LEGEND

●2 Noise Measurement Location

Project Site

Figure 1

Proposed Noise Measurement Locations

SOURCE: Google Maps.

VISTA
ENVIRONMENTAL

Noise Measurement Site 1 - looking north

Noise Measurement Site 1 - looking northeast

Noise Measurement Site 1 - looking east

Noise Measurement Site 1 - looking southeast

Noise Measurement Site 1 - looking south

Noise Measurement Site 1 - looking southwest

Noise Measurement Site 1 - looking west

Noise Measurement Site 1 - looking northwest

Noise Measurement Site 2 - looking north

Noise Measurement Site 2 - looking northeast

Noise Measurement Site 2 - looking east

Noise Measurement Site 2 - looking southeast

Noise Measurement Site 2 - looking south

Noise Measurement Site 2 - looking southwest

Noise Measurement Site 2 - looking west

Noise Measurement Site 2 - looking northwest

Noise Measurement Site 3 - looking north

Noise Measurement Site 3 - looking northeast

Noise Measurement Site 3 - looking east

Noise Measurement Site 3 - looking southeast

Noise Measurement Site 3 - looking south

Noise Measurement Site 3 - looking southwest

Noise Measurement Site 3 - looking west

Noise Measurement Site 3 - looking northwest

Site 1 - SW side of Coast Hwy - Superior Ave Intersection

June 25, 2019 12:06:31 PM   Leq Daytime = 69.6
ampling Time = 1 s Freq Weighting=A   Leq Nighttime = 66.5
Record Num = 86402   CNEL(24hr)= 74.6
Leq = 68.3   Ldn(24hr)= 74.3
Min = 37.6   Min Leq hr at 3:37 AM 55.6
Max = 98.5   Max Leq hr at 10:34 PM 72.6

Site 2 - NW Side of Superior Ave

June 25, 2019 12:27:38 PM   Leq Daytime = 67.0
ampling Time = 1 s Freq Weighting=A   Leq Nighttime = 56.7
Record Num = 86402   CNEL(24hr)= 67.4
Leq = 64.3   Ldn(24hr)= 66.9
Min = 36.4   Min Leq hr at 3:41 AM 60.6
Max = 95.6   Max Leq hr at 2:55 PM 69.6

Site 3 - South Side of Coast Hwy

June 25, 2019 12:15:53 PM   Leq Daytime = 76.2
ampling Time = 1 s Freq Weighting=A   Leq Nighttime = 68.3
Record Num = 86402   CNEL(24hr)= 77.7
Leq = 73.8   Ldn(24hr)= 77.4
Min = 43.8   Min Leq hr at 3:21 AM 60.6
Max = 106.2   Max Leq hr at 6:46 PM 78.0

Site 1 - SW side of Coast Hwy - Superior Ave Intersection

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
61.1	12:06:31		61.1	61.1
61.1	12:06:32		61.1	61.1
61.1	12:06:33		61.1	61.1
61.7	12:06:34		61.7	61.7
68.6	12:06:35		68.6	68.6
71.7	12:06:36		71.7	71.7
72.4	12:06:37		72.4	72.4
68.6	12:06:38		68.6	68.6
65.1	12:06:39		65.1	65.1
66.6	12:06:40		66.6	66.6
67.4	12:06:41		67.4	67.4
63.6	12:06:42		63.6	63.6
60.9	12:06:43		60.9	60.9
61.5	12:06:44		61.5	61.5
58.7	12:06:45		58.7	58.7
56.9	12:06:46		56.9	56.9
55.6	12:06:47		55.6	55.6
54.3	12:06:48		54.3	54.3
53.6	12:06:49		53.6	53.6
54.3	12:06:50		54.3	54.3
57.8	12:06:51		57.8	57.8
60.4	12:06:52		60.4	60.4
62.1	12:06:53		62.1	62.1
64.9	12:06:54		64.9	64.9
68.0	12:06:55		68.0	68.0
71.8	12:06:56		71.8	71.8
73.5	12:06:57		73.5	73.5
70.1	12:06:58		70.1	70.1
73.3	12:06:59		73.3	73.3
70.9	12:07:00		70.9	70.9
68.5	12:07:01		68.5	68.5
67.1	12:07:02		67.1	67.1
66.4	12:07:03		66.4	66.4
65.9	12:07:04		65.9	65.9
66.7	12:07:05		66.7	66.7
67.8	12:07:06		67.8	67.8
68.9	12:07:07		68.9	68.9
68.9	12:07:08		68.9	68.9
66.8	12:07:09		66.8	66.8
67.8	12:07:10		67.8	67.8
69.5	12:07:11		69.5	69.5
68.2	12:07:12		68.2	68.2
70.1	12:07:13		70.1	70.1
67.7	12:07:14		67.7	67.7
65.9	12:07:15		65.9	65.9
66.2	12:07:16		66.2	66.2
66.7	12:07:17		66.7	66.7
66.8	12:07:18		66.8	66.8
66.9	12:07:19		66.9	66.9
67.3	12:07:20		67.3	67.3
68.2	12:07:21		68.2	68.2
68.2	12:07:22		68.2	68.2
68.8	12:07:23		68.8	68.8
69.4	12:07:24		69.4	69.4
69.4	12:07:25		69.4	69.4
70.3	12:07:26		70.3	70.3
70.8	12:07:27		70.8	70.8
71.1	12:07:28		71.1	71.1
73.8	12:07:29		73.8	73.8
76.6	12:07:30		76.6	76.6
76.8	12:07:31		76.8	76.8
76.6	12:07:32		76.6	76.6
74.6	12:07:33		74.6	74.6
72.5	12:07:34		72.5	72.5
71.0	12:07:35		71.0	71.0
70.3	12:07:36		70.3	70.3
70.7	12:07:37		70.7	70.7
70.7	12:07:38		70.7	70.7
70.3	12:07:39		70.3	70.3
69.8	12:07:40		69.8	69.8
69.3	12:07:41		69.3	69.3
69.9	12:07:42		69.9	69.9
70.2	12:07:43		70.2	70.2
70.7	12:07:44		70.7	70.7
70.6	12:07:45		70.6	70.6
70.7	12:07:46		70.7	70.7
71.2	12:07:47		71.2	71.2
71.8	12:07:48		71.8	71.8
72.1	12:07:49		72.1	72.1
72.3	12:07:50		72.3	72.3
72.3	12:07:51		72.3	72.3
73.4	12:07:52		73.4	73.4
73.8	12:07:53		73.8	73.8
73.2	12:07:54		73.2	73.2
72.3	12:07:55		72.3	72.3
71.4	12:07:56		71.4	71.4
70.8	12:07:57		70.8	70.8
71.6	12:07:58		71.6	71.6
73.4	12:07:59		73.4	73.4
73.9	12:08:00		73.9	73.9
73.1	12:08:01		73.1	73.1
72.3	12:08:02		72.3	72.3
71.0	12:08:03		71.0	71.0
70.1	12:08:04		70.1	70.1
68.9	12:08:05		68.9	68.9
68.5	12:08:06		68.5	68.5
67.8	12:08:07		67.8	67.8
66.8	12:08:08		66.8	66.8
65.3	12:08:09		65.3	65.3
63.9	12:08:10		63.9	63.9
64.4	12:08:11		64.4	64.4
66.7	12:08:12		66.7	66.7
64.9	12:08:13		64.9	64.9
63.1	12:08:14		63.1	63.1
62.3	12:08:15		62.3	62.3
61.5	12:08:16		61.5	61.5
61.4	12:08:17		61.4	61.4
62.0	12:08:18		62.0	62.0
61.9	12:08:19		61.9	61.9
61.8	12:08:20		61.8	61.8
62.4	12:08:21		62.4	62.4
63.0	12:08:22		63.0	63.0
63.1	12:08:23		63.1	63.1
62.7	12:08:24		62.7	62.7
61.5	12:08:25		61.5	61.5
60.6	12:08:26		60.6	60.6
59.9	12:08:27		59.9	59.9
59.1	12:08:28		59.1	59.1
60.5	12:08:29		60.5	60.5
62.1	12:08:30		62.1	62.1
63.3	12:08:31		63.3	63.3
64.5	12:08:32		64.5	64.5
67.4	12:08:33		67.4	67.4
68.1	12:08:34		68.1	68.1
66.1	12:08:35		66.1	66.1
64.4	12:08:36		64.4	64.4
63.1	12:08:37		63.1	63.1
62.2	12:08:38		62.2	62.2
61.6	12:08:39		61.6	61.6
60.7	12:08:40		60.7	60.7
60.2	12:08:41		60.2	60.2
59.8	12:08:42		59.8	59.8
59.0	12:08:43		59.0	59.0
58.2	12:08:44		58.2	58.2
58.1	12:08:45		58.1	58.1
59.3	12:08:46		59.3	59.3
60.0	12:08:47		60.0	60.0
59.8	12:08:48		59.8	59.8
60.2	12:08:49		60.2	60.2
62.2	12:08:50		62.2	62.2
63.2	12:08:51		63.2	63.2
63.3	12:08:52		63.3	63.3
62.7	12:08:53		62.7	62.7
62.1	12:08:54		62.1	62.1
62.7	12:08:55		62.7	62.7
63.5	12:08:56		63.5	63.5
64.0	12:08:57		64.0	64.0
64.8	12:08:58		64.8	64.8
65.0	12:08:59		65.0	65.0
65.1	12:09:00		65.1	65.1
66.5	12:09:01		66.5	66.5
68.2	12:09:02		68.2	68.2
69.4	12:09:03		69.4	69.4
67.3	12:09:04		67.3	67.3
66.5	12:09:05		66.5	66.5
65.0	12:09:06		65.0	65.0
64.9	12:09:07		64.9	64.9
64.3	12:09:08		64.3	64.3
64.4	12:09:09		64.4	64.4
65.6	12:09:10		65.6	65.6
65.8	12:09:11		65.8	65.8
65.3	12:09:12		65.3	65.3
65.0	12:09:13		65.0	65.0
66.5	12:09:14		66.5	66.5
68.3	12:09:16		68.3	68.3
71.2	12:09:17		71.2	71.2
72.1	12:09:18		72.1	72.1
73.0	12:09:19		73.0	73.0
72.2	12:09:20		72.2	72.2
72.6	12:09:21		72.6	72.6
72.8	12:09:22		72.8	72.8
72.1	12:09:23		72.1	72.1
71.4	12:09:24		71.4	71.4
70.3	12:09:25		70.3	70.3

Site 2 - NW Side of Superior Ave

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
60.7	12:27:38		60.7	60.7
61.3	12:27:39		61.3	61.3
63.7	12:27:40		63.7	63.7
65.5	12:27:41		65.5	65.5
64.9	12:27:42		64.9	64.9
62.9	12:27:43		62.9	62.9
61.2	12:27:44		61.2	61.2
58.2	12:27:45		58.2	58.2
69.9	12:27:46		69.9	69.9
72.5	12:27:47		72.5	72.5
70.0	12:27:48		70.0	70.0
66.4	12:27:49		66.4	66.4
69.5	12:27:50		69.5	69.5
67.2	12:27:51		67.2	67.2
63.2	12:27:52		63.2	63.2
69.8	12:27:53		69.8	69.8
67.8	12:27:54		67.8	67.8
63.2	12:27:55		63.2	63.2
62.0	12:27:56		62.0	62.0
69.0	12:27:57		69.0	69.0
67.6	12:27:58		67.6	67.6
66.0	12:27:59		66.0	66.0
70.2	12:28:00		70.2	70.2
67.7	12:28:01		67.7	67.7
65.5	12:28:02		65.5	65.5
64.7	12:28:03		64.7	64.7
67.0	12:28:04		67.0	67.0
70.1	12:28:05		70.1	70.1
64.3	12:28:06		64.3	64.3
65.5	12:28:07		65.5	65.5
64.4	12:28:08		64.4	64.4
63.6	12:28:09		63.6	63.6
62.1	12:28:10		62.1	62.1
62.0	12:28:11		62.0	62.0
70.3	12:28:12		70.3	70.3
68.8	12:28:13		68.8	68.8
65.2	12:28:14		65.2	65.2
71.8	12:28:15		71.8	71.8
69.5	12:28:16		69.5	69.5
67.4	12:28:17		67.4	67.4
65.6	12:28:18		65.6	65.6
67.0	12:28:19		67.0	67.0
67.5	12:28:20		67.5	67.5
67.0	12:28:21		67.0	67.0
66.2	12:28:22		66.2	66.2
65.6	12:28:23		65.6	65.6
66.5	12:28:24		66.5	66.5
70.3	12:28:25		70.3	70.3
71.6	12:28:26		71.6	71.6
71.1	12:28:27		71.1	71.1
69.3	12:28:28		69.3	69.3
66.6	12:28:29		66.6	66.6
65.6	12:28:30		65.6	65.6
66.6	12:28:31		66.6	66.6
64.2	12:28:32		64.2	64.2
66.2	12:28:33		66.2	66.2
69.2	12:28:34		69.2	69.2
68.9	12:28:35		68.9	68.9
66.6	12:28:36		66.6	66.6
63.9	12:28:37		63.9	63.9
60.9	12:28:38		60.9	60.9
58.3	12:28:39		58.3	58.3
64.1	12:28:40		64.1	64.1
70.3	12:28:41		70.3	70.3
70.8	12:28:42		70.8	70.8
68.2	12:28:43		68.2	68.2
65.3	12:28:44		65.3	65.3
62.4	12:28:45		62.4	62.4
61.4	12:28:46		61.4	61.4
65.7	12:28:47		65.7	65.7
66.9	12:28:48		66.9	66.9
63.2	12:28:49		63.2	63.2
60.0	12:28:50		60.0	60.0
58.6	12:28:51		58.6	58.6
57.7	12:28:52		57.7	57.7
62.5	12:28:53		62.5	62.5
62.9	12:28:54		62.9	62.9
61.7	12:28:55		61.7	61.7
59.9	12:28:56		59.9	59.9
58.2	12:28:57		58.2	58.2
60.4	12:28:58		60.4	60.4
60.9	12:28:59		60.9	60.9
59.3	12:29:00		59.3	59.3
58.8	12:29:01		58.8	58.8
58.7	12:29:02		58.7	58.7
62.5	12:29:03		62.5	62.5
65.1	12:29:04		65.1	65.1
63.6	12:29:05		63.6	63.6
61.7	12:29:06		61.7	61.7
60.3	12:29:07		60.3	60.3
62.5	12:29:08		62.5	62.5
65.2	12:29:09		65.2	65.2
67.4	12:29:10		67.4	67.4
67.5	12:29:11		67.5	67.5
70.1	12:29:12		70.1	70.1
70.0	12:29:13		70.0	70.0
69.3	12:29:14		69.3	69.3
68.7	12:29:15		68.7	68.7
70.1	12:29:16		70.1	70.1
70.3	12:29:17		70.3	70.3
69.6	12:29:18		69.6	69.6
68.1	12:29:19		68.1	68.1
66.6	12:29:20		66.6	66.6
65.0	12:29:21		65.0	65.0
63.6	12:29:22		63.6	63.6
65.3	12:29:23		65.3	65.3
68.0	12:29:24		68.0	68.0
68.2	12:29:25		68.2	68.2
69.0	12:29:26		69.0	69.0
67.7	12:29:27		67.7	67.7
67.4	12:29:28		67.4	67.4
68.3	12:29:29		68.3	68.3
69.8	12:29:30		69.8	69.8
69.2	12:29:31		69.2	69.2
67.9	12:29:32		67.9	67.9
65.2	12:29:33		65.2	65.2
61.8	12:29:34		61.8	61.8
58.5	12:29:35		58.5	58.5
55.8	12:29:36		55.8	55.8
53.7	12:29:37		53.7	53.7
60.7	12:29:38		60.7	60.7
73.4	12:29:39		73.4	73.4
69.4	12:29:40		69.4	69.4
65.4	12:29:41		65.4	65.4
62.5	12:29:42		62.5	62.5
60.9	12:29:43		60.9	60.9
60.1	12:29:44		60.1	60.1
60.1	12:29:45		60.1	60.1
63.4	12:29:46		63.4	63.4
67.1	12:29:47		67.1	67.1
66.8	12:29:48		66.8	66.8
65.8	12:29:49		65.8	65.8
63.9	12:29:50		63.9	63.9
61.5	12:29:51		61.5	61.5
63.7	12:29:52		63.7	63.7
65.7	12:29:53		65.7	65.7
66.5	12:29:54		66.5	66.5
69.0	12:29:55		69.0	69.0
67.7	12:29:56		67.7	67.7
68.3	12:29:57		68.3	68.3
65.7	12:29:58		65.7	65.7
62.5	12:29:59		62.5	62.5
60.8	12:30:00		60.8	60.8
59.8	12:30:01		59.8	59.8
63.4	12:30:02		63.4	63.4
66.8	12:30:03		66.8	66.8
66.7	12:30:04		66.7	66.7
64.9	12:30:05		64.9	64.9
62.8	12:30:06		62.8	62.8
61.6	12:30:07		61.6	61.6
61.0	12:30:08		61.0	61.0
62.7	12:30:09		62.7	62.7
64.3	12:30:10		64.3	64.3
64.6	12:30:11		64.6	64.6
63.9	12:30:12		63.9	63.9
62.2	12:30:13		62.2	62.2
62.6	12:30:14		62.6	62.6
67.8	12:30:15		67.8	67.8
67.9	12:30:16		67.9	67.9
67.9	12:30:17		67.9	67.9
67.3	12:30:18		67.3	67.3
67.4	12:30:19		67.4	67.4
72.9	12:30:20		72.9	72.9
72.3	12:30:21		72.3	72.3
73.2	12:30:22		73.2	73.2
72.0	12:30:23		72.0	72.0
69.2	12:30:24		69.2	69.2
65.4	12:30:25		65.4	65.4
62.3	12:30:26		62.3	62.3
66.3	12:30:28		66.3	66.3
65.0	12:30:29		65.0	65.0
62.1	12:30:30		62.1	62.1
58.7	12:30:31		58.7	58.7
60.0	12:30:32		60.0	60.0

Site 3 - South Side of Coast Hwy

SPL	Time	Leq (1 hour Avg.)	Ldn	CNEL
75.2	12:15:53		75.2	75.2
73.7	12:15:55		73.7	73.7
70.9	12:15:56		70.9	70.9
69.2	12:15:57		69.2	69.2
68.9	12:15:58		68.9	68.9
70.4	12:15:59		70.4	70.4
73.3	12:16:00		73.3	73.3
76.2	12:16:01		76.2	76.2
74.7	12:16:02		74.7	74.7
73.2	12:16:03		73.2	73.2
72.8	12:16:04		72.8	72.8
73.3	12:16:05		73.3	73.3
74.0	12:16:06		74.0	74.0
68.9	12:16:07		68.9	68.9
76.2	12:16:08		76.2	76.2
72.7	12:16:09		72.7	72.7
79.8	12:16:10		79.8	79.8
78.3	12:16:11		78.3	78.3
75.9	12:16:12		75.9	75.9
73.4	12:16:13		73.4	73.4
72.4	12:16:14		72.4	72.4
75.0	12:16:15		75.0	75.0
77.1	12:16:16		77.1	77.1
76.4	12:16:17		76.4	76.4
74.1	12:16:18		74.1	74.1
73.4	12:16:19		73.4	73.4
78.4	12:16:20		78.4	78.4
79.8	12:16:21		79.8	79.8
79.7	12:16:22		79.7	79.7
78.6	12:16:23		78.6	78.6
78.9	12:16:24		78.9	78.9
80.6	12:16:25		80.6	80.6
81.5	12:16:26		81.5	81.5
80.5	12:16:27		80.5	80.5
78.2	12:16:28		78.2	78.2
78.3	12:16:29		78.3	78.3
79.8	12:16:30		79.8	79.8
79.8	12:16:31		79.8	79.8
79.7	12:16:32		79.7	79.7
78.7	12:16:33		78.7	78.7
78.1	12:16:34		78.1	78.1
79.5	12:16:35		79.5	79.5
78.9	12:16:36		78.9	78.9
78.7	12:16:37		78.7	78.7
78.9	12:16:38		78.9	78.9
78.3	12:16:39		78.3	78.3
77.0	12:16:40		77.0	77.0
77.0	12:16:41		77.0	77.0
77.3	12:16:42		77.3	77.3
78.8	12:16:43		78.8	78.8
78.8	12:16:44		78.8	78.8
77.7	12:16:45		77.7	77.7
75.6	12:16:46		75.6	75.6
75.1	12:16:47		75.1	75.1
77.2	12:16:48		77.2	77.2
74.9	12:16:49		74.9	74.9
74.4	12:16:50		74.4	74.4
73.1	12:16:51		73.1	73.1
71.9	12:16:52		71.9	71.9
72.2	12:16:53		72.2	72.2
71.7	12:16:54		71.7	71.7
70.2	12:16:55		70.2	70.2
71.8	12:16:56		71.8	71.8
74.6	12:16:57		74.6	74.6
77.6	12:16:58		77.6	77.6
78.0	12:16:59		78.0	78.0
78.9	12:17:00		78.9	78.9
78.6	12:17:01		78.6	78.6
78.0	12:17:02		78.0	78.0
75.7	12:17:03		75.7	75.7
73.3	12:17:04		73.3	73.3
71.7	12:17:05		71.7	71.7
69.1	12:17:06		69.1	69.1
67.0	12:17:07		67.0	67.0
65.0	12:17:08		65.0	65.0
65.0	12:17:09		65.0	65.0
62.6	12:17:10		62.6	62.6
59.9	12:17:11		59.9	59.9
58.5	12:17:12		58.5	58.5
59.0	12:17:13		59.0	59.0
57.9	12:17:14		57.9	57.9
64.1	12:17:15		64.1	64.1
61.2	12:17:16		61.2	61.2
65.5	12:17:17		65.5	65.5
65.8	12:17:18		65.8	65.8
66.9	12:17:19		66.9	66.9
64.9	12:17:20		64.9	64.9
61.7	12:17:21		61.7	61.7
59.2	12:17:22		59.2	59.2
61.2	12:17:23		61.2	61.2
61.1	12:17:24		61.1	61.1
58.5	12:17:25		58.5	58.5
57.8	12:17:26		57.8	57.8
57.1	12:17:27		57.1	57.1
56.0	12:17:28		56.0	56.0
54.5	12:17:29		54.5	54.5
54.1	12:17:30		54.1	54.1
54.7	12:17:31		54.7	54.7
56.2	12:17:32		56.2	56.2
58.1	12:17:33		58.1	58.1
59.4	12:17:34		59.4	59.4
61.2	12:17:35		61.2	61.2
62.9	12:17:36		62.9	62.9
62.5	12:17:37		62.5	62.5
61.7	12:17:38		61.7	61.7
61.3	12:17:39		61.3	61.3
61.1	12:17:40		61.1	61.1
61.9	12:17:41		61.9	61.9
63.6	12:17:42		63.6	63.6
64.1	12:17:43		64.1	64.1
65.5	12:17:44		65.5	65.5
65.9	12:17:45		65.9	65.9
65.4	12:17:46		65.4	65.4
65.5	12:17:47		65.5	65.5
65.4	12:17:48		65.4	65.4
65.9	12:17:49		65.9	65.9
66.4	12:17:50		66.4	66.4
67.1	12:17:51		67.1	67.1
68.5	12:17:52		68.5	68.5
69.1	12:17:53		69.1	69.1
70.1	12:17:54		70.1	70.1
73.0	12:17:55		73.0	73.0
75.8	12:17:56		75.8	75.8
75.0	12:17:57		75.0	75.0
74.3	12:17:58		74.3	74.3
73.9	12:17:59		73.9	73.9
73.7	12:18:00		73.7	73.7
73.6	12:18:01		73.6	73.6
73.5	12:18:02		73.5	73.5
72.6	12:18:03		72.6	72.6
70.9	12:18:04		70.9	70.9
69.7	12:18:05		69.7	69.7
68.9	12:18:06		68.9	68.9
68.0	12:18:07		68.0	68.0
66.4	12:18:08		66.4	66.4
66.6	12:18:09		66.6	66.6
69.3	12:18:10		69.3	69.3
71.3	12:18:11		71.3	71.3
74.9	12:18:12		74.9	74.9
75.3	12:18:13		75.3	75.3
74.0	12:18:14		74.0	74.0
75.0	12:18:15		75.0	75.0
75.2	12:18:16		75.2	75.2
73.5	12:18:17		73.5	73.5
72.7	12:18:18		72.7	72.7
75.0	12:18:19		75.0	75.0
77.7	12:18:20		77.7	77.7
78.8	12:18:21		78.8	78.8
78.8	12:18:22		78.8	78.8
77.8	12:18:23		77.8	77.8
76.9	12:18:24		76.9	76.9
76.4	12:18:25		76.4	76.4
74.6	12:18:26		74.6	74.6
72.3	12:18:27		72.3	72.3
69.7	12:18:28		69.7	69.7
67.4	12:18:29		67.4	67.4
65.4	12:18:30		65.4	65.4
64.2	12:18:31		64.2	64.2
63.2	12:18:32		63.2	63.2
62.1	12:18:33		62.1	62.1
61.2	12:18:34		61.2	61.2
60.7	12:18:35		60.7	60.7
60.6	12:18:36		60.6	60.6
63.3	12:18:37		63.3	63.3
69.2	12:18:38		69.2	69.2
71.1	12:18:39		71.1	71.1
72.4	12:18:40		72.4	72.4
71.7	12:18:41		71.7	71.7
71.3	12:18:42		71.3	71.3
70.7	12:18:43		70.7	70.7
72.0	12:18:44		72.0	72.0
75.1	12:18:45		75.1	75.1
76.5	12:18:47		76.5	76.5
77.0	12:18:48		77.0	77.0

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/16/2019
Case Description: Superior Ave Ped Bridge - Demolition

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
MFH to South	Residential	76.2	76.2	68.3

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	230	0
Excavator	No	40		80.7	280	0
Excavator	No	40		80.7	330	0
Excavator	No	40		80.7	380	0
Dozer	No	40		81.7	430	0
Dozer	No	40		81.7	480	0

Results

Equipment		Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq
Concrete Saw		76.3	69.3	N/A	N/A	N/A	N/A
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
Excavator		63.1	59.1	N/A	N/A	N/A	N/A
Dozer		63.0	59.0	N/A	N/A	N/A	N/A
Dozer		62.0	58.0	N/A	N/A	N/A	N/A
	Total	**76**	**71** N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/16/2019

Case Description: Superior Ave Ped Bridge - Demolition

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
MFH to Northeast	Residential	67	67	56.7

Description		Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw		No	20		89.6	220	0
Excavator		No	40		80.7	520	0
Excavator		No	40		80.7	570	0
Excavator		No	40		80.7	620	0
Dozer		No	40		81.7	670	0
Dozer		No	40.0		81.7	720	0

Results

Equipment		Calculated (dBA)		Noise Limits (dBA)			
				Day		Evening	
		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw		76.7	69.7	N/A	N/A	N/A	N/A
Excavator		60.4	56.4	N/A	N/A	N/A	N/A
Excavator		59.6	55.6	N/A	N/A	N/A	N/A
Excavator		58.8	54.9	N/A	N/A	N/A	N/A
Dozer		59.1	55.1	N/A	N/A	N/A	N/A
Dozer		58.5	54.5	N/A	N/A	N/A	N/A
	Total	**77**	**71**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/16/2019
Case Description: Superior Ave Ped Bridge - Demolition

---- Receptor #3 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
SFH to Southwest	Residential	70	70	66.5

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Saw	No	20		89.6	400	0
Excavator	No	40		80.7	450	0
Excavator	No	40		80.7	500	0
Excavator	No	40		80.7	550	0
Dozer	No	40		81.7	600	0
Dozer	No	40		81.7	650	0

Results

Calculated (dBA)   Noise Limits (dBA)

Equipment	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Concrete Saw	72	65	N/A	N/A	N/A	N/A
Excavator	62	58	N/A	N/A	N/A	N/A
Excavator	61	57	N/A	N/A	N/A	N/A
Excavator	60	56	N/A	N/A	N/A	N/A
Dozer	60	56	N/A	N/A	N/A	N/A
Dozer	59.4	55.4	N/A	N/A	N/A	N/A
Total	**72**	**67**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/16/2019
Case Description: Superior Ave Ped Bridge - Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
MFH to South	Residential	76.2	76.2	68.3

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Drill Rig Truck	No	20		79.1	165	0
Excavator	No	40		80.7	215	0
Grader	No	40	85		265	0
Dozer	No	40		81.7	315	0
Tractor	No	40	84		365	0
Tractor	No	40	84		415	0
Tractor	No	40	84		465	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq
Drill Rig Truck	68.8	61.8	N/A	N/A	N/A	N/A
Excavator	68.0	64.1	N/A	N/A	N/A	N/A
Grader	70.5	66.5	N/A	N/A	N/A	N/A
Dozer	65.7	61.7	N/A	N/A	N/A	N/A
Tractor	66.7	62.8	N/A	N/A	N/A	N/A
Tractor	66	61.6	N/A	N/A	N/A	N/A
Tractor	64.6	60.7	N/A	N/A	N/A	N/A
Total	**71**	**72** N/A	N/A	N/A	N/A	

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/16/2019
Case Description: Superior Ave Ped Bridge - Grading

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
MFH to Northeast	Residential	67.0	67.0	56.7

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Drill Rig Truck	No	20		79.1	220	0
Excavator	No	40		80.7	520	0
Grader	No	40	85		570	0
Dozer	No	40		81.7	620	0
Tractor	No	40	84		670	0
Tractor	No	40	84		720	0
Tractor	No	40	84		770	0

		Results				
	Calculated (dBA)			Noise Limits (dBA)		
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Drill Rig Truck	66.3	59.3	N/A	N/A	N/A	N/A
Excavator	60.4	56.4	N/A	N/A	N/A	N/A
Grader	63.9	59.9	N/A	N/A	N/A	N/A
Dozer	60	55.8	N/A	N/A	N/A	N/A
Tractor	61.5	57.5	N/A	N/A	N/A	N/A
Tractor	60.8	56.9	N/A	N/A	N/A	N/A
Tractor	60.2	56.3	N/A	N/A	N/A	N/A
Total	**66**	**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: 7/16/2019
Case Description: Superior Ave Ped Bridge - Grading

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
SFH to Southwest	Residential	70	70	66.5

			Equipment Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
Description	Impact Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Drill Rig Truck	No	20		79.1	400	0
Excavator	No	40		80.7	450	0
Grader	No	40	85		500	0
Dozer	No	40		81.7	550	0
Tractor	No	40	84		600	0
Tractor	No	40	84		650	0
Tractor	No	40	84		700	0

		Results					
		Calculated (dBA)			Noise Limits (dBA)		
				Day		Evening	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq
Drill Rig Truck		61.1	54.1	N/A	N/A	N/A	N/A
Excavator		62	57.6	N/A	N/A	N/A	N/A
Grader		65.0	61.0	N/A	N/A	N/A	N/A
Dozer		60.8	56.9	N/A	N/A	N/A	N/A
Tractor		62.4	58.4	N/A	N/A	N/A	N/A
Tractor		61.7	57.7	N/A	N/A	N/A	N/A
Tractor		61.1	57.1	N/A	N/A	N/A	N/A
	Total	**65**	**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: 7/16/2019
Case Description: Superior Ave Ped Bridge - Bridge Construction

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
MFH to South	Residential	76.2	76.2	68.3

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	500	0
Gradall	No	40		83.4	550	0
Gradall	No	40		83.4	600	0
Gradall	No	40		83.4	650	0
Tractor	No	40	84		700	0
Tractor	No	40	84		750	0
Tractor	No	40	84		800	0
Generator	No	50		80.6	850	0
Welder / Torch	No	40		74	900	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq
Crane	60.6	52.6	N/A	N/A	N/A	N/A
Gradall	62.6	58.6	N/A	N/A	N/A	N/A
Gradall	61.8	57.8	N/A	N/A	N/A	N/A
Gradall	61.1	57.1	N/A	N/A	N/A	N/A
Tractor	61.1	57.1	N/A	N/A	N/A	N/A
Tractor	60.5	56.5	N/A	N/A	N/A	N/A
Tractor	59.9	55.9	N/A	N/A	N/A	N/A
Generator	56.0	53.0	N/A	N/A	N/A	N/A
Welder / Torch	48.9	44.9	N/A	N/A	N/A	N/A
Total	**63**	**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: 7/16/2019
Case Description: Superior Ave Ped Bridge - Bridge Construction

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
MFH to Northeast	Residential	67.0	67.0	56.7

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	560	0
Gradall	No	40		83.4	610	0
Gradall	No	40		83.4	660	0
Gradall	No	40		83.4	710	0
Tractor	No	40	84		760	0
Tractor	No	40	84		810	0
Tractor	No	40	84		860	0
Generator	No	50		80.6	910	0
Welder / Torch	No	40		74	960	0

Results

Equipment		Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq
Crane		59.6	51.6	N/A	N/A	N/A	N/A
Gradall		61.7	57.7	N/A	N/A	N/A	N/A
Gradall		61.0	57.0	N/A	N/A	N/A	N/A
Gradall		60.4	56.4	N/A	N/A	N/A	N/A
Tractor		60.4	56.4	N/A	N/A	N/A	N/A
Tractor		59.8	55.8	N/A	N/A	N/A	N/A
Tractor		59.3	55.3	N/A	N/A	N/A	N/A
Generator		55.4	52.4	N/A	N/A	N/A	N/A
Welder / Torch		48.3	44.4	N/A	N/A	N/A	N/A
	Total	**62**	**65**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/16/2019
Case Description: Superior Ave Ped Bridge - Bridge Construction

---- Receptor #3 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
SFH to Southwest	Residential	70	70	66.5

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Crane	No	16		80.6	330	0
Gradall	No	40		83.4	380	0
Gradall	No	40		83.4	430	0
Gradall	No	40		83.4	480	0
Tractor	No	40	84		530	0
Tractor	No	40	84		580	0
Tractor	No	40	84		630	0
Generator	No	50		80.6	680	0
Welder / Torch	No	40		74	730	0

Results

Equipment		Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq
Crane		64.2	56.2	N/A	N/A	N/A	N/A
Gradall		65.8	61.8	N/A	N/A	N/A	N/A
Gradall		64.7	60.7	N/A	N/A	N/A	N/A
Gradall		63.8	59.8	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
Tractor		62.0	58.0	N/A	N/A	N/A	N/A
Generator		58.0	54.9	N/A	N/A	N/A	N/A
Welder / Torch		50.7	46.7	N/A	N/A	N/A	N/A
	Total	**66**	**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: 7/16/2019
Case Description: Superior Ave Ped Bridge - Paving

---- Receptor #1 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
MFH to South	Residential	76.2	76.2	68.3

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	200	0
Concrete Mixer Truck	No	40		78.8	250	0
Paver	No	50		77.2	300	0
Paver	No	50		77.2	350	0
Paver	No	50		77.2	400	0
Roller	No	20		80	450	0
Roller	No	20		80	500	0
Tractor	No	40	84		550	0

Results

	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	66.8	62.8	N/A	N/A	N/A	N/A
Concrete Mixer Truck	64.8	60.8	N/A	N/A	N/A	N/A
Paver	61.7	58.6	N/A	N/A	N/A	N/A
Paver	60.3	57.3	N/A	N/A	N/A	N/A
Paver	59.2	56.1	N/A	N/A	N/A	N/A
Roller	60.9	53.9	N/A	N/A	N/A	N/A
Roller	60.0	53.0	N/A	N/A	N/A	N/A
Tractor	63.2	59.2	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: 7/16/2019
Case Description: Superior Ave Ped Bridge - Paving

---- Receptor #2 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
MFH to Northeast	Residential	67	67	56.7

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	340	0
Concrete Mixer Truck	No	40		78.8	390	0
Paver	No	50		77.2	440	0
Paver	No	50		77.2	490	0
Paver	No	50		77.2	540	0
Roller	No	20		80	590	0
Roller	No	20		80	640	0
Tractor	No	40.0	84		690	0

Results

Equipment	Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq
Concrete Mixer Truck	62.1	58.2	N/A	N/A	N/A	N/A
Concrete Mixer Truck	61.0	57.0	N/A	N/A	N/A	N/A
Paver	58.3	55.3	N/A	N/A	N/A	N/A
Paver	57.4	54.4	N/A	N/A	N/A	N/A
Paver	56.6	53.5	N/A	N/A	N/A	N/A
Roller	58.6	51.6	N/A	N/A	N/A	N/A
Roller	57.9	50.9	N/A	N/A	N/A	N/A
Tractor	61.2	57.2	N/A	N/A	N/A	N/A
Total	**62**	**65**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/16/2019
Case Description: Superior Ave Ped Bridge - Paving

---- Receptor #3 ----

		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
SFH to Southwest	Residential	70	70	66.5

			Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Description	Impact Device	Usage(%)				
Concrete Mixer Truck	No	40		78.8	400	0
Concrete Mixer Truck	No	40		78.8	450	0
Paver	No	50		77.2	500	0
Paver	No	50.0		77.2	550	0
Paver	No	50.0		77.2	600	0
Roller	No	20.0		80	650	0
Roller	No	20.0		80	700	0
Tractor	No	40.0	84		750	0

				Results			
		Calculated (dBA)			Noise Limits (dBA)		
				Day		Evening	
Equipment	*Lmax	Leq		Lmax	Leq	Lmax	Leq
Concrete Mixer Truck		61	56.8	N/A	N/A	N/A	N/A
Concrete Mixer Truck		60	55.7	N/A	N/A	N/A	N/A
Paver		57	54.2	N/A	N/A	N/A	N/A
Paver		56	53.4	N/A	N/A	N/A	N/A
Paver		56	52.6	N/A	N/A	N/A	N/A
Roller		58	50.7	N/A	N/A	N/A	N/A
Roller		57	50.1	N/A	N/A	N/A	N/A
Tractor		61	56.5	N/A	N/A	N/A	N/A
Total		**61**	**63**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 7/16/2019
Case Description: Superior Ave Ped Bridge - Painting/Landscaping

---- Receptor #1 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
MFH to South	Residential	76.2	76.2	68.3

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		165	0
Compressor (air)	No	40		77.7	215	0

Results

Equipment		Calculated (dBA) *Lmax	Leq	Day Lmax	Leq	Noise Limits (dBA) Evening Lmax	Leq
Tractor		73.6	69.7	N/A	N/A	N/A	N/A
Compressor (air)		65.0	61.0	N/A	N/A	N/A	N/A
	Total	**74**	**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
MFH to Northeast	Residential	67	67	56.7

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		220	0
Compressor (air)	No	40		77.7	270	0

Results

Equipment		Calculated (dBA) *Lmax	Leq	Day Lmax	Leq	Noise Limits (dBA) Evening Lmax	Leq
Tractor		71.1	67.2	N/A	N/A	N/A	N/A
Compressor (air)		63.0	59.0	N/A	N/A	N/A	N/A
	Total	**71**	**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: 7/16/2019
Case Description: Superior Ave Ped Bridge - Painting/Landscaping

---- Receptor #3 ----

Description	Land Use	Baselines (dBA) Daytime	Evening	Night
SFH to Southwest	Residential	70	70	66.5

Description	Impact Device	Usage(%)	Equipment Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Tractor	No	40	84		300	0
Compressor (air)	No	40		77.7	300	0

Results

Equipment		Calculated (dBA) *Lmax	Leq	Noise Limits (dBA) Day Lmax	Leq	Evening Lmax	Leq
Tractor		68	64.5	N/A	N/A	N/A	N/A
Compressor (air)		62	58.1	N/A	N/A	N/A	N/A
	Total	**68**	**65**	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.