 45 MPH Vehicle Mix: 1 Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 80 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.32 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	69.34	3.88	-2.86	-1.20	69.17	67.04	65.73	59.72	68.14	68.77	70 dBA:	61	67
Medium Trucks	77.62	-13.36	-2.86	-1.20	60.21	38.96	44.98	26.69	39.83	42.58	65 dBA:	130	144
Heavy Trucks	82.14	-17.31	-2.86	-1.20	60.77	49.52	32.02	36.67	47.95	47.98	60 dBA:	281	309
Total:					70.21	67.13	65.77	59.74	68.19	68.81	55 dBA:	606	667

Road Name: Schleisman Road **Segment:** West of Archibald Avenue
Average Daily Traffic: 50300 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	4.36	-2.90	-1.20	71.38	69.01	67.72	61.66	70.10	70.73	70 dBA:	100	109
Medium Trucks	78.79	-10.51	-2.90	-1.20	64.19	44.98	37.20	46.41	52.56	52.60	65 dBA:	216	235
Heavy Trucks	83.02	-8.29	-2.90	-1.20	70.64	53.65	45.86	55.07	61.23	61.26	60 dBA:	465	506
Total:					74.46	69.15	67.75	62.63	70.69	71.25	55 dBA:	1001	1091

Road Name: Schleisman Road **Segment:** East of Archibald Avenue
Average Daily Traffic: 47900 Vehicles Vehicle Speed: 50 MPH Vehicle Mix: 2 Roadway Classification: Urban Arterial

Vehicle Type	NOISE PARAMETERS AT 90 FEET FROM CENTERLINE (Equiv. Lane Dist: 76.75 ft)										Centerline Distance to		
	Noise Adjustments				Unmitigated Noise Levels						Noise Contour (in feet)		
	REMEL Traffic Adj.	Dist Adj.	Finite Adj		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL	Ldn	CNEL	
Automobiles	71.12	4.15	-2.90	-1.20	71.17	68.80	67.51	61.45	69.88	70.51	70 dBA:	97	106
Medium Trucks	78.79	-10.72	-2.90	-1.20	63.98	44.77	36.99	46.20	52.35	52.38	65 dBA:	209	227
Heavy Trucks	83.02	-8.50	-2.90	-1.20	70.42	53.43	45.65	54.86	61.01	61.05	60 dBA:	450	490
Total:					74.25	68.94	67.54	62.42	70.48	71.04	55 dBA:	969	1056

FHWA-RD-77-108 HIGHWAY TRAFFIC NOISE PREDICTION MODEL

Scenario: YEAR 2035 WITH PROJECT CONDITIONS

**Project: Eastvale Crossings
Site Conditions: Soft**

Road Name: Second Street

Segment: East of River Road

Average Daily Traffic: 21800 Vehicles

Vehicle Speed: 35 MPH

Vehicle Mix: 2

Roadway Classification: Major

Vehicle Type	NOISE PARAMETERS AT 55 FEET FROM CENTERLINE (Equiv. Lane Dist: 49.49 ft)										Centerline Distance to Noise Contour (in feet)		
	Noise Adjustments				Unmitigated Noise Levels						Ldn	CNEL	
	REMEL Traffic Adj.	Dist Adj.	Finite Adj.		Leq Peak	Leq Day	Leq Eve.	Leq Night	Ldn	CNEL			
Automobiles	65.11	2.28	-0.04	-1.20	66.15	63.78	62.48	56.43	64.86	65.49	70 dBA:	30	32
Medium Trucks	74.83	-12.59	-0.04	-1.20	61.00	41.79	34.01	43.22	49.37	49.41	65 dBA:	64	69
Heavy Trucks	80.05	-10.37	-0.04	-1.20	68.44	51.45	43.67	52.88	59.03	59.06	60 dBA:	137	148
				Total:	70.92	64.05	62.55	58.16	65.97	66.47	55 dBA:	296	320

Eastvale Crossings
Assessed receiver levels - Existing Plus Project

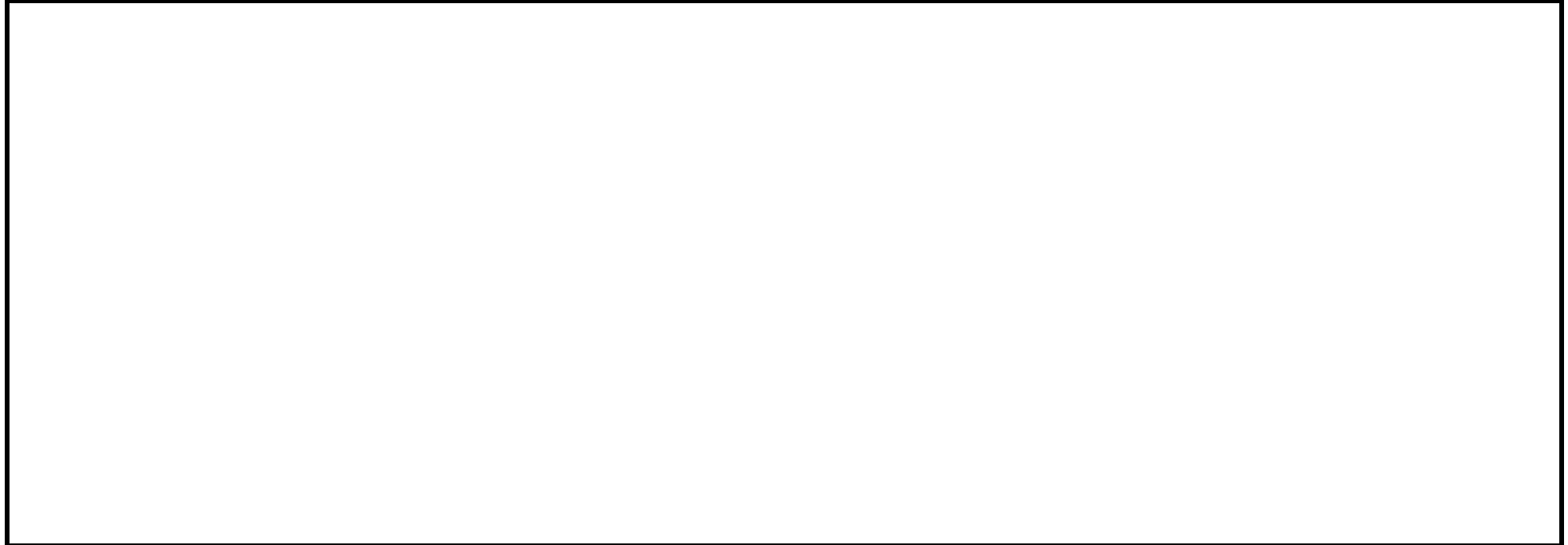
Name	Usage	Floor	X m	Dir	Y m	Z m	Ldn dB(A)	Leq,d dB(A)	Leq,e dB(A)	Leq,n dB(A)
01 SFR	RS	G	604.2	N	766.0	1.7	60.1	56.2	54.7	52.6
02 SFR	RS	G	578.7	W	742.2	1.7	60.1	55.8	54.5	52.8
03 SFR	RS	G	529.8	NW	659.7	1.7	58.9	54.0	53.1	51.9
04 SFR	RS	G	483.5	W	583.0	1.7	58.4	53.0	52.3	51.4
05 SFR	RS	G	454.2	NW	534.9	1.7	58.3	52.8	52.2	51.3
06 Park	RS	G	308.9		455.1	1.5	59.6	54.4	54.1	52.6
07 SFR	RS	G	431.2	NW	363.6	1.7	54.1	49.4	48.3	47.0
08 SFR	RS	G	230.9	N	281.2	1.7	56.6	51.5	51.7	49.4
09 SFR	RS	G	113.2	N	251.7	1.7	62.0	56.5	57.4	54.9
10 SFR	RS	G	86.6	NW	248.2	1.7	65.4	59.7	60.6	58.3
11 SFR	RS	G	-9.5	E	715.3	1.7	69.0	64.3	65.9	61.2
12 SFR	RS	G	-5.9	E	775.1	1.7	69.1	64.5	66.0	61.3
13 SFR	RS	G	-1.4	E	869.0	1.7	69.8	65.2	66.8	62.0



Eastvale Crossings Source level road - Existing Plus Project

16

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24h	Gradient %
331.28	1379.59	Average (of DGAC and PCC)	1331.64	Archibald Ave south of Limonite Ave	0.000	23100	0.0
274.00	973.99	Average (of DGAC and PCC)	1334.33	Limonite Ave east of Archibald Ave	0.000	21400	0.0
276.56	983.09	Average (of DGAC and PCC)	1346.80	Limonite Ave east of Project DW 2	0.000	21600	0.0
279.12	992.20	Average (of DGAC and PCC)	1359.27	Limonite Ave east of Project DW 3	0.000	21800	0.0
338.45	1409.45	Average (of DGAC and PCC)	1360.47	Archibald Ave north of Limonite Ave	0.000	23600	0.0
348.49	1451.26	Average (of DGAC and PCC)	1400.82	Archibald Ave south of Project DW 1	0.000	24300	0.0
117.80	418.73	Average (of DGAC and PCC)	573.64	Project Driveway 1 east of Archibald Ave	0.000	9200	0.0
88.35	314.04	Average (of DGAC and PCC)	430.23	Project Driveway 2 south of Limonite Ave	0.000	6900	0.0
7.68	27.31	Average (of DGAC and PCC)	37.41	Project Driveway 3 south of Limonite Ave	0.000	600	0.0



	First Carbon Solutions	1
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Eastvale Crossings

Octave spectra of the sources in dB(A) - Existing Plus Project

3

Name	Source type	X	Y	Z	I or A	L'w	Lw	Day histogram	Spectrum	16Hz	31Hz	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz
		m	m	m	m,m ²	dB(A)	dB(A)			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Aircraft	Line	249.1	609.8	275.0	971.92	89.5	119.	Aircraft	Aircraft	70.08	85.1	97.4	106.8	106.5	110.2	117.4	110.5	96.6
Carwash	Area	400.8	746.0	2.0	91.00	82.3	101.	Carwash	Carwash - Chevron Irvine	39.40	60.9	77.0	84.6	90.3	95.7	98.0	94.5	91.0
Drive thru Speaker Parcel 4	Area	65.6	578.4	0.0	1.32	81.8	83.0	Drive Thru Speaker	Drive Thru Speaker	36.72	57.6	69.7	75.6	73.3	75.3	77.2	75.3	70.1
Drive Thru Speaker Parcel 3	Area	76.6	656.0	1.0	1.45	81.4	83.0	Drive Thru Speaker	Drive Thru Speaker	36.72	57.6	69.7	75.6	73.3	75.3	77.2	75.3	70.1
HVAC Parcel 2	Area	411.3	752.8	7.5	10.93	13.3	23.7	Rooftop HVAC	Rooftop Refrigeration Unit		-15.7	-3.5	3.6	8.9	18.5	21.0	12.9	7.1
HVAC Parcel 3	Area	76.8	638.5	7.5	24.18	13.3	27.1	Rooftop HVAC	Rooftop Refrigeration Unit		-12.3	0.0	7.1	12.3	22.0	24.4	16.4	10.5
HVAC Parcel 4	Area	79.7	577.6	7.5	13.97	13.3	24.8	Rooftop HVAC	Rooftop Refrigeration Unit		-14.6	-2.4	4.7	9.9	19.6	22.0	14.0	8.2
HVAC Parcel 5	Area	79.1	507.2	7.5	46.36	13.3	30.0	Rooftop HVAC	Rooftop Refrigeration Unit		-9.4	2.8	9.9	15.1	24.8	27.2	19.2	13.4
HVAC Walmart	Area	256.2	621.5	10.3	758.96	13.3	42.1	Rooftop HVAC	Rooftop Refrigeration Unit		2.7	14.9	22.0	27.3	36.9	39.4	31.3	25.5
Parcel 2 Tractor Trailer	Area	442.4	727.7	3.4	39.44	91.0	107.	Semi-Truck Parcel 2	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Parcel 2 Vendor Loading	Area	427.3	755.5	0.9	24.50	75.1	89.0	Vendor Parcels 2 4	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0
Parcel 3 Tractor Trailer	Area	90.6	637.1	3.4	39.44	91.0	107.	Semi-Truck Parcel	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Parcel 3 Vendor Loading	Area	90.9	647.3	0.9	24.50	75.1	89.0	Vendor Parcel 3	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0
Parcel 4 Tractor Trailer	Area	83.6	593.4	3.4	39.44	91.0	107.	Semi-Truck Parcel	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Parcel 5 Tractor Trailer	Area	98.3	509.2	3.4	39.44	91.0	107.	Semi-Truck Parcel 5	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Parcel 5 Vendor Loading	Area	97.5	524.7	0.9	24.50	75.1	89.0	Vendor Parcel 5	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0
Power Lines	Line	348.3	599.3	15.2	1040.29	71.1	101.	100%/24h	Power Lines	68.30	78.3	87.7	90.3	86.8	90.6	94.7	94.6	93.9
Vendor Parcel 4	Area	71.5	592.5	0.9	21.00	75.8	89.0	Semi-Truck Parcel	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0
Walmart Garden Center	Area	351.5	659.6	0.9	295.38	-3.5	21.2	Garden Center	Garden Center Fresno			5.5	11.3	11.2	13.1	16.3	14.5	9.6
Walmart Pallet Area	Area	220.4	531.8	1.0	117.81	81.3	102.	Forklift	Forklift Fresno North	38.27	63.8	78.9	86.3	87.8	97.0	96.1	95.6	92.9
Walmart Tractor-Trailer East	Area	295.1	571.2	3.4	600.83	79.2	107.	Semi-Truck	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Walmart Tractor-Trailer West	Area	212.4	555.0	3.4	600.83	79.2	107.	Semi-Truck	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Walmart Trash Compactor	Area	272.1	555.7	1.0	16.36	76.9	89.0	Trash Compactor	Trash Compactor	33.64	46.6	61.6	66.6	76.7	79.7	82.9	83.4	82.9
Walmart Vendor Loading	Area	253.5	551.8	0.9	136.34	67.7	89.0	Vendor Walmart	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0
Parcel 2 Parking Lot	Parking lot	439.2	753.5	0.5	1745.75	56.6	89.0	Parking Lot							89.0			
Parcel 5 Parking Lot	Parking lot	109.6	507.2	0.5	2015.67	58.7	91.8	Parking Lot							91.8			
Parcels 3 & 4 Parking Lot	Parking lot	92.2	610.9	0.5	1900.10	60.6	93.4	Parking Lot							93.4			
Walmart Parking Lot	Parking lot	235.9	703.4	0.5	31157.36	62.9	107.	Parking Lot							107.8			

Eastvale Crossings
Source level parking lots - Existing Plus Project

Parking lot	PPT	KPA	KI	KD	TL	KStrO	Unit B0	Size B	
Walmart Parking Lot	Discounter	3.00	4.00	7.56	2	0.00	1 parking	1063.00	
Parcel 2 Parking Lot	Discounter	3.00	4.00	3.54	2	0.00	1 parking	35.00	
Parcels 3 & 4 Parking Lot	Discounter	3.00	4.00	4.57	2	0.00	1 parking	76.00	
Parcel 5 Parking Lot	Discounter	3.00	4.00	4.20	2	0.00	1 parking	57.00	

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Eastvale Crossings
Assessed receiver levels - Year 2017 Without Project

Name	Usage	Floor	X m	Dir	Y m	Z m	Ldn dB(A)	Leq,d dB(A)	Leq,e dB(A)	Leq,n dB(A)
01 SFR	RS	G	604.2	N	766.0	1.7	61.7	58.1	56.5	54.2
02 SFR	RS	G	578.7	W	742.2	1.7	60.9	57.2	55.6	53.5
03 SFR	RS	G	529.8	NW	659.7	1.7	58.3	54.2	52.8	51.0
04 SFR	RS	G	483.5	W	583.0	1.7	56.6	51.7	50.6	49.5
05 SFR	RS	G	454.2	NW	534.9	1.7	56.4	51.4	50.3	49.3
06 Park	RS	G	308.9		455.1	1.5	58.6	53.6	53.7	51.4
07 SFR	RS	G	431.2	NW	363.6	1.7	52.2	48.2	46.8	44.8
08 SFR	RS	G	230.9	N	281.2	1.7	57.6	52.5	53.1	50.3
09 SFR	RS	G	113.2	N	251.7	1.7	64.1	58.6	59.7	57.0
10 SFR	RS	G	86.6	NW	248.2	1.7	67.5	61.8	62.8	60.4
11 SFR	RS	G	-9.5	E	715.3	1.7	71.0	66.3	68.0	63.2
12 SFR	RS	G	-5.9	E	775.1	1.7	71.2	66.6	68.2	63.4
13 SFR	RS	G	-1.4	E	869.0	1.7	71.7	67.1	68.8	64.0



Eastvale Crossings Source level road - Year 2017 Without Project

16

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24h	Gradient %
530.62	2209.74	Average (of DGAC and PCC)	2132.94	Archibald Ave north of Limonite Ave	0.000	37000	0.0
443.01	1574.77	Average (of DGAC and PCC)	2157.38	Limonite Ave east of Archibald Ave	0.000	34600	0.0
583.68	2430.71	Average (of DGAC and PCC)	2346.23	Archibald Ave south of Project DW 1	0.000	40700	0.0
592.28	2466.54	Average (of DGAC and PCC)	2380.82	Archibald Ave south of Limonite Ave	0.000	41300	0.0

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	First Carbon Solutions	1
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Eastvale Crossings

Octave spectra of the sources in dB(A) - Year 2017 Without Project

3

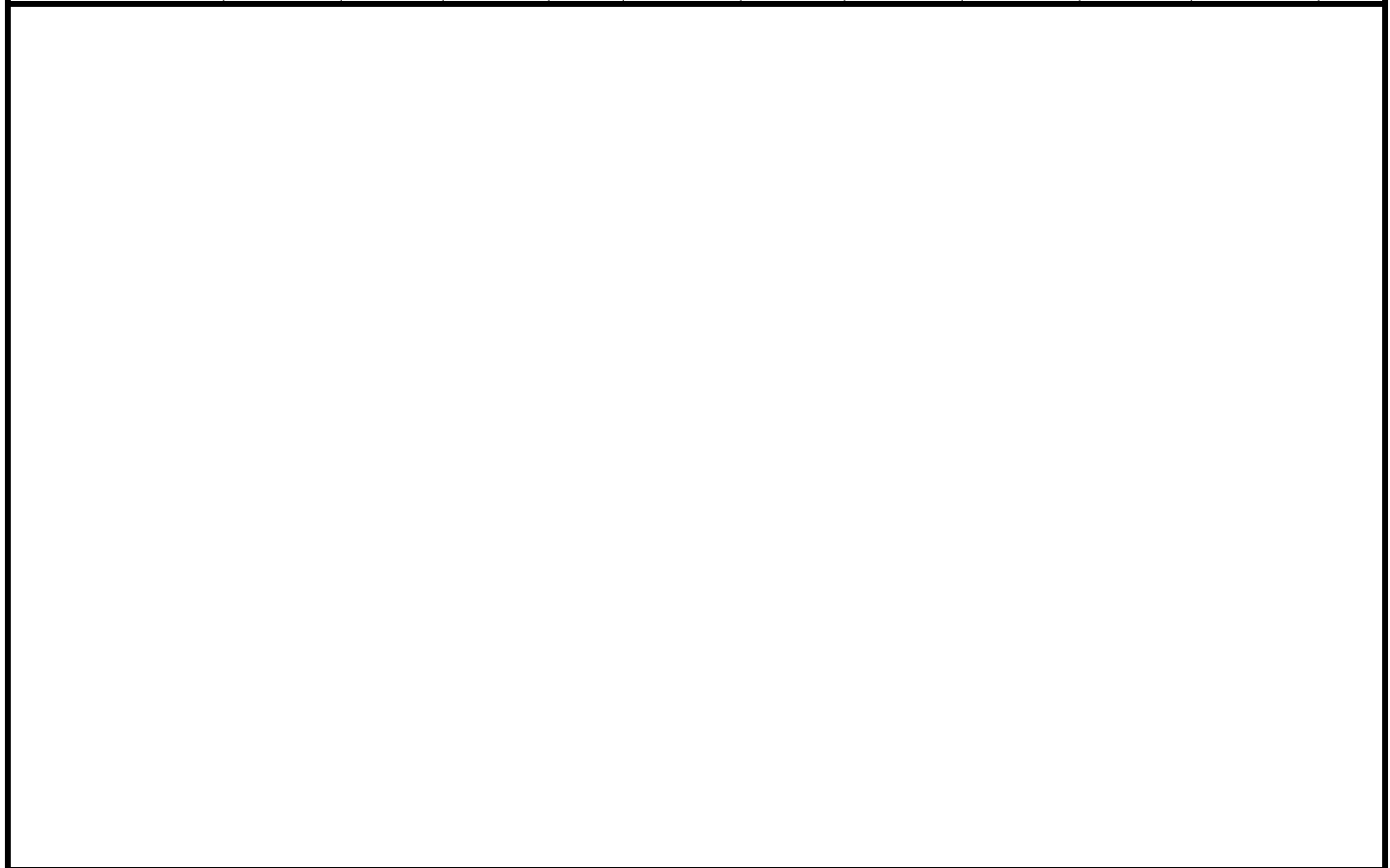
Name	Source type	X m	Y m	Z m	l or A m,m ²	L'w dB(A)	Lw dB(A)	Day histogram	Spectrum	16Hz dB(A)	31Hz dB(A)	63Hz dB(A)	125Hz dB(A)	250Hz dB(A)	500Hz dB(A)	1kHz dB(A)	2kHz dB(A)	4kHz dB(A)	8kHz dB(A)	16kHz dB(A)
Aircraft	Line	249.1	609.8	275.0	971.92	89.5	119.	Aircraft	Aircraft	70.08	85.1	97.4	106.8	106.5	110.2	117.4	110.5	96.6	84.4	75.9
Power Lines	Line	348.3	599.3	15.2	1040.29	71.1	101.	100%/24h	Power Lines	68.30	78.3	87.7	90.3	86.8	90.6	94.7	94.6	93.9	90.9	86.3

First Carbon Solutions

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Eastvale Crossings
Assessed receiver levels - Year 2017 With Project

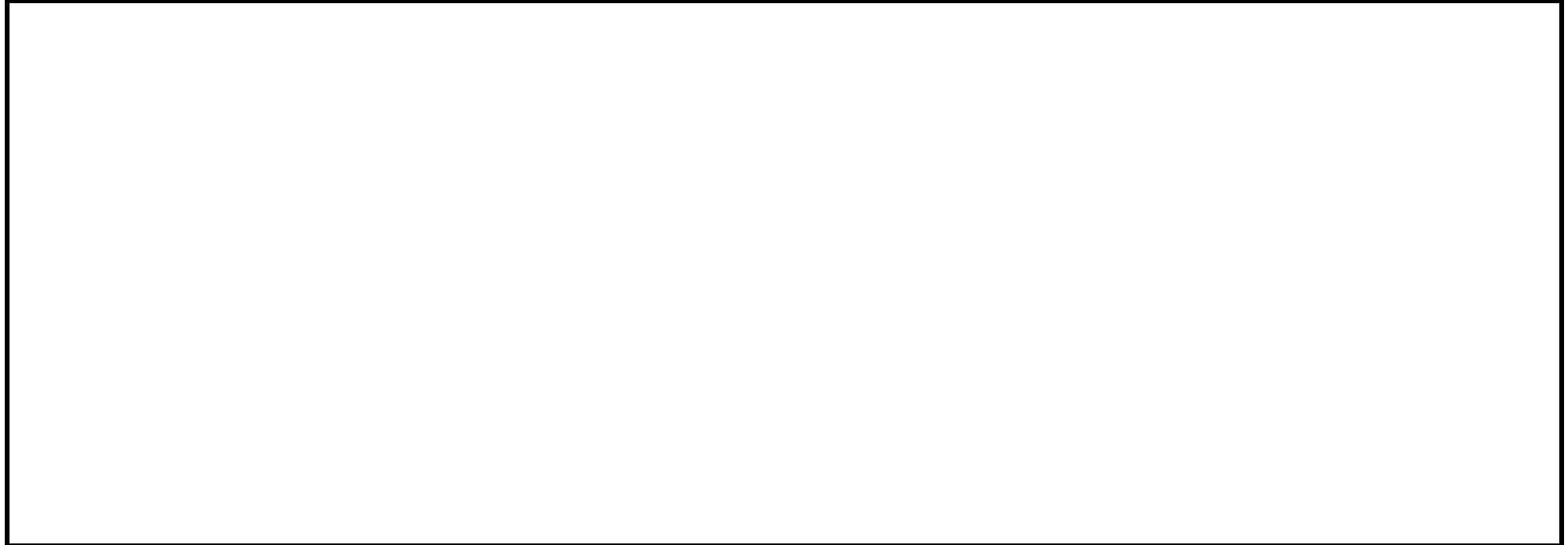
Name	Usage	Floor	X m	Dir	Y m	Z m	Ldn dB(A)	Leq,d dB(A)	Leq,e dB(A)	Leq,n dB(A)
01 SFR	RS	G	604.2	N	766.0	1.7	62.2	58.5	56.9	54.7
02 SFR	RS	G	578.7	W	742.2	1.7	61.7	57.7	56.3	54.3
03 SFR	RS	G	529.8	NW	659.7	1.7	59.8	55.2	54.2	52.6
04 SFR	RS	G	483.5	W	583.0	1.7	58.7	53.4	52.7	51.7
05 SFR	RS	G	454.2	NW	534.9	1.7	58.6	53.2	52.6	51.6
06 Park	RS	G	308.9		455.1	1.5	60.3	55.0	55.0	53.2
07 SFR	RS	G	431.2	NW	363.6	1.7	54.7	49.9	49.0	47.5
08 SFR	RS	G	230.9	N	281.2	1.7	58.4	53.2	53.8	51.2
09 SFR	RS	G	113.2	N	251.7	1.7	64.6	59.1	60.1	57.5
10 SFR	RS	G	86.6	NW	248.2	1.7	68.1	62.3	63.3	61.0
11 SFR	RS	G	-9.5	E	715.3	1.7	71.7	67.0	68.7	64.0
12 SFR	RS	G	-5.9	E	775.1	1.7	71.7	67.1	68.7	64.0
13 SFR	RS	G	-1.4	E	869.0	1.7	72.2	67.6	69.3	64.5



Eastvale Crossings Source level road - Year 2017 With Project

16

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24h	Gradient %
649.65	2705.43	Average (of DGAC and PCC)	2611.41	Archibald Ave south of Limonite Ave	0.000	45300	0.0
496.79	1765.93	Average (of DGAC and PCC)	2419.26	Limonite Ave east of Archibald Ave	0.000	38800	0.0
501.91	1784.14	Average (of DGAC and PCC)	2444.20	Limonite Ave east of Project DW 2	0.000	39200	0.0
503.19	1788.69	Average (of DGAC and PCC)	2450.44	Limonite Ave east of Project DW 3	0.000	39300	0.0
589.41	2454.60	Average (of DGAC and PCC)	2369.29	Archibald Ave north of Limonite Ave	0.000	41100	0.0
658.25	2741.27	Average (of DGAC and PCC)	2645.99	Archibald Ave south of Project DW 1	0.000	45900	0.0
117.80	418.73	Average (of DGAC and PCC)	573.64	Project Driveway 1 east of Archibald Ave	0.000	9200	0.0
88.35	314.04	Average (of DGAC and PCC)	430.23	Project Driveway 2 south of Limonite Ave	0.000	6900	0.0
7.68	27.31	Average (of DGAC and PCC)	37.41	Project Driveway 3 south of Limonite Ave	0.000	600	0.0



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Eastvale Crossings

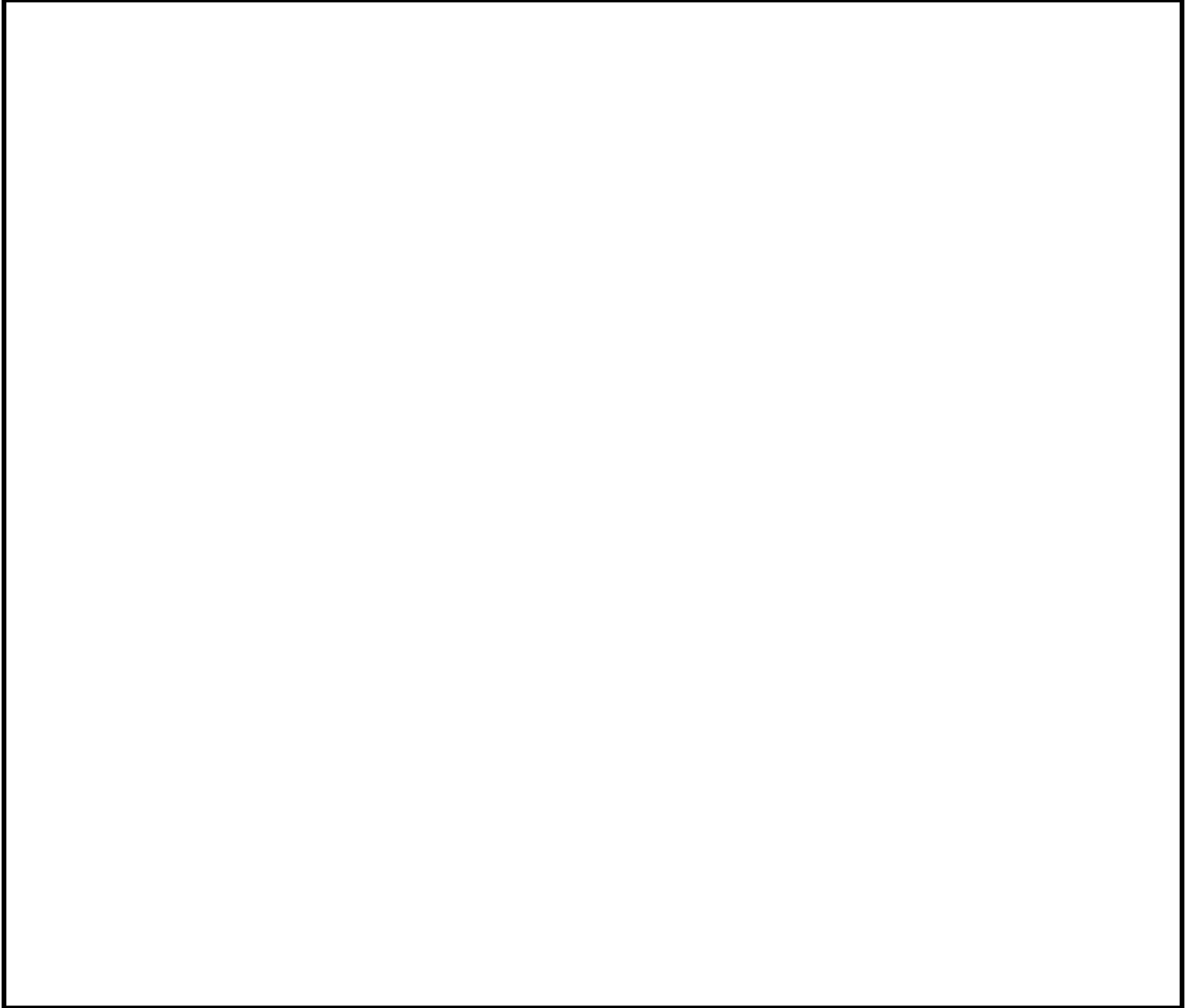
Octave spectra of the sources in dB(A) - Year 2017 With Project

3

Name	Source type	X	Y	Z	I or A	L'w	Lw	Day histogram	Spectrum	16Hz	31Hz	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz
		m	m	m	m,m ²	dB(A)	dB(A)			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Aircraft	Line	249.1	609.8	275.0	971.92	89.5	119.	Aircraft	Aircraft	70.08	85.1	97.4	106.8	106.5	110.2	117.4	110.5	96.6
Carwash	Area	400.8	746.0	2.0	91.00	82.3	101.	Carwash	Carwash - Chevron Irvine	39.40	60.9	77.0	84.6	90.3	95.7	98.0	94.5	91.0
Drive thru Speaker Parcel 4	Area	65.6	578.4	0.0	1.32	81.8	83.0	Drive Thru Speaker	Drive Thru Speaker	36.72	57.6	69.7	75.6	73.3	75.3	77.2	75.3	70.1
Drive Thru Speaker Parcel 3	Area	76.6	656.0	1.0	1.45	81.4	83.0	Drive Thru Speaker	Drive Thru Speaker	36.72	57.6	69.7	75.6	73.3	75.3	77.2	75.3	70.1
HVAC Parcel 2	Area	411.3	752.8	7.5	10.93	13.3	23.7	Rooftop HVAC	Rooftop Refrigeration Unit		-15.7	-3.5	3.6	8.9	18.5	21.0	12.9	7.1
HVAC Parcel 3	Area	76.8	638.5	7.5	24.18	13.3	27.1	Rooftop HVAC	Rooftop Refrigeration Unit		-12.3	0.0	7.1	12.3	22.0	24.4	16.4	10.5
HVAC Parcel 4	Area	79.7	577.6	7.5	13.97	13.3	24.8	Rooftop HVAC	Rooftop Refrigeration Unit		-14.6	-2.4	4.7	9.9	19.6	22.0	14.0	8.2
HVAC Parcel 5	Area	79.1	507.2	7.5	46.36	13.3	30.0	Rooftop HVAC	Rooftop Refrigeration Unit		-9.4	2.8	9.9	15.1	24.8	27.2	19.2	13.4
HVAC Walmart	Area	256.2	621.5	10.3	758.96	13.3	42.1	Rooftop HVAC	Rooftop Refrigeration Unit		2.7	14.9	22.0	27.3	36.9	39.4	31.3	25.5
Parcel 2 Tractor Trailer	Area	442.4	727.7	3.4	39.44	91.0	107.	Semi-Truck Parcel 2	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Parcel 2 Vendor Loading	Area	427.3	755.5	0.9	24.50	75.1	89.0	Vendor Parcels 2 4	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0
Parcel 3 Tractor Trailer	Area	90.6	637.1	3.4	39.44	91.0	107.	Semi-Truck Parcel 3	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Parcel 3 Vendor Loading	Area	90.9	647.3	0.9	24.50	75.1	89.0	Vendor Parcel 3	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0
Parcel 4 Tractor Trailer	Area	83.6	593.4	3.4	39.44	91.0	107.	Semi-Truck Parcel 3	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Parcel 5 Tractor Trailer	Area	98.3	509.2	3.4	39.44	91.0	107.	Semi-Truck Parcel 5	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Parcel 5 Vendor Loading	Area	97.5	524.7	0.9	24.50	75.1	89.0	Vendor Parcel 5	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0
Power Lines	Line	348.3	599.3	15.2	1040.29	71.1	101.	100%/24h	Power Lines	68.30	78.3	87.7	90.3	86.8	90.6	94.7	94.6	93.9
Vendor Parcel 4	Area	71.5	592.5	0.9	21.00	75.8	89.0	Semi-Truck Parcel 3	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0
Walmart Garden Center	Area	351.5	659.6	0.9	295.38	-3.5	21.2	Garden Center	Garden Center Fresno			5.5	11.3	11.2	13.1	16.3	14.5	9.6
Walmart Pallet Area	Area	220.4	531.8	1.0	117.81	81.3	102.	Forklift	Forklift Fresno North	38.27	63.8	78.9	86.3	87.8	97.0	96.1	95.6	92.9
Walmart Tractor-Trailer East	Area	295.1	571.2	3.4	600.83	79.2	107.	Semi-Truck Walmart	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Walmart Tractor-Trailer West	Area	212.4	555.0	3.4	600.83	79.2	107.	Semi-Truck Walmart	Tractor Trailer - Rohnert	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8
Walmart Trash Compactor	Area	272.1	555.7	1.0	16.36	76.9	89.0	Trash Compactor	Trash Compactor	33.64	46.6	61.6	66.6	76.7	79.7	82.9	83.4	82.9
Walmart Vendor Loading	Area	253.5	551.8	0.9	136.34	67.7	89.0	Vendor Walmart	Vendor Truck - Fresno	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0
Parcel 2 Parking Lot	Parking lot	439.2	753.5	0.5	1745.75	56.6	89.0	Parking Lot							89.0			
Parcel 5 Parking Lot	Parking lot	109.6	507.2	0.5	2015.67	58.7	91.8	Parking Lot							91.8			
Parcels 3 & 4 Parking Lot	Parking lot	92.2	610.9	0.5	1900.10	60.6	93.4	Parking Lot							93.4			
Walmart Parking Lot	Parking lot	235.9	703.4	0.5	31157.36	62.9	107.	Parking Lot							107.8			

Eastvale Crossings
Source level parking lots - Year 2017 With Project

Parking lot	PPT	KPA	KI	KD	TL	KStrO	Unit B0	Size B
Walmart Parking Lot	Discounter	3.00	4.00	7.56	2	0.00	1 parking	1063.00
Parcel 2 Parking Lot	Discounter	3.00	4.00	3.54	2	0.00	1 parking	35.00
Parcels 3 & 4 Parking Lot	Discounter	3.00	4.00	4.57	2	0.00	1 parking	76.00
Parcel 5 Parking Lot	Discounter	3.00	4.00	4.20	2	0.00	1 parking	57.00



Eastvale Crossings
Assessed receiver levels - Year 2035 Without Project

Name	Usage	Floor	X	Dir	Y	Z	Ldn	Leq,d	Leq,e	Leq,n
			m		m	m	dB(A)	dB(A)	dB(A)	dB(A)
01 SFR	RS	G	604.2	N	766.0	1.7	62.6	59.0	57.4	55.1
02 SFR	RS	G	578.7	W	742.2	1.7	61.7	58.0	56.4	54.3
03 SFR	RS	G	529.8	NW	659.7	1.7	58.9	54.9	53.5	51.6
04 SFR	RS	G	483.5	W	583.0	1.7	57.0	52.2	51.1	49.9
05 SFR	RS	G	454.2	NW	534.9	1.7	56.8	51.8	50.9	49.7
06 Park	RS	G	308.9		455.1	1.5	59.4	54.4	54.7	52.2
07 SFR	RS	G	431.2	NW	363.6	1.7	53.0	48.8	47.8	45.6
08 SFR	RS	G	230.9	N	281.2	1.7	58.7	53.5	54.3	51.4
09 SFR	RS	G	113.2	N	251.7	1.7	65.3	59.8	60.9	58.2
10 SFR	RS	G	86.6	NW	248.2	1.7	68.7	63.0	64.0	61.6
11 SFR	RS	G	-9.5	E	715.3	1.7	72.2	67.5	69.2	64.4
12 SFR	RS	G	-5.9	E	775.1	1.7	72.5	67.9	69.5	64.7
13 SFR	RS	G	-1.4	E	869.0	1.7	73.4	68.8	70.5	65.6



Eastvale Crossings
Source level road - Year 2035 Without Project

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24h	Gradient %	
800.23	3332.52	Average (of DGAC and PCC)	3216.70	Archibald Ave north of Limonite Ave	0.000	55800	0.0	
555.69	1975.29	Average (of DGAC and PCC)	2706.08	Limonite Ave east of Archibald Ave	0.000	43400	0.0	
771.54	3213.08	Average (of DGAC and PCC)	3101.41	Archibald Ave south of Project DW 1	0.000	53800	0.0	
771.54	3213.08	Average (of DGAC and PCC)	3101.41	Archibald Ave south of Limonite Ave	0.000	53800	0.0	



	First Carbon Solutions	1
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Eastvale Crossings

Octave spectra of the sources in dB(A) - Year 2035 Without Project

3

Name	Source type	X m	Y m	Z m	l or A m,m ²	L'w dB(A)	Lw dB(A)	Day histogram	Spectrum	16Hz dB(A)	31Hz dB(A)	63Hz dB(A)	125Hz dB(A)	250Hz dB(A)	500Hz dB(A)	1kHz dB(A)	2kHz dB(A)	4kHz dB(A)	8kHz dB(A)	16kHz dB(A)
Aircraft	Line	249.1	609.8	275.0	971.92	89.5	119.	Aircraft	Aircraft	70.08	85.1	97.4	106.8	106.5	110.2	117.4	110.5	96.6	84.4	75.9
Power Lines	Line	348.3	599.3	15.2	1040.29	71.1	101.	100%/24h	Power Lines	68.30	78.3	87.7	90.3	86.8	90.6	94.7	94.6	93.9	90.9	86.3

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	First Carbon Solutions	1
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Eastvale Crossings
Assessed receiver levels - Year 2035 With Project

Name	Usage	Floor	X m	Dir	Y m	Z m	Ldn dB(A)	Leq,d dB(A)	Leq,e dB(A)	Leq,n dB(A)
01 SFR	RS	G	604.2	N	766.0	1.7	62.9	59.4	57.8	55.4
02 SFR	RS	G	578.7	W	742.2	1.7	62.3	58.4	57.0	54.9
03 SFR	RS	G	529.8	NW	659.7	1.7	60.2	55.7	54.6	53.0
04 SFR	RS	G	483.5	W	583.0	1.7	58.9	53.6	52.9	51.9
05 SFR	RS	G	454.2	NW	534.9	1.7	58.7	53.4	52.8	51.7
06 Park	RS	G	308.9		455.1	1.5	60.6	55.3	55.4	53.4
07 SFR	RS	G	431.2	NW	363.6	1.7	54.9	50.1	49.4	47.8
08 SFR	RS	G	230.9	N	281.2	1.7	59.2	53.9	54.6	52.0
09 SFR	RS	G	113.2	N	251.7	1.7	65.5	60.0	61.0	58.4
10 SFR	RS	G	86.6	NW	248.2	1.7	69.0	63.3	64.3	61.9
11 SFR	RS	G	-9.5	E	715.3	1.7	72.7	68.1	69.8	65.0
12 SFR	RS	G	-5.9	E	775.1	1.7	72.9	68.3	69.9	65.1
13 SFR	RS	G	-1.4	E	869.0	1.7	73.8	69.1	70.8	66.0



Eastvale Crossings Source level road - Year 2035 With Project

MSVges Night Veh/h	MSVges Evening Veh/h	Pavement type	MSVges Day Veh/h	Road	KM km	ADT Veh/24h	Gradient %
820.30	3416.13	Average (of DGAC and PCC)	3297.41	Archibald Ave south of Limonite Ave	0.000	57200	0.0
619.71	2202.86	Average (of DGAC and PCC)	3017.84	Limonite Ave east of Archibald Ave	0.000	48400	0.0
614.58	2184.66	Average (of DGAC and PCC)	2992.90	Limonite Ave east of Project DW 2	0.000	48000	0.0
615.86	2189.21	Average (of DGAC and PCC)	2999.13	Limonite Ave east of Project DW 3	0.000	48100	0.0
866.19	3607.25	Average (of DGAC and PCC)	3481.88	Archibald Ave north of Limonite Ave	0.000	60400	0.0
821.74	3422.11	Average (of DGAC and PCC)	3303.17	Archibald Ave south of Project DW 1	0.000	57300	0.0
117.80	418.73	Average (of DGAC and PCC)	573.64	Project Driveway 1 east of Archibald Ave	0.000	9200	0.0
88.35	314.04	Average (of DGAC and PCC)	430.23	Project Driveway 2 south of Limonite Ave	0.000	6900	0.0
7.68	27.31	Average (of DGAC and PCC)	37.41	Project Driveway 3 south of Limonite Ave	0.000	600	0.0



	First Carbon Solutions	1
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Eastvale Crossings

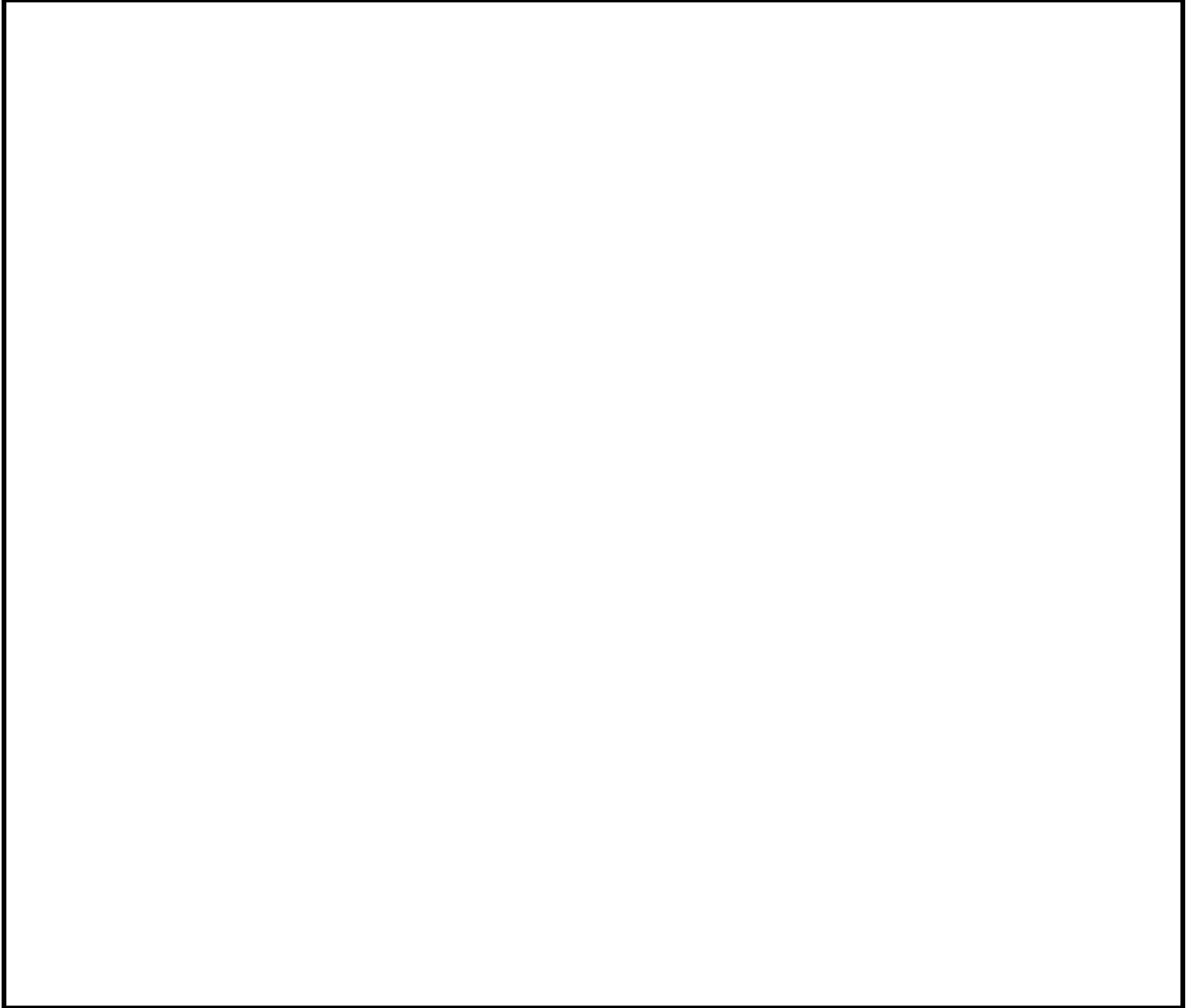
Octave spectra of the sources in dB(A) - Year 2035 With Project

3

Name	Source	X	Y	Z	l or A	L'w	Lw	Day histogram	Spectrum	16Hz	31Hz	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz	16kHz
		m	m	m	m,m ²	dB(A)	dB(A)			dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)
Aircraft	Line	249.1	609.8	275.0	971.92	89.5	119.	Aircraft	Aircraft	70.08	85.1	97.4	106.8	106.5	110.2	117.4	110.5	96.6	84.4	75.9
Carwash	Area	400.8	746.0	2.0	91.00	82.3	101.	Carwash	Carwash - Chevron	39.40	60.9	77.0	84.6	90.3	95.7	98.0	94.5	91.0	76.6	68.7
Drive thru Speaker	Area	65.6	578.4	0.0	1.32	81.8	83.0	Drive Thru	Drive Thru Speaker	36.72	57.6	69.7	75.6	73.3	75.3	77.2	75.3	70.1	61.4	48.3
Drive Thru Speaker	Area	76.6	656.0	1.0	1.45	81.4	83.0	Drive Thru	Drive Thru Speaker	36.72	57.6	69.7	75.6	73.3	75.3	77.2	75.3	70.1	61.4	48.3
HVAC Parcel 2	Area	411.3	752.8	7.5	10.93	13.3	23.7	Rooftop HVAC	Rooftop		-15.7	-3.5	3.6	8.9	18.5	21.0	12.9	7.1	3.0	-5.1
HVAC Parcel 3	Area	76.8	638.5	7.5	24.18	13.3	27.1	Rooftop HVAC	Rooftop		-12.3	0.0	7.1	12.3	22.0	24.4	16.4	10.5	6.4	-1.6
HVAC Parcel 4	Area	79.7	577.6	7.5	13.97	13.3	24.8	Rooftop HVAC	Rooftop		-14.6	-2.4	4.7	9.9	19.6	22.0	14.0	8.2	4.0	-4.0
HVAC Parcel 5	Area	79.1	507.2	7.5	46.36	13.3	30.0	Rooftop HVAC	Rooftop		-9.4	2.8	9.9	15.1	24.8	27.2	19.2	13.4	9.2	1.2
HVAC Walmart	Area	256.2	621.5	10.3	758.96	13.3	42.1	Rooftop HVAC	Rooftop		2.7	14.9	22.0	27.3	36.9	39.4	31.3	25.5	21.4	13.3
Parcel 2 Tractor Trailer	Area	442.4	727.7	3.4	39.44	91.0	107.	Semi-Truck Parcel	Tractor Trailer -	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Parcel 2 Vendor Loading	Area	427.3	755.5	0.9	24.50	75.1	89.0	Vendor Parcels 2 4	Vendor Truck -	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0	68.7	54.7
Parcel 3 Tractor Trailer	Area	90.6	637.1	3.4	39.44	91.0	107.	Semi-Truck Parcel	Tractor Trailer -	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Parcel 3 Vendor Loading	Area	90.9	647.3	0.9	24.50	75.1	89.0	Vendor Parcel 3	Vendor Truck -	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0	68.7	54.7
Parcel 4 Tractor Trailer	Area	83.6	593.4	3.4	39.44	91.0	107.	Semi-Truck Parcel	Tractor Trailer -	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Parcel 5 Tractor Trailer	Area	98.3	509.2	3.4	39.44	91.0	107.	Semi-Truck Parcel	Tractor Trailer -	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Parcel 5 Vendor Loading	Area	97.5	524.7	0.9	24.50	75.1	89.0	Vendor Parcel 5	Vendor Truck -	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0	68.7	54.7
Power Lines	Line	348.3	599.3	15.2	1040.29	71.1	101.	100%/24h	Power Lines	68.30	78.3	87.7	90.3	86.8	90.6	94.7	94.6	93.9	90.9	86.3
Vendor Parcel 4	Area	71.5	592.5	0.9	21.00	75.8	89.0	Semi-Truck Parcel	Vendor Truck -	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0	68.7	54.7
Walmart Garden Center	Area	351.5	659.6	0.9	295.38	-3.5	21.2	Garden Center	Garden Center			5.5	11.3	11.2	13.1	16.3	14.5	9.6	1.3	
Walmart Pallet Area	Area	220.4	531.8	1.0	117.81	81.3	102.	Forklift	Forklift Fresno North	38.27	63.8	78.9	86.3	87.8	97.0	96.1	95.6	92.9	79.1	63.7
Walmart Tractor-Trailer	Area	295.1	571.2	3.4	600.83	79.2	107.	Semi-Truck	Tractor Trailer -	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Walmart Tractor-Trailer	Area	212.4	555.0	3.4	600.83	79.2	107.	Semi-Truck	Tractor Trailer -	47.48	75.4	86.3	92.5	95.7	99.5	101.4	101.5	96.8	93.6	80.8
Walmart Trash	Area	272.1	555.7	1.0	16.36	76.9	89.0	Trash Compactor	Trash Compactor	33.64	46.6	61.6	66.6	76.7	79.7	82.9	83.4	82.9	75.7	62.3
Walmart Vendor Loading	Area	253.5	551.8	0.9	136.34	67.7	89.0	Vendor Walmart	Vendor Truck -	35.74	58.0	69.8	77.1	80.6	82.5	83.3	81.4	79.0	68.7	54.7
Parcel 2 Parking Lot	Parking	439.2	753.5	0.5	1745.75	56.6	89.0	Parking Lot							89.0					
Parcel 5 Parking Lot	Parking	109.6	507.2	0.5	2015.67	58.7	91.8	Parking Lot							91.8					
Parcels 3 & 4 Parking Lot	Parking	92.2	610.9	0.5	1900.10	60.6	93.4	Parking Lot							93.4					
Walmart Parking Lot	Parking	235.9	703.4	0.5	31157.36	62.9	107.	Parking Lot							107.8					

Eastvale Crossings
Source level parking lots - Year 2035 With Project

Parking lot	PPT	KPA	KI	KD	TL	KStrO	Unit B0	Size B
Walmart Parking Lot	Discounter	3.00	4.00	7.56	2	0.00	1 parking bay	1063.00
Parcel 2 Parking Lot	Discounter	3.00	4.00	3.54	2	0.00	1 parking bay	35.00
Parcels 3 & 4 Parking Lot	Discounter	3.00	4.00	4.57	2	0.00	1 parking bay	76.00
Parcel 5 Parking Lot	Discounter	3.00	4.00	4.20	2	0.00	1 parking bay	57.00



Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/9/2015
 Case Description: Eastvale Crossings - Site Preparation

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Homes to West	Residential	64.8	64.8	64.8

Description	Impact Device	Usage(%)	Equipment			Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)		
Dozer	No	40		81.7	230	0	
Dozer	No	40		81.7	280	0	
Dozer	No	40		81.7	330	0	
Front End Loader	No	40		79.1	380	0	
Front End Loader	No	40		79.1	430	0	
Front End Loader	No	40		79.1	480	0	
Front End Loader	No	40		79.1	530	0	
Dump Truck	No	40		76.5	580	0	

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Dozer	68.4	64.4	N/A	N/A	N/A	N/A
Dozer	66.7	62.7	N/A	N/A	N/A	N/A
Dozer	65.3	61.3	N/A	N/A	N/A	N/A
Front End Loader	61.5	57.5	N/A	N/A	N/A	N/A
Front End Loader	60.4	56.4	N/A	N/A	N/A	N/A
Front End Loader	59.5	55.5	N/A	N/A	N/A	N/A
Front End Loader	58.6	54.6	N/A	N/A	N/A	N/A
Dump Truck	55.2	51.2	N/A	N/A	N/A	N/A
Total	68	69	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Homes and Park to SE	Residential	54	54	53.5

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Dozer	No	40		81.7	280	0
Dozer	No	40		81.7	330	0
Dozer	No	40		81.7	380	0
Front End Loader	No	40		79.1	430	0
Front End Loader	No	40		79.1	480	0
Front End Loader	No	40		79.1	530	0
Front End Loader	No	40		79.1	580	0
Dump Truck	No	40		76.5	630	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Dozer	66.7	62.7	N/A	N/A	N/A	N/A
Dozer	65.3	61.3	N/A	N/A	N/A	N/A
Dozer	64.1	60.1	N/A	N/A	N/A	N/A
Front End Loader	60.4	56.4	N/A	N/A	N/A	N/A
Front End Loader	59.5	55.5	N/A	N/A	N/A	N/A
Front End Loader	58.6	54.6	N/A	N/A	N/A	N/A
Front End Loader	57.8	53.8	N/A	N/A	N/A	N/A
Dump Truck	54.4	50.5	N/A	N/A	N/A	N/A
Total	67	68	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/9/2015
 Case Description: Eastvale Crossings - Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Homes to West	Residential	64.8	64.8	64.8

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Excavator	No	40		80.7	230	0
Excavator	No	40		80.7	280	0
Grader	No	40	85		330	0
Dozer	No	40		81.7	380	0
Scraper	No	40		83.6	430	0
Scraper	No	40		83.6	480	0
Tractor	No	40	84		530	0
Tractor	No	40	84		580	0
Dump Truck	No	40		76.5	630	0

Equipment	Results					
	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Excavator	67.5	63.5	N/A	N/A	N/A	N/A
Excavator	65.7	61.8	N/A	N/A	N/A	N/A
Grader	68.6	64.6	N/A	N/A	N/A	N/A
Dozer	64.1	60.1	N/A	N/A	N/A	N/A
Scraper	64.9	60.9	N/A	N/A	N/A	N/A
Scraper	63.9	60.0	N/A	N/A	N/A	N/A
Tractor	63.5	59.5	N/A	N/A	N/A	N/A
Tractor	62.7	58.7	N/A	N/A	N/A	N/A
Dump Truck	54.4	50.5	N/A	N/A	N/A	N/A
Total	69	71	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Homes and Park to SE	Residential	54	54	53.5

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Excavator	No	40		80.7	280	0
Excavator	No	40		80.7	330	0
Grader	No	40	85		380	0
Dozer	No	40		81.7	430	0
Scraper	No	40		83.6	480	0
Scraper	No	40		83.6	530	0
Tractor	No	40	84		580	0
Tractor	No	40	84		630	0
Dump Truck	No	40		76.5	680	0

Equipment	Results					
	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Excavator	65.7	61.8	N/A	N/A	N/A	N/A
Excavator	64.3	60.3	N/A	N/A	N/A	N/A
Grader	67.4	63.4	N/A	N/A	N/A	N/A
Dozer	63.0	59.0	N/A	N/A	N/A	N/A
Scraper	63.9	60.0	N/A	N/A	N/A	N/A
Scraper	63.1	59.1	N/A	N/A	N/A	N/A
Tractor	62.7	58.7	N/A	N/A	N/A	N/A
Tractor	62.0	58.0	N/A	N/A	N/A	N/A
Dump Truck	53.8	49.8	N/A	N/A	N/A	N/A
Total	67	70	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/9/2015
 Case Description: Eastvale Crossings - Paving

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Homes to West	Residential	64.8	64.8	64.8

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	260	0
Paver	No	50		77.2	310	0
Paver	No	50		77.2	360	0
Paver	No	50		77.2	410	0
Concrete Mixer Truck	No	40		78.8	460	0
Concrete Mixer Truck	No	40		78.8	510	0
Roller	No	20		80	560	0
Roller	No	20		80	610	0
Tractor	No	40	84		660	0

Equipment	Results						
	Calculated (dBA)			Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening		Leq
Paver	62.9	59.9	N/A	N/A	N/A	N/A	N/A
Paver	61.4	58.4	N/A	N/A	N/A	N/A	N/A
Paver	60.1	57.1	N/A	N/A	N/A	N/A	N/A
Paver	58.9	55.9	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck	59.5	55.5	N/A	N/A	N/A	N/A	N/A
Concrete Mixer Truck	58.6	54.6	N/A	N/A	N/A	N/A	N/A
Roller	59.0	52.0	N/A	N/A	N/A	N/A	N/A
Roller	58.3	51.3	N/A	N/A	N/A	N/A	N/A
Tractor	61.6	57.6	N/A	N/A	N/A	N/A	N/A
Total	63	66	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		Night
		Daytime	Evening	
Nearest Homes and Park to SE	Residential	54	54	53.5

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Paver	No	50		77.2	280	0
Paver	No	50		77.2	330	0
Paver	No	50		77.2	380	0
Paver	No	50		77.2	430	0
Concrete Mixer Truck	No	40		78.8	480	0
Concrete Mixer Truck	No	40.0		78.8	530	0
Roller	No	20.0		80	580	0
Roller	No	20.0		80	630	0
Tractor	No	40.0	84		680	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Paver	62.3	59.2	N/A	N/A	N/A	N/A
Paver	60.8	57.8	N/A	N/A	N/A	N/A
Paver	59.6	56.6	N/A	N/A	N/A	N/A
Paver	58.5	55.5	N/A	N/A	N/A	N/A
Concrete Mixer Truck	59.2	55.2	N/A	N/A	N/A	N/A
Concrete Mixer Truck	58.3	54.3	N/A	N/A	N/A	N/A
Roller	58.7	51.7	N/A	N/A	N/A	N/A
Roller	58.0	51.0	N/A	N/A	N/A	N/A
Tractor	61.3	57.3	N/A	N/A	N/A	N/A
Total	62	66	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/9/2015
 Case Description: Eastvale Crossings - Building Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Homes to West	Residential	64.8	64.8	64.8

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Gradall	No	40		83.4	290	0
Gradall	No	40		83.4	340	0
Gradall	No	40		83.4	390	0
Crane	No	16		80.6	440	0
Tractor	No	40	84		490	0
Tractor	No	40	84		540	0
Tractor	No	40	84		590	0
Generator	No	50		80.6	640	0
Welder / Torch	No	40		74	690	0

Equipment	Results					
	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Gradall	68.1	64.2	N/A	N/A	N/A	N/A
Gradall	66.7	62.8	N/A	N/A	N/A	N/A
Gradall	65.6	61.6	N/A	N/A	N/A	N/A
Crane	61.7	53.7	N/A	N/A	N/A	N/A
Tractor	64.2	60.2	N/A	N/A	N/A	N/A
Tractor	63.3	59.4	N/A	N/A	N/A	N/A
Tractor	62.6	58.6	N/A	N/A	N/A	N/A
Generator	58.5	55.5	N/A	N/A	N/A	N/A
Welder / Torch	51.2	47.2	N/A	N/A	N/A	N/A
Total	68	70	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Homes and Park to SE	Residential	54	54	53.5

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Gradall	No	40		83.4	340	0
Gradall	No	40		83.4	390	0
Gradall	No	40		83.4	440	0
Crane	No	16		80.6	490	0
Tractor	No	40	84		540	0
Tractor	No	40	84		590	0
Tractor	No	40	84		640	0
Generator	No	50		80.6	690	0
Welder / Torch	No	40		74	740	0

Equipment	Results					
	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Gradall	66.7	62.8	N/A	N/A	N/A	N/A
Gradall	65.6	61.6	N/A	N/A	N/A	N/A
Gradall	64.5	60.5	N/A	N/A	N/A	N/A
Crane	60.7	52.8	N/A	N/A	N/A	N/A
Tractor	63.3	59.4	N/A	N/A	N/A	N/A
Tractor	62.6	58.6	N/A	N/A	N/A	N/A
Tractor	61.9	57.9	N/A	N/A	N/A	N/A
Generator	57.8	54.8	N/A	N/A	N/A	N/A
Welder / Torch	50.6	46.6	N/A	N/A	N/A	N/A
Total	67	69	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 6/9/2015
 Case Description: Eastvale Crossings - Painting

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Homes to West	Residential	64.8	64.8	64.8

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	290	0

Equipment	Calculated (dBA)		Results			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Compressor (air)	62.4	58.4	N/A	N/A	N/A	N/A
Total	62	58	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Homes and Park to SE	Residential	54	54	53.5

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Compressor (air)	No	40		77.7	340	0

Equipment	Calculated (dBA)		Results			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Compressor (air)	61.0	57.0	N/A	N/A	N/A	N/A
Total	61	57	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

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