

Appendix J

Noise

Appendix J.1

Noise Worksheets

Sportsmen's Lodge Mixed-Use Project

Noise Calculations Worksheets

Provided by Acoustical Engineering Services

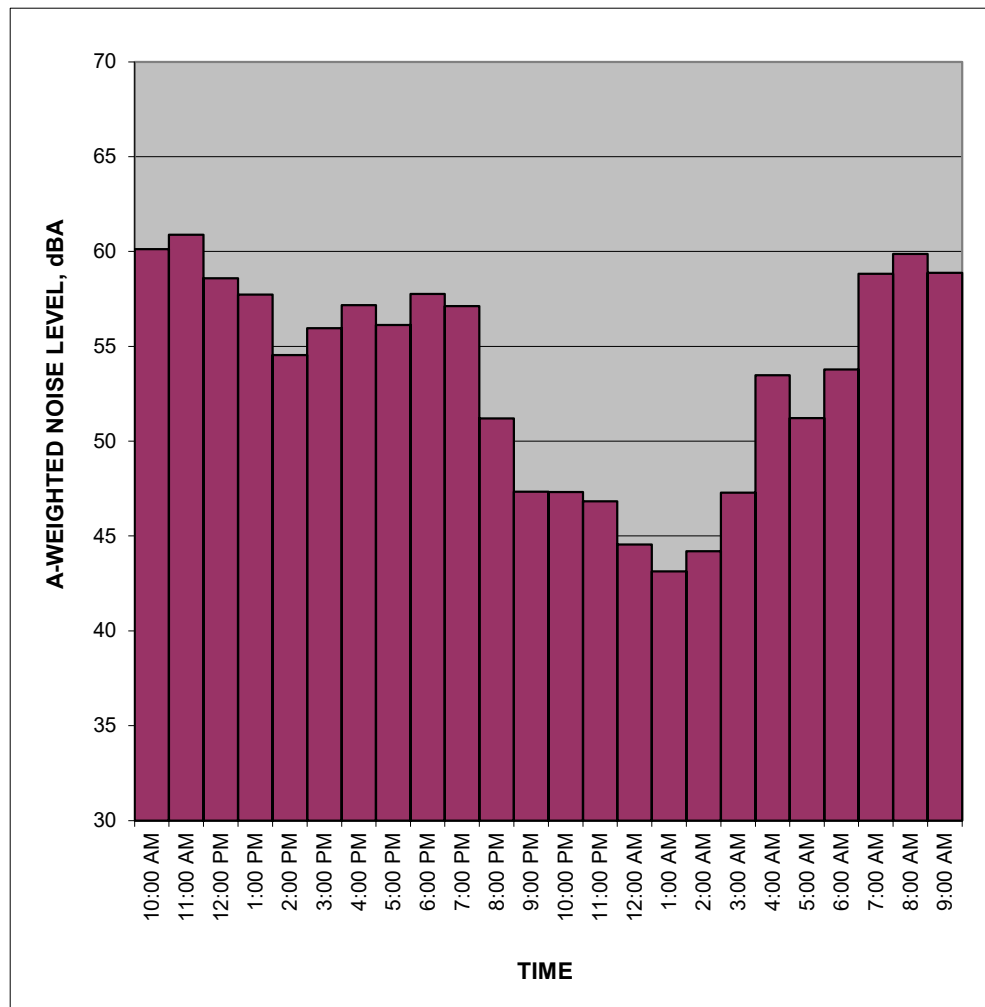
Ambient Noise Measurements

Measured Ambient Noise Levels

Project: Sportsmen's Lodge
 Location: R7
 Sources: Ambient

Date: 6/8 - 6/9/2021

| TIME | HNL, dB(A) |
|---------------------|---------------|
| 10:00 AM | 60.1 |
| 11:00 AM | 60.9 |
| 12:00 PM | 58.6 |
| 1:00 PM | 57.7 |
| 2:00 PM | 54.5 |
| 3:00 PM | 56.0 |
| 4:00 PM | 57.2 |
| 5:00 PM | 56.1 |
| 6:00 PM | 57.8 |
| 7:00 PM | 57.1 |
| 8:00 PM | 51.2 |
| 9:00 PM | 47.3 |
| 10:00 PM | 47.3 |
| 11:00 PM | 46.8 |
| 12:00 AM | 44.6 |
| 1:00 AM | 43.1 |
| 2:00 AM | 44.2 |
| 3:00 AM | 47.3 |
| 4:00 AM | 53.5 |
| 5:00 AM | 51.2 |
| 6:00 AM | 53.8 |
| 7:00 AM | 58.8 |
| 8:00 AM | 59.9 |
| 9:00 AM | 58.9 |
| CNEL, dB(A): | 58.9 |



NOTES:

Daytime average 57.8 dBA Leq
 Nighttime average 49.6 dBA Leq

Location: R1
 Date: 6/8/2021

| Time | Leq | Lmax |
|-------------|------|------|
| 10:34:36 AM | 68.8 | 69.9 |
| 10:34:46 AM | 66.8 | 70.6 |
| 10:34:56 AM | 67.4 | 74.4 |
| 10:35:06 AM | 71.9 | 74.7 |
| 10:35:16 AM | 68.5 | 69.8 |
| 10:35:26 AM | 68.9 | 70.3 |
| 10:35:36 AM | 76.6 | 82.3 |
| 10:35:46 AM | 60.9 | 66.9 |
| 10:35:56 AM | 69.9 | 78.4 |
| 10:36:06 AM | 74.5 | 76.7 |
| 10:36:16 AM | 72.7 | 75.5 |
| 10:36:26 AM | 71 | 73 |
| 10:36:36 AM | 66.5 | 69.1 |
| 10:36:46 AM | 77.5 | 84.3 |
| 10:36:56 AM | 73.8 | 76.8 |
| 10:37:06 AM | 69.4 | 74 |
| 10:37:16 AM | 73.2 | 77.4 |
| 10:37:26 AM | 70.5 | 72.7 |
| 10:37:36 AM | 71.7 | 76.1 |
| 10:37:46 AM | 61.5 | 67.4 |
| 10:37:56 AM | 69.3 | 71.4 |
| 10:38:06 AM | 71.5 | 75.6 |
| 10:38:16 AM | 73.7 | 76.6 |
| 10:38:26 AM | 70.7 | 73.7 |
| 10:38:36 AM | 67 | 69.1 |
| 10:38:46 AM | 66.4 | 71 |
| 10:38:56 AM | 70.1 | 73.2 |
| 10:39:06 AM | 69.2 | 74 |
| 10:39:16 AM | 69.8 | 73.4 |
| 10:39:26 AM | 71.4 | 74.4 |
| 10:39:36 AM | 66.8 | 73.6 |
| 10:39:46 AM | 72.3 | 76 |
| 10:39:56 AM | 74.6 | 76.5 |
| 10:40:06 AM | 72.6 | 75.8 |
| 10:40:16 AM | 66.2 | 71 |
| 10:40:26 AM | 66.7 | 67.9 |
| 10:40:36 AM | 63.5 | 64.5 |
| 10:40:46 AM | 60.1 | 62.5 |
| 10:40:56 AM | 70.8 | 76.4 |
| 10:41:06 AM | 71.9 | 76.1 |
| 10:41:16 AM | 68.7 | 72.1 |

| | | |
|-------------|------|------|
| 10:41:26 AM | 70.4 | 76.5 |
| 10:41:36 AM | 76.8 | 79.8 |
| 10:41:46 AM | 73.9 | 77.7 |
| 10:41:56 AM | 77.1 | 81.7 |
| 10:42:06 AM | 69.8 | 72.6 |
| 10:42:16 AM | 65.6 | 68.1 |
| 10:42:26 AM | 65.4 | 67.5 |
| 10:42:36 AM | 69.2 | 72 |
| 10:42:46 AM | 63 | 66.9 |
| 10:42:56 AM | 65.8 | 72.6 |
| 10:43:06 AM | 69.9 | 73.5 |
| 10:43:16 AM | 74.2 | 77.1 |
| 10:43:26 AM | 70.6 | 73.2 |
| 10:43:36 AM | 71.4 | 75.4 |
| 10:43:46 AM | 74.6 | 77.3 |
| 10:43:56 AM | 70.6 | 76 |
| 10:44:06 AM | 69.6 | 75.2 |
| 10:44:16 AM | 74.7 | 77.8 |
| 10:44:26 AM | 71.8 | 74.4 |
| 10:44:36 AM | 71.2 | 73.6 |
| 10:44:46 AM | 65.9 | 70.9 |
| 10:44:56 AM | 69.5 | 74.5 |
| 10:45:06 AM | 71.1 | 75 |
| 10:45:16 AM | 66 | 71.2 |
| 10:45:26 AM | 72.3 | 75.6 |
| 10:45:36 AM | 64 | 66 |
| 10:45:46 AM | 61.7 | 63.5 |
| 10:45:56 AM | 72.6 | 76.5 |
| 10:46:06 AM | 75.4 | 77 |
| 10:46:16 AM | 74.7 | 77 |
| 10:46:26 AM | 74.1 | 77.5 |
| 10:46:36 AM | 64.9 | 66.7 |
| 10:46:46 AM | 64.2 | 67.1 |
| 10:46:56 AM | 62.5 | 65.9 |
| 10:47:06 AM | 61.6 | 64.7 |
| 10:47:16 AM | 71.8 | 76.7 |
| 10:47:26 AM | 66 | 69.7 |
| 10:47:36 AM | 65.7 | 73.7 |
| 10:47:46 AM | 68.1 | 73.6 |
| 10:47:56 AM | 63.7 | 69.5 |
| 10:48:06 AM | 60.4 | 62.9 |
| 10:48:16 AM | 70.5 | 75.6 |
| 10:48:26 AM | 74.4 | 77.7 |
| 10:48:36 AM | 73.5 | 77.7 |
| 10:48:46 AM | 65.3 | 70 |

| | | |
|-------------|------|------|
| 10:48:56 AM | 69.7 | 76.2 |
| 10:49:06 AM | 59 | 63 |
| 10:49:16 AM | 66 | 70.3 |
| 10:49:26 AM | 71 | 73.5 |

71.1

| Time | Leq | Lmax |
|-------------|------|------|
| 9:59:49 PM | 51.8 | 57.6 |
| 9:59:59 PM | 66.3 | 68.9 |
| 10:00:09 PM | 65.8 | 68.4 |
| 10:00:19 PM | 64.4 | 68.4 |
| 10:00:29 PM | 63.8 | 67.9 |
| 10:00:39 PM | 54.3 | 57.5 |
| 10:00:49 PM | 65 | 71 |
| 10:00:59 PM | 70.4 | 75.7 |
| 10:01:09 PM | 62.9 | 65.1 |
| 10:01:19 PM | 71.9 | 75.7 |
| 10:01:29 PM | 72.1 | 76.2 |
| 10:01:39 PM | 54.2 | 59.5 |
| 10:01:49 PM | 52.5 | 57.2 |
| 10:01:59 PM | 59.2 | 66.1 |
| 10:02:09 PM | 73.5 | 77.1 |
| 10:02:19 PM | 67.9 | 73.9 |
| 10:02:29 PM | 70.2 | 76.4 |
| 10:02:39 PM | 57.4 | 59.5 |
| 10:02:49 PM | 67 | 74.1 |
| 10:02:59 PM | 72.4 | 75.1 |
| 10:03:09 PM | 72.6 | 75.7 |
| 10:03:19 PM | 64.8 | 69 |
| 10:03:29 PM | 61.9 | 64.9 |
| 10:03:39 PM | 69 | 72.6 |
| 10:03:49 PM | 66.8 | 70.4 |
| 10:03:59 PM | 65.8 | 72.5 |
| 10:04:09 PM | 69.8 | 73.7 |
| 10:04:19 PM | 74.4 | 78.1 |
| 10:04:29 PM | 68.4 | 75.7 |
| 10:04:39 PM | 61.5 | 65.2 |
| 10:04:49 PM | 71.8 | 79 |
| 10:04:59 PM | 77.1 | 81.7 |
| 10:05:09 PM | 63.6 | 68.7 |
| 10:05:19 PM | 52.6 | 55.8 |
| 10:05:29 PM | 52.6 | 54.7 |
| 10:05:39 PM | 62.3 | 70 |
| 10:05:49 PM | 70.9 | 76.1 |
| 10:05:59 PM | 66.9 | 71.5 |

| | | |
|-------------|------|------|
| 10:06:09 PM | 69.1 | 71.9 |
| 10:06:19 PM | 71.1 | 75.5 |
| 10:06:29 PM | 70.8 | 73.7 |
| 10:06:39 PM | 72.7 | 76.8 |
| 10:06:49 PM | 71.7 | 74.4 |
| 10:06:59 PM | 68 | 71.1 |
| 10:07:09 PM | 69.7 | 74.6 |
| 10:07:19 PM | 63.4 | 65.8 |
| 10:07:29 PM | 63.8 | 69.2 |
| 10:07:39 PM | 68.3 | 71.4 |
| 10:07:49 PM | 56.5 | 61.9 |
| 10:07:59 PM | 74 | 80.9 |
| 10:08:09 PM | 67.3 | 75.4 |
| 10:08:19 PM | 67.6 | 74.3 |
| 10:08:29 PM | 73.7 | 76.2 |
| 10:08:39 PM | 72 | 75.7 |
| 10:08:49 PM | 70.8 | 77.2 |
| 10:08:59 PM | 65.9 | 70.8 |
| 10:09:09 PM | 65.7 | 68.4 |
| 10:09:19 PM | 68.6 | 76.9 |
| 10:09:29 PM | 72.4 | 77 |
| 10:09:39 PM | 75.1 | 80.1 |
| 10:09:49 PM | 67.8 | 73.1 |
| 10:09:59 PM | 61.5 | 66.7 |
| 10:10:09 PM | 72.9 | 77 |
| 10:10:19 PM | 68.3 | 72.6 |
| 10:10:29 PM | 73.9 | 79 |
| 10:10:39 PM | 62.6 | 70.9 |
| 10:10:49 PM | 66.7 | 73.2 |
| 10:10:59 PM | 72.5 | 75.1 |
| 10:11:09 PM | 69.2 | 75.5 |
| 10:11:19 PM | 73.2 | 75.1 |
| 10:11:29 PM | 70 | 74.2 |
| 10:11:39 PM | 64.2 | 67.5 |
| 10:11:49 PM | 61.4 | 68.6 |
| 10:11:59 PM | 68.9 | 74.2 |
| 10:12:09 PM | 69 | 70.8 |
| 10:12:19 PM | 71.1 | 74.4 |
| 10:12:29 PM | 70.4 | 73.2 |
| 10:12:39 PM | 68.7 | 73.9 |
| 10:12:49 PM | 66.8 | 72.2 |
| 10:12:59 PM | 69 | 72.4 |
| 10:13:09 PM | 69.9 | 72.9 |
| 10:13:19 PM | 65 | 70.8 |
| 10:13:29 PM | 69.6 | 73.4 |

| | | |
|-------------|-------------|------|
| 10:13:39 PM | 66.4 | 73.1 |
| 10:13:49 PM | 58.6 | 66.6 |
| 10:13:59 PM | 74.1 | 78.1 |
| 10:14:09 PM | 74 | 75.6 |
| 10:14:19 PM | 70.8 | 75.2 |
| 10:14:29 PM | 69.7 | 74.8 |
| 10:14:39 PM | 55.3 | 58.6 |
| | 69.6 | |

Location: R2
 Date: 6/8/2021

| Time | Leq | Lmax |
|-------------|------|------|
| 10:54:07 AM | 60.6 | 63.8 |
| 10:54:17 AM | 67.4 | 72.5 |
| 10:54:27 AM | 62.9 | 66.6 |
| 10:54:37 AM | 60.9 | 66.3 |
| 10:54:47 AM | 60.4 | 64.6 |
| 10:54:57 AM | 62.7 | 66.7 |
| 10:55:07 AM | 64.3 | 66.1 |
| 10:55:17 AM | 59.4 | 64.1 |
| 10:55:27 AM | 60.2 | 63.8 |
| 10:55:37 AM | 58.6 | 60.8 |
| 10:55:47 AM | 62.6 | 65.9 |
| 10:55:57 AM | 61.8 | 68.7 |
| 10:56:07 AM | 67.1 | 69.1 |
| 10:56:17 AM | 64.1 | 69.3 |
| 10:56:27 AM | 68.3 | 73.2 |
| 10:56:37 AM | 61 | 65 |
| 10:56:47 AM | 61.4 | 64.6 |
| 10:56:57 AM | 59.3 | 61.2 |
| 10:57:07 AM | 61.5 | 64.1 |
| 10:57:17 AM | 65.3 | 69.4 |
| 10:57:27 AM | 64.6 | 66.8 |
| 10:57:37 AM | 62 | 66.9 |
| 10:57:47 AM | 59.8 | 63.5 |
| 10:57:57 AM | 63.9 | 65.6 |
| 10:58:07 AM | 65.2 | 70.1 |
| 10:58:17 AM | 61.6 | 65.2 |
| 10:58:27 AM | 59.6 | 64.6 |
| 10:58:37 AM | 59.8 | 62.3 |
| 10:58:47 AM | 58.4 | 61.5 |
| 10:58:57 AM | 58 | 60.4 |
| 10:59:07 AM | 57.6 | 60.1 |
| 10:59:17 AM | 61.5 | 66.1 |
| 10:59:27 AM | 61.5 | 63.9 |
| 10:59:37 AM | 58.8 | 62.7 |
| 10:59:47 AM | 58.2 | 62.9 |
| 10:59:57 AM | 64 | 66.8 |
| 11:00:07 AM | 62.7 | 64.1 |
| 11:00:17 AM | 62 | 65.2 |
| 11:00:27 AM | 54.8 | 57.9 |
| 11:00:37 AM | 56.6 | 60.2 |
| 11:00:47 AM | 61.3 | 65.2 |

| | | |
|-------------|------|------|
| 11:00:57 AM | 61.5 | 64.7 |
| 11:01:07 AM | 57.3 | 61.8 |
| 11:01:17 AM | 58.9 | 60.9 |
| 11:01:27 AM | 60.3 | 62.2 |
| 11:01:37 AM | 56.9 | 61.1 |
| 11:01:47 AM | 59.6 | 62.4 |
| 11:01:57 AM | 65 | 68.9 |
| 11:02:07 AM | 65.9 | 68 |
| 11:02:17 AM | 65.5 | 67.2 |
| 11:02:27 AM | 64.5 | 67.8 |
| 11:02:37 AM | 57.9 | 60.3 |
| 11:02:47 AM | 57.2 | 59.1 |
| 11:02:57 AM | 59.8 | 63.6 |
| 11:03:07 AM | 60.1 | 62.3 |
| 11:03:17 AM | 58.1 | 60 |
| 11:03:27 AM | 60 | 65 |
| 11:03:37 AM | 60.8 | 65 |
| 11:03:47 AM | 58.9 | 62.4 |
| 11:03:57 AM | 65.8 | 68.9 |
| 11:04:07 AM | 59.8 | 67.4 |
| 11:04:17 AM | 61.6 | 63.8 |
| 11:04:27 AM | 63.6 | 65.9 |
| 11:04:37 AM | 60.3 | 63 |
| 11:04:47 AM | 60.5 | 62.7 |
| 11:04:57 AM | 60.8 | 65.4 |
| 11:05:07 AM | 62.8 | 67.2 |
| 11:05:17 AM | 60.5 | 62.7 |
| 11:05:27 AM | 59.8 | 64.4 |
| 11:05:37 AM | 64 | 66.2 |
| 11:05:47 AM | 62.9 | 68 |
| 11:05:57 AM | 58.3 | 61.8 |
| 11:06:07 AM | 65.2 | 68.2 |
| 11:06:17 AM | 65.8 | 71.1 |
| 11:06:27 AM | 63.8 | 67.2 |
| 11:06:37 AM | 61.6 | 66.3 |
| 11:06:47 AM | 57.8 | 59.8 |
| 11:06:57 AM | 59.9 | 64 |
| 11:07:07 AM | 61.5 | 68.2 |
| 11:07:17 AM | 66.2 | 68.6 |
| 11:07:27 AM | 64.4 | 68 |
| 11:07:37 AM | 62.1 | 67.8 |
| 11:07:47 AM | 66.2 | 68.8 |
| 11:07:57 AM | 65.6 | 69.5 |
| 11:08:07 AM | 65.3 | 67.9 |
| 11:08:17 AM | 63.8 | 67 |

| | | |
|-------------|------|------|
| 11:08:27 AM | 67.9 | 70.7 |
| 11:08:37 AM | 70.4 | 73.6 |
| 11:08:47 AM | 63.8 | 67.1 |
| 11:08:57 AM | 62.3 | 64.9 |

62.9

| Time | Leq | Lmax |
|-------------|------|------|
| 10:37:07 PM | 63 | 70.4 |
| 10:37:17 PM | 62.4 | 66.6 |
| 10:37:27 PM | 62.9 | 65.5 |
| 10:37:37 PM | 60.9 | 66.7 |
| 10:37:47 PM | 60.6 | 64.5 |
| 10:37:57 PM | 60.5 | 65.1 |
| 10:38:07 PM | 64.7 | 67.6 |
| 10:38:17 PM | 64.3 | 69.5 |
| 10:38:27 PM | 60.6 | 68.2 |
| 10:38:37 PM | 49.4 | 57.8 |
| 10:38:47 PM | 42.5 | 43.5 |
| 10:38:57 PM | 54 | 63.1 |
| 10:39:07 PM | 62 | 65.8 |
| 10:39:17 PM | 60.2 | 66 |
| 10:39:27 PM | 56.9 | 63 |
| 10:39:37 PM | 60.1 | 64 |
| 10:39:47 PM | 56.8 | 61.8 |
| 10:39:57 PM | 47.4 | 50.7 |
| 10:40:07 PM | 62.7 | 69.3 |
| 10:40:17 PM | 66.7 | 70.4 |
| 10:40:27 PM | 65.7 | 69.3 |
| 10:40:37 PM | 61.5 | 65.8 |
| 10:40:47 PM | 58.5 | 62.2 |
| 10:40:57 PM | 59 | 63.9 |
| 10:41:07 PM | 57.4 | 63.1 |
| 10:41:17 PM | 58.3 | 66.5 |
| 10:41:27 PM | 59.1 | 66.4 |
| 10:41:37 PM | 44.3 | 45.9 |
| 10:41:47 PM | 45 | 48.9 |
| 10:41:57 PM | 55.8 | 65.4 |
| 10:42:07 PM | 68.5 | 73.2 |
| 10:42:17 PM | 64.8 | 73.5 |
| 10:42:27 PM | 65.1 | 73.1 |
| 10:42:37 PM | 58.2 | 63.1 |
| 10:42:47 PM | 51 | 54.3 |
| 10:42:57 PM | 49.5 | 52.2 |
| 10:43:07 PM | 63.7 | 67.4 |
| 10:43:17 PM | 58.7 | 62.7 |

| | | |
|-------------|------|------|
| 10:43:27 PM | 60.5 | 66.9 |
| 10:43:37 PM | 46.7 | 51.9 |
| 10:43:47 PM | 55.8 | 62.1 |
| 10:43:57 PM | 53.7 | 59.7 |
| 10:44:07 PM | 53.1 | 57 |
| 10:44:17 PM | 55.4 | 62.7 |
| 10:44:27 PM | 61.4 | 65.9 |
| 10:44:37 PM | 60.8 | 65.7 |
| 10:44:47 PM | 47 | 52.5 |
| 10:44:57 PM | 45.4 | 46.9 |
| 10:45:07 PM | 44.9 | 46.5 |
| 10:45:17 PM | 66.9 | 73.5 |
| 10:45:27 PM | 59.6 | 64.4 |
| 10:45:37 PM | 60 | 63.9 |
| 10:45:47 PM | 55.5 | 60.8 |
| 10:45:57 PM | 52.4 | 60 |
| 10:46:07 PM | 57.9 | 62.6 |
| 10:46:17 PM | 51.8 | 55.6 |
| 10:46:27 PM | 64 | 69.8 |
| 10:46:37 PM | 60.2 | 66.4 |
| 10:46:47 PM | 60.1 | 66 |
| 10:46:57 PM | 63.9 | 67.9 |
| 10:47:07 PM | 67.2 | 72.4 |
| 10:47:17 PM | 60.7 | 64.9 |
| 10:47:27 PM | 61.3 | 65.7 |
| 10:47:37 PM | 54 | 61.2 |
| 10:47:47 PM | 60 | 65.7 |
| 10:47:57 PM | 60.7 | 64.9 |
| 10:48:07 PM | 65.7 | 71.8 |
| 10:48:17 PM | 63.4 | 66.8 |
| 10:48:27 PM | 47.9 | 53.9 |
| 10:48:37 PM | 63.2 | 68.9 |
| 10:48:47 PM | 61.9 | 64.9 |
| 10:48:57 PM | 59 | 64.8 |
| 10:49:07 PM | 64.8 | 69.7 |
| 10:49:17 PM | 61.3 | 68.5 |
| 10:49:27 PM | 49.8 | 55.5 |
| 10:49:37 PM | 58 | 64.5 |
| 10:49:47 PM | 58.6 | 63.4 |
| 10:49:57 PM | 61.2 | 65.9 |
| 10:50:07 PM | 46.3 | 50.7 |
| 10:50:17 PM | 42.7 | 43.4 |
| 10:50:27 PM | 57.9 | 64 |
| 10:50:37 PM | 58.1 | 63.7 |
| 10:50:47 PM | 58.7 | 63.5 |

| | | |
|-------------|------|------|
| 10:50:57 PM | 56.7 | 69.7 |
| 10:51:07 PM | 63.5 | 69.9 |
| 10:51:17 PM | 61.2 | 67.4 |
| 10:51:27 PM | 50.5 | 56 |
| 10:51:37 PM | 63.7 | 68.4 |
| 10:51:47 PM | 63 | 68.2 |
| 10:51:57 PM | 51.1 | 59.7 |

61.0

Project: Sportsmen's Lodge
 Location: R3
 Date: 6/8/2021

| Time | Leq | Lmax |
|-------------|------|------|
| 11:23:31 AM | 69.4 | 72.4 |
| 11:23:41 AM | 71.6 | 75.4 |
| 11:23:51 AM | 67.8 | 72.7 |
| 11:24:01 AM | 66.7 | 71.8 |
| 11:24:11 AM | 57.8 | 62.7 |
| 11:24:21 AM | 60.8 | 65.3 |
| 11:24:31 AM | 66.9 | 70.6 |
| 11:24:41 AM | 70.4 | 74.3 |
| 11:24:51 AM | 79.6 | 84.7 |
| 11:25:01 AM | 67.6 | 72 |
| 11:25:11 AM | 71 | 73.1 |
| 11:25:21 AM | 68.8 | 70.9 |
| 11:25:31 AM | 71.5 | 72.3 |
| 11:25:41 AM | 67.8 | 69.4 |
| 11:25:51 AM | 62.9 | 66.6 |
| 11:26:01 AM | 60 | 63.8 |
| 11:26:11 AM | 63.1 | 66.4 |
| 11:26:21 AM | 63.3 | 65.4 |
| 11:26:31 AM | 65.9 | 69.7 |
| 11:26:41 AM | 69 | 72.9 |
| 11:26:51 AM | 70.7 | 73.1 |
| 11:27:01 AM | 66.3 | 71.4 |
| 11:27:11 AM | 63.1 | 64.1 |
| 11:27:21 AM | 65.7 | 68.3 |
| 11:27:31 AM | 72.5 | 74.2 |
| 11:27:41 AM | 68 | 69.9 |
| 11:27:51 AM | 68.8 | 71.5 |
| 11:28:01 AM | 68.5 | 69.8 |
| 11:28:11 AM | 65.7 | 69.1 |
| 11:28:21 AM | 59.1 | 61.1 |
| 11:28:31 AM | 66.5 | 70.1 |
| 11:28:41 AM | 60.2 | 64 |
| 11:28:51 AM | 55.2 | 56.4 |
| 11:29:01 AM | 55.4 | 59.2 |
| 11:29:11 AM | 71.1 | 74.3 |
| 11:29:21 AM | 71.9 | 74.6 |
| 11:29:31 AM | 72.3 | 74.8 |
| 11:29:41 AM | 77.7 | 85.8 |
| 11:29:51 AM | 73.6 | 81.4 |
| 11:30:01 AM | 65.2 | 66.8 |

| | | |
|-------------|------|------|
| 11:30:11 AM | 68.8 | 72.2 |
| 11:30:21 AM | 63 | 65.9 |
| 11:30:31 AM | 69.3 | 75.5 |
| 11:30:41 AM | 65.9 | 71.6 |
| 11:30:51 AM | 69.8 | 73.4 |
| 11:31:01 AM | 59 | 62.1 |
| 11:31:11 AM | 59.5 | 65.1 |
| 11:31:21 AM | 66.8 | 68.9 |
| 11:31:31 AM | 68.3 | 70.4 |
| 11:31:41 AM | 72 | 73.7 |
| 11:31:51 AM | 72 | 73.8 |
| 11:32:01 AM | 68.1 | 70.9 |
| 11:32:11 AM | 69.7 | 74.8 |
| 11:32:21 AM | 64.5 | 69.1 |
| 11:32:31 AM | 68.3 | 77 |
| 11:32:41 AM | 70.6 | 77.3 |
| 11:32:51 AM | 64.9 | 69.6 |
| 11:33:01 AM | 71.5 | 74.4 |
| 11:33:11 AM | 68.6 | 72.2 |
| 11:33:21 AM | 59.8 | 61.1 |
| 11:33:31 AM | 61 | 63.9 |
| 11:33:41 AM | 72 | 74.3 |
| 11:33:51 AM | 73.9 | 77.6 |
| 11:34:01 AM | 71.3 | 72.4 |
| 11:34:11 AM | 70 | 72.3 |
| 11:34:21 AM | 70.5 | 73 |
| 11:34:31 AM | 64.4 | 65.5 |
| 11:34:41 AM | 59.7 | 63.9 |
| 11:34:51 AM | 60.5 | 62.6 |
| 11:35:01 AM | 63.3 | 71.5 |
| 11:35:11 AM | 69 | 73.6 |
| 11:35:21 AM | 65.9 | 67.7 |
| 11:35:31 AM | 67.2 | 70.4 |
| 11:35:41 AM | 67 | 70.2 |
| 11:35:51 AM | 65.4 | 67.8 |
| 11:36:01 AM | 69.1 | 71.6 |
| 11:36:11 AM | 72 | 75.3 |
| 11:36:21 AM | 71.9 | 75.9 |
| 11:36:31 AM | 60.1 | 63.5 |
| 11:36:41 AM | 58.8 | 64.2 |
| 11:36:51 AM | 78.8 | 85.5 |
| 11:37:01 AM | 69.1 | 71.9 |
| 11:37:11 AM | 67.2 | 69.6 |
| 11:37:21 AM | 70.7 | 72.7 |
| 11:37:31 AM | 67.8 | 71.1 |

| | | |
|-------------|------|------|
| 11:37:41 AM | 62.2 | 63.3 |
| 11:37:51 AM | 62.6 | 68.6 |
| 11:38:01 AM | 71.7 | 79.6 |
| 11:38:11 AM | 71.7 | 78.7 |
| 11:38:21 AM | 71.4 | 74.3 |

69.8

| Time | Leq | Lmax |
|-------------|------|------|
| 10:57:26 PM | 60.5 | 64.9 |
| 10:57:36 PM | 54.5 | 60 |
| 10:57:46 PM | 61.5 | 65.1 |
| 10:57:56 PM | 49.7 | 53.7 |
| 10:58:06 PM | 60.9 | 67.7 |
| 10:58:16 PM | 69.4 | 71.6 |
| 10:58:26 PM | 69.2 | 72.8 |
| 10:58:36 PM | 65.4 | 70.7 |
| 10:58:46 PM | 65.2 | 69 |
| 10:58:56 PM | 66.1 | 71.5 |
| 10:59:06 PM | 62.1 | 70 |
| 10:59:16 PM | 53 | 54.8 |
| 10:59:26 PM | 59 | 64.6 |
| 10:59:36 PM | 60.1 | 65.2 |
| 10:59:46 PM | 59.9 | 62.6 |
| 10:59:56 PM | 59.2 | 64.8 |
| 11:00:06 PM | 70 | 77.3 |
| 11:00:16 PM | 62.1 | 65 |
| 11:00:26 PM | 66.7 | 70.2 |
| 11:00:36 PM | 59.5 | 64.7 |
| 11:00:46 PM | 63.7 | 67.8 |
| 11:00:56 PM | 74.9 | 79.8 |
| 11:01:06 PM | 72.4 | 75.3 |
| 11:01:16 PM | 67.2 | 70.8 |
| 11:01:26 PM | 58.4 | 60.4 |
| 11:01:36 PM | 70.2 | 74.4 |
| 11:01:46 PM | 67.9 | 73 |
| 11:01:56 PM | 66 | 70.2 |
| 11:02:06 PM | 53.4 | 59.3 |
| 11:02:16 PM | 68.3 | 72.8 |
| 11:02:26 PM | 53.1 | 60.1 |
| 11:02:36 PM | 51.9 | 55.8 |
| 11:02:46 PM | 63.9 | 69.8 |
| 11:02:56 PM | 66.5 | 68.3 |
| 11:03:06 PM | 70.8 | 73.7 |
| 11:03:16 PM | 68.3 | 70.9 |
| 11:03:26 PM | 65.1 | 67.7 |

| | | |
|-------------|------|------|
| 11:03:36 PM | 68 | 71 |
| 11:03:46 PM | 62.9 | 66.5 |
| 11:03:56 PM | 60.5 | 64.4 |
| 11:04:06 PM | 63.8 | 69.4 |
| 11:04:16 PM | 64.2 | 69.7 |
| 11:04:26 PM | 51.5 | 52.5 |
| 11:04:36 PM | 51.3 | 56 |
| 11:04:46 PM | 72.2 | 76 |
| 11:04:56 PM | 60.5 | 68.8 |
| 11:05:06 PM | 57.1 | 66.7 |
| 11:05:16 PM | 68.6 | 72.8 |
| 11:05:26 PM | 65.4 | 68.8 |
| 11:05:36 PM | 66 | 71.4 |
| 11:05:46 PM | 65.1 | 71.4 |
| 11:05:56 PM | 67.8 | 72 |
| 11:06:06 PM | 60.9 | 64.5 |
| 11:06:16 PM | 61.1 | 64.7 |
| 11:06:26 PM | 57.3 | 61.5 |
| 11:06:36 PM | 62.6 | 63.5 |
| 11:06:46 PM | 67.5 | 73.6 |
| 11:06:56 PM | 69.1 | 73.7 |
| 11:07:06 PM | 61.2 | 64.9 |
| 11:07:16 PM | 59.8 | 65 |
| 11:07:26 PM | 66.6 | 69.8 |
| 11:07:36 PM | 64.2 | 68 |
| 11:07:46 PM | 64.6 | 66.6 |
| 11:07:56 PM | 65.7 | 70.1 |
| 11:08:06 PM | 57.9 | 63.9 |
| 11:08:16 PM | 61.4 | 64.7 |
| 11:08:26 PM | 66.6 | 71.1 |
| 11:08:36 PM | 69.7 | 75.5 |
| 11:08:46 PM | 75.5 | 78.7 |
| 11:08:56 PM | 71.2 | 75.1 |
| 11:09:06 PM | 61.2 | 65.8 |
| 11:09:16 PM | 63.1 | 67.8 |
| 11:09:26 PM | 54.3 | 58.7 |
| 11:09:36 PM | 60.9 | 63.4 |
| 11:09:46 PM | 59.5 | 63.4 |
| 11:09:56 PM | 64.4 | 68 |
| 11:10:06 PM | 59.9 | 65.2 |
| 11:10:16 PM | 66.1 | 69.5 |
| 11:10:26 PM | 63.7 | 72.3 |
| 11:10:36 PM | 65.9 | 72.1 |
| 11:10:46 PM | 64.6 | 66.2 |
| 11:10:56 PM | 65.7 | 70.2 |

| | | |
|-------------|------|------|
| 11:11:06 PM | 66.5 | 71 |
| 11:11:16 PM | 62.7 | 68.2 |
| 11:11:26 PM | 64.5 | 71.8 |
| 11:11:36 PM | 69.4 | 71.2 |
| 11:11:46 PM | 64.5 | 69.5 |
| 11:11:56 PM | 68.9 | 70.4 |
| 11:12:06 PM | 68 | 73.2 |
| 11:12:16 PM | 71.5 | 74.8 |

66.5

Project: Sportsmen's Lodge
 Location: R4
 Date: 6/8/2021

| Time | Leq | Lmax |
|-------------|------|------|
| 11:46:42 AM | 71 | 73.9 |
| 11:46:52 AM | 65.6 | 69.5 |
| 11:47:02 AM | 65.5 | 73.4 |
| 11:47:12 AM | 68.5 | 73.5 |
| 11:47:22 AM | 61.7 | 67.9 |
| 11:47:32 AM | 70 | 71.5 |
| 11:47:42 AM | 70 | 71.1 |
| 11:47:52 AM | 71.4 | 72.3 |
| 11:48:02 AM | 75 | 79.2 |
| 11:48:12 AM | 74.9 | 81.4 |
| 11:48:22 AM | 78.2 | 82.6 |
| 11:48:32 AM | 68.6 | 77.1 |
| 11:48:42 AM | 66.1 | 69.4 |
| 11:48:52 AM | 71.6 | 74.3 |
| 11:49:02 AM | 75.5 | 78.8 |
| 11:49:12 AM | 71.4 | 76.4 |
| 11:49:22 AM | 64.8 | 70.7 |
| 11:49:32 AM | 72.3 | 76 |
| 11:49:42 AM | 71.7 | 73.8 |
| 11:49:52 AM | 70.2 | 73.6 |
| 11:50:02 AM | 76.4 | 81.9 |
| 11:50:12 AM | 73.2 | 79.3 |
| 11:50:22 AM | 66.8 | 70.3 |
| 11:50:32 AM | 64.7 | 66.9 |
| 11:50:42 AM | 68 | 72.4 |
| 11:50:52 AM | 65.4 | 68.3 |
| 11:51:02 AM | 61.8 | 63.6 |
| 11:51:12 AM | 64.9 | 68.2 |
| 11:51:22 AM | 64.7 | 67.6 |
| 11:51:32 AM | 70.7 | 74.3 |
| 11:51:42 AM | 73.1 | 76.1 |
| 11:51:52 AM | 82.7 | 91.3 |
| 11:52:02 AM | | |
| 11:52:12 AM | 70.4 | 77.9 |
| 11:52:22 AM | 61.7 | 67.1 |
| 11:52:32 AM | 67.5 | 72.3 |
| 11:52:42 AM | 64.7 | 68.6 |
| 11:52:52 AM | 64.6 | 67.1 |
| 11:53:02 AM | 59.3 | 62.1 |
| 11:53:12 AM | 64.9 | 70.1 |

| | | |
|-------------|------|------|
| 11:53:22 AM | 64.7 | 69.6 |
| 11:53:32 AM | 55.5 | 56.4 |
| 11:53:42 AM | 68.4 | 71.7 |
| 11:53:52 AM | 73.5 | 75.9 |
| 11:54:02 AM | 67 | 71.1 |
| 11:54:12 AM | 71.1 | 73.3 |
| 11:54:22 AM | 67.1 | 71.1 |
| 11:54:32 AM | 65.1 | 67.2 |
| 11:54:42 AM | 66.8 | 69.4 |
| 11:54:52 AM | 66.5 | 71.7 |
| 11:55:02 AM | 62 | 64.6 |
| 11:55:12 AM | 65.7 | 72.1 |
| 11:55:22 AM | 70.3 | 72.8 |
| 11:55:32 AM | 62.8 | 67.8 |
| 11:55:42 AM | 64.2 | 68.6 |
| 11:55:52 AM | 60.2 | 62.8 |
| 11:56:02 AM | 69.3 | 71.6 |
| 11:56:12 AM | 71.1 | 73.4 |
| 11:56:22 AM | 67.9 | 70.4 |
| 11:56:32 AM | 68.1 | 70.4 |
| 11:56:42 AM | 66 | 71 |
| 11:56:52 AM | 59.5 | 63.6 |
| 11:57:02 AM | 60.9 | 68.2 |
| 11:57:12 AM | 68.6 | 70.9 |
| 11:57:22 AM | 66 | 71.9 |
| 11:57:32 AM | 67.9 | 72.6 |
| 11:57:42 AM | 65.7 | 68.3 |
| 11:57:52 AM | 69.3 | 72.4 |
| 11:58:02 AM | 61.8 | 63.4 |
| 11:58:12 AM | 69.3 | 72.4 |
| 11:58:22 AM | 69.2 | 71 |
| 11:58:32 AM | 71.3 | 73.3 |
| 11:58:42 AM | 72.3 | 74.6 |
| 11:58:52 AM | 69.7 | 75.5 |
| 11:59:02 AM | 66.4 | 69.8 |
| 11:59:12 AM | 68.6 | 71.8 |
| 11:59:22 AM | 63.6 | 66.6 |
| 11:59:32 AM | 59.2 | 64.6 |
| 11:59:42 AM | 60 | 61.6 |
| 11:59:52 AM | 57.6 | 59.1 |
| 12:00:02 PM | 56.3 | 57.6 |
| 12:00:12 PM | 57.8 | 60.9 |
| 12:00:22 PM | 69.8 | 75.2 |
| 12:00:32 PM | 64 | 71 |
| 12:00:42 PM | 68.7 | 71.5 |

| | | |
|-------------|------|------|
| 12:00:52 PM | 71.4 | 73.7 |
| 12:01:02 PM | 70.5 | 72.1 |
| 12:01:12 PM | 71 | 72.8 |
| 12:01:22 PM | 67 | 72.2 |
| 12:01:32 PM | 60.1 | 61.6 |

70.3

| Time | Leq | Lmax |
|-------------|------|------|
| 11:15:55 PM | 49.9 | 54.8 |
| 11:16:05 PM | 51.4 | 55.2 |
| 11:16:15 PM | 51 | 53.3 |
| 11:16:25 PM | 58.7 | 64.3 |
| 11:16:35 PM | 62.2 | 65.8 |
| 11:16:45 PM | 63.1 | 67 |
| 11:16:55 PM | 60 | 66.7 |
| 11:17:05 PM | 53.4 | 56 |
| 11:17:15 PM | 52.3 | 55 |
| 11:17:25 PM | 62.4 | 67.3 |
| 11:17:35 PM | 57.9 | 62.7 |
| 11:17:45 PM | 62.5 | 65.4 |
| 11:17:55 PM | 56.8 | 59 |
| 11:18:05 PM | 53.8 | 55.8 |
| 11:18:15 PM | 53.3 | 54 |
| 11:18:25 PM | 55 | 55.7 |
| 11:18:35 PM | 58.4 | 65 |
| 11:18:45 PM | 59 | 62.4 |
| 11:18:55 PM | 58.7 | 65.2 |
| 11:19:05 PM | 67.1 | 71.3 |
| 11:19:15 PM | 53.4 | 55 |
| 11:19:25 PM | 62.7 | 67.9 |
| 11:19:35 PM | 66.4 | 69.9 |
| 11:19:45 PM | 63.4 | 65.3 |
| 11:19:55 PM | 58.2 | 61.4 |
| 11:20:05 PM | 55.7 | 61 |
| 11:20:15 PM | 57.7 | 60.2 |
| 11:20:25 PM | 53.6 | 55.2 |
| 11:20:35 PM | 54.5 | 60.3 |
| 11:20:45 PM | 64.8 | 67.4 |
| 11:20:55 PM | 64.2 | 67.5 |
| 11:21:05 PM | 62 | 65.1 |
| 11:21:15 PM | 59.1 | 66.1 |
| 11:21:25 PM | 64 | 70.4 |
| 11:21:35 PM | 55.4 | 57.6 |
| 11:21:45 PM | 64.4 | 68.5 |
| 11:21:55 PM | 60.8 | 64 |

| | | |
|-------------|------|------|
| 11:22:05 PM | 57.4 | 63.8 |
| 11:22:15 PM | 60.3 | 64.5 |
| 11:22:25 PM | 53.2 | 55 |
| 11:22:35 PM | 63.6 | 67.6 |
| 11:22:45 PM | 55.8 | 59.3 |
| 11:22:55 PM | 56.2 | 63.5 |
| 11:23:05 PM | 55.1 | 59.9 |
| 11:23:15 PM | 53.3 | 54.8 |
| 11:23:25 PM | 53.8 | 57.1 |
| 11:23:35 PM | 54.2 | 57.2 |
| 11:23:45 PM | 65.1 | 72 |
| 11:23:55 PM | 67.2 | 72 |
| 11:24:05 PM | 63.6 | 67.3 |
| 11:24:15 PM | 66.5 | 69.1 |
| 11:24:25 PM | 60.5 | 66.5 |
| 11:24:35 PM | 72.8 | 78 |
| 11:24:45 PM | 57.5 | 65.5 |
| 11:24:55 PM | 62.5 | 65.6 |
| 11:25:05 PM | 55 | 57.8 |
| 11:25:15 PM | 51.2 | 52.7 |
| 11:25:25 PM | 62.4 | 70 |
| 11:25:35 PM | 61.4 | 69.6 |
| 11:25:45 PM | 62.3 | 67.6 |
| 11:25:55 PM | 56.9 | 63.2 |
| 11:26:05 PM | 53.2 | 53.9 |
| 11:26:15 PM | 56.1 | 62.8 |
| 11:26:25 PM | 60.2 | 65 |
| 11:26:35 PM | 52.6 | 59.6 |
| 11:26:45 PM | 58.2 | 59.6 |
| 11:26:55 PM | 62.2 | 67.4 |
| 11:27:05 PM | 50.4 | 52 |
| 11:27:15 PM | 62.7 | 67.9 |
| 11:27:25 PM | 67.8 | 70.9 |
| 11:27:35 PM | 58.2 | 62.3 |
| 11:27:45 PM | 59.2 | 64.7 |
| 11:27:55 PM | 53 | 55.7 |
| 11:28:05 PM | 55.6 | 58.2 |
| 11:28:15 PM | 53.9 | 60.1 |
| 11:28:25 PM | 61.5 | 66.8 |
| 11:28:35 PM | 64 | 69 |
| 11:28:45 PM | 51 | 52.2 |
| 11:28:55 PM | 54.5 | 56.7 |
| 11:29:05 PM | 59.8 | 63.9 |
| 11:29:15 PM | 55.5 | 60.3 |
| 11:29:25 PM | 57.6 | 61.9 |

| | | |
|-------------|------|------|
| 11:29:35 PM | 58.4 | 61.4 |
| 11:29:45 PM | 60.5 | 64.6 |
| 11:29:55 PM | 66 | 70.2 |
| 11:30:05 PM | 51.7 | 54 |
| 11:30:15 PM | 58 | 60.9 |
| 11:30:25 PM | 55.5 | 57.3 |
| 11:30:35 PM | 53.2 | 54.8 |
| 11:30:45 PM | 51.7 | 52.2 |

61.3

Project: Sportsmen's Lodge
 Location: R5
 Date: 6/8/2021

| Time | Leq | Lmax |
|-------------|------|------|
| 12:09:54 PM | 55 | 62.4 |
| 12:10:04 PM | 54.2 | 56.1 |
| 12:10:14 PM | 53 | 54.9 |
| 12:10:24 PM | 53.8 | 55.5 |
| 12:10:34 PM | 53.7 | 57.7 |
| 12:10:44 PM | 56.6 | 58 |
| 12:10:54 PM | 57.2 | 58.6 |
| 12:11:04 PM | 63.4 | 70.5 |
| 12:11:14 PM | 62.3 | 68.9 |
| 12:11:24 PM | 58 | 61.7 |
| 12:11:34 PM | 62.1 | 66.1 |
| 12:11:44 PM | 53.5 | 56 |
| 12:11:54 PM | 53.3 | 55.2 |
| 12:12:04 PM | 55.1 | 58.9 |
| 12:12:14 PM | 53.9 | 54.7 |
| 12:12:24 PM | 52.3 | 54.5 |
| 12:12:34 PM | 58 | 61.2 |
| 12:12:44 PM | 65.9 | 71.2 |
| 12:12:54 PM | 59.3 | 65.9 |
| 12:13:04 PM | 54.8 | 56.5 |
| 12:13:14 PM | 55 | 56.4 |
| 12:13:24 PM | 56 | 57.5 |
| 12:13:34 PM | 56.8 | 60 |
| 12:13:44 PM | 60.4 | 63.2 |
| 12:13:54 PM | 62.7 | 66.2 |
| 12:14:04 PM | 62.8 | 65.2 |
| 12:14:14 PM | 62.8 | 64.8 |
| 12:14:24 PM | 61.1 | 63 |
| 12:14:34 PM | 54.9 | 57.3 |
| 12:14:44 PM | 59.6 | 63.5 |
| 12:14:54 PM | 68.1 | 75.7 |
| 12:15:04 PM | 65.1 | 72.9 |
| 12:15:14 PM | 57.1 | 57.7 |
| 12:15:24 PM | 61.2 | 62.3 |
| 12:15:34 PM | 62.8 | 64.6 |
| 12:15:44 PM | 63.4 | 64.2 |
| 12:15:54 PM | 61.6 | 63.3 |
| 12:16:04 PM | 60 | 60.8 |
| 12:16:14 PM | 58.6 | 59.3 |
| 12:16:24 PM | 59.3 | 60 |

| | | |
|-------------|------|------|
| 12:16:34 PM | 62.5 | 67.3 |
| 12:16:44 PM | 75.1 | 78 |
| 12:16:54 PM | 72 | 76.9 |
| 12:17:04 PM | 69 | 75 |
| 12:17:14 PM | 63 | 65.9 |
| 12:17:24 PM | 66.8 | 73.6 |
| 12:17:34 PM | 63.1 | 65.1 |
| 12:17:44 PM | 65.9 | 66.9 |
| 12:17:54 PM | 71.4 | 75.6 |
| 12:18:04 PM | 67.9 | 72.9 |
| 12:18:14 PM | 60 | 63 |
| 12:18:24 PM | 62.2 | 66.2 |
| 12:18:34 PM | 61.3 | 64.7 |
| 12:18:44 PM | 64.4 | 66.6 |
| 12:18:54 PM | 63.3 | 67.2 |
| 12:19:04 PM | 61.7 | 63.1 |
| 12:19:14 PM | 61.1 | 64.2 |
| 12:19:24 PM | 58.6 | 60.8 |
| 12:19:34 PM | 58.3 | 61.2 |
| 12:19:44 PM | 57.6 | 59.8 |
| 12:19:54 PM | 59.8 | 63.9 |
| 12:20:04 PM | 58 | 61 |
| 12:20:14 PM | 55.1 | 56.6 |
| 12:20:24 PM | 57.1 | 59.1 |
| 12:20:34 PM | 59.2 | 62.6 |
| 12:20:44 PM | 57.7 | 59.3 |
| 12:20:54 PM | 57.1 | 61 |
| 12:21:04 PM | 56.4 | 61.1 |
| 12:21:14 PM | 54.3 | 56.5 |
| 12:21:24 PM | 54.8 | 57.5 |
| 12:21:34 PM | 55.9 | 58.1 |
| 12:21:44 PM | 57.5 | 59.8 |
| 12:21:54 PM | 55 | 55.7 |
| 12:22:04 PM | 60.8 | 64.5 |
| 12:22:14 PM | 60.5 | 62.6 |
| 12:22:24 PM | 63.7 | 67.4 |
| 12:22:34 PM | 67.9 | 71.2 |
| 12:22:44 PM | 70.4 | 71.7 |
| 12:22:54 PM | 68.3 | 72.7 |
| 12:23:04 PM | 66.8 | 72.7 |
| 12:23:14 PM | 59.6 | 61.2 |
| 12:23:24 PM | 57.9 | 61.3 |
| 12:23:34 PM | 55.4 | 58.5 |
| 12:23:44 PM | 60.4 | 66 |
| 12:23:54 PM | 57.7 | 62.5 |

| | | |
|-------------|------|------|
| 12:24:04 PM | 56.3 | 61.5 |
| 12:24:14 PM | 53.8 | 54.8 |
| 12:24:24 PM | 55.9 | 57.7 |
| 12:24:34 PM | 55.3 | 56.5 |
| 12:24:44 PM | 55 | 57.5 |

63.4

| Time | Leq | Lmax |
|-------------|------|------|
| 11:35:49 PM | 50.7 | 52.9 |
| 11:35:59 PM | 51.7 | 55.8 |
| 11:36:09 PM | 52.9 | 56.3 |
| 11:36:19 PM | 55.8 | 58.6 |
| 11:36:29 PM | 55.2 | 57.6 |
| 11:36:39 PM | 48.3 | 54.8 |
| 11:36:49 PM | 50.1 | 54.5 |
| 11:36:59 PM | 46.2 | 46.8 |
| 11:37:09 PM | 45.2 | 48.3 |
| 11:37:19 PM | 46.5 | 51.2 |
| 11:37:29 PM | 49.9 | 51.2 |
| 11:37:39 PM | 44.5 | 46.8 |
| 11:37:49 PM | 52.1 | 57.1 |
| 11:37:59 PM | 46.1 | 51.2 |
| 11:38:09 PM | 45 | 45.6 |
| 11:38:19 PM | 50.9 | 57.8 |
| 11:38:29 PM | 54.3 | 58.7 |
| 11:38:39 PM | 54.6 | 57 |
| 11:38:49 PM | 52.5 | 55.5 |
| 11:38:59 PM | 54.2 | 55.7 |
| 11:39:09 PM | 53.1 | 55.2 |
| 11:39:19 PM | 50.1 | 51.6 |
| 11:39:29 PM | 45.5 | 47.5 |
| 11:39:39 PM | 50.2 | 52.1 |
| 11:39:49 PM | 53.3 | 56.5 |
| 11:39:59 PM | 48.3 | 52.2 |
| 11:40:09 PM | 48.6 | 52.1 |
| 11:40:19 PM | 46.8 | 51.4 |
| 11:40:29 PM | 49.9 | 54 |
| 11:40:39 PM | 44.2 | 46.3 |
| 11:40:49 PM | 48.8 | 52.7 |
| 11:40:59 PM | 49.1 | 50.9 |
| 11:41:09 PM | 57.2 | 58.9 |
| 11:41:19 PM | 53.3 | 55 |
| 11:41:29 PM | 50.2 | 53.3 |
| 11:41:39 PM | 59 | 62 |
| 11:41:49 PM | 49.3 | 56.7 |

| | | |
|-------------|------|------|
| 11:41:59 PM | 46.2 | 47.6 |
| 11:42:09 PM | 52.8 | 54.7 |
| 11:42:19 PM | 51.5 | 54.4 |
| 11:42:29 PM | 56.3 | 61.5 |
| 11:42:39 PM | 59.9 | 65.5 |
| 11:42:49 PM | 55.3 | 58.3 |
| 11:42:59 PM | 59.4 | 63.6 |
| 11:43:09 PM | 53.6 | 55.8 |
| 11:43:19 PM | 51.1 | 55.5 |
| 11:43:29 PM | 46.3 | 48.2 |
| 11:43:39 PM | 48.1 | 51 |
| 11:43:49 PM | 46.3 | 47.7 |
| 11:43:59 PM | 43.8 | 45 |
| 11:44:09 PM | 43.1 | 43.7 |
| 11:44:19 PM | 44.7 | 45.4 |
| 11:44:29 PM | 48.2 | 51.5 |
| 11:44:39 PM | 50.9 | 55.4 |
| 11:44:49 PM | 52.7 | 57.1 |
| 11:44:59 PM | 47.3 | 49.3 |
| 11:45:09 PM | 47.6 | 48.3 |
| 11:45:19 PM | 50.2 | 51.9 |
| 11:45:29 PM | 51.5 | 55.3 |
| 11:45:39 PM | 50.1 | 52.6 |
| 11:45:49 PM | 50 | 53 |
| 11:45:59 PM | 50.7 | 51.7 |
| 11:46:09 PM | 55.6 | 58.8 |
| 11:46:19 PM | 54.7 | 58.4 |
| 11:46:29 PM | 50.6 | 53.5 |
| 11:46:39 PM | 49 | 53.2 |
| 11:46:49 PM | 49.7 | 54 |
| 11:46:59 PM | 46.5 | 49.5 |
| 11:47:09 PM | 53.2 | 56.5 |
| 11:47:19 PM | 49.8 | 51.9 |
| 11:47:29 PM | 50.6 | 54.8 |
| 11:47:39 PM | 49 | 54.5 |
| 11:47:49 PM | 50.7 | 54.9 |
| 11:47:59 PM | 52.4 | 55.9 |
| 11:48:09 PM | 48.2 | 51.9 |
| 11:48:19 PM | 51.1 | 53.9 |
| 11:48:29 PM | 51.2 | 54.2 |
| 11:48:39 PM | 48.5 | 50.3 |
| 11:48:49 PM | 52.1 | 57 |
| 11:48:59 PM | 51.3 | 59.1 |
| 11:49:09 PM | 56.8 | 61 |
| 11:49:19 PM | 50.8 | 54.9 |

| | | |
|-------------|------|------|
| 11:49:29 PM | 45.8 | 50 |
| 11:49:39 PM | 53 | 56.4 |
| 11:49:49 PM | 45.5 | 46.2 |
| 11:49:59 PM | 45.3 | 46.8 |
| 11:50:09 PM | 44.5 | 46.3 |
| 11:50:19 PM | 49.8 | 51 |
| 11:50:29 PM | 49.3 | 52 |
| 11:50:39 PM | 45.1 | 45.6 |

51.9

Project: Sportsmen's Lodge
 Location: R6
 Date: 6/8/2021

| Time | Leq | Lmax |
|-------------|------|------|
| 12:32:20 PM | 62 | 67.2 |
| 12:32:30 PM | 55.5 | 56.6 |
| 12:32:40 PM | 56.1 | 58.3 |
| 12:32:50 PM | 56.4 | 58.8 |
| 12:33:00 PM | 59.9 | 61.6 |
| 12:33:10 PM | 54.9 | 61.2 |
| 12:33:20 PM | 49.2 | 51.1 |
| 12:33:30 PM | 55.6 | 58.2 |
| 12:33:40 PM | 55.1 | 55.6 |
| 12:33:50 PM | 55 | 55.5 |
| 12:34:00 PM | 54 | 55 |
| 12:34:10 PM | 56.5 | 63.5 |
| 12:34:20 PM | 56.1 | 63.2 |
| 12:34:30 PM | 51.3 | 53.6 |
| 12:34:40 PM | 52.5 | 54.6 |
| 12:34:50 PM | 53.5 | 56 |
| 12:35:00 PM | 55.9 | 58.1 |
| 12:35:10 PM | 60 | 62.8 |
| 12:35:20 PM | 57.8 | 60.5 |
| 12:35:30 PM | 53 | 54.3 |
| 12:35:40 PM | 53.3 | 55.1 |
| 12:35:50 PM | 55.5 | 56.5 |
| 12:36:00 PM | 58.2 | 59.4 |
| 12:36:10 PM | 57.5 | 59.9 |
| 12:36:20 PM | 51.3 | 54.8 |
| 12:36:30 PM | 48.6 | 50 |
| 12:36:40 PM | 51.1 | 55.8 |
| 12:36:50 PM | 61.5 | 67.1 |
| 12:37:00 PM | 60.6 | 67.5 |
| 12:37:10 PM | 64.5 | 72.5 |
| 12:37:20 PM | 59.4 | 65.6 |
| 12:37:30 PM | 56.4 | 57.6 |
| 12:37:40 PM | 55.9 | 58.1 |
| 12:37:50 PM | 65.4 | 69.3 |
| 12:38:00 PM | 56.6 | 59 |
| 12:38:10 PM | 57.4 | 60.8 |
| 12:38:20 PM | 54.3 | 56 |
| 12:38:30 PM | 51.2 | 53.8 |
| 12:38:40 PM | 51.7 | 55.4 |
| 12:38:50 PM | 56.6 | 58.5 |

| | | |
|-------------|------|------|
| 12:39:00 PM | 54.7 | 58.5 |
| 12:39:10 PM | 55.9 | 57.1 |
| 12:39:20 PM | 57.2 | 57.5 |
| 12:39:30 PM | 57.7 | 59 |
| 12:39:40 PM | 58.5 | 61 |
| 12:39:50 PM | 61.2 | 65.9 |
| 12:40:00 PM | 56.1 | 62.8 |
| 12:40:10 PM | 57.4 | 63.1 |
| 12:40:20 PM | 58.2 | 59 |
| 12:40:30 PM | 58.2 | 59.4 |
| 12:40:40 PM | 56 | 58.2 |
| 12:40:50 PM | 53.6 | 55.2 |
| 12:41:00 PM | 54.3 | 56.2 |
| 12:41:10 PM | 52.8 | 55.7 |
| 12:41:20 PM | 52.4 | 53.6 |
| 12:41:30 PM | 53.6 | 54.5 |
| 12:41:40 PM | 54.4 | 55.8 |
| 12:41:50 PM | 56.2 | 57.4 |
| 12:42:00 PM | 60.1 | 65.2 |
| 12:42:10 PM | 66.9 | 69.7 |
| 12:42:20 PM | | |
| 12:42:30 PM | | |
| 12:42:40 PM | | |
| 12:42:50 PM | 62.5 | 63.9 |
| 12:43:00 PM | 56.2 | 59.8 |
| 12:43:10 PM | 52 | 53.7 |
| 12:43:20 PM | 54.5 | 56.8 |
| 12:43:30 PM | 56.1 | 58 |
| 12:43:40 PM | 55 | 57.7 |
| 12:43:50 PM | 55.1 | 58.3 |
| 12:44:00 PM | 55.2 | 58.5 |
| 12:44:10 PM | 56.6 | 59.7 |
| 12:44:20 PM | 58.9 | 61.1 |
| 12:44:30 PM | 67.2 | 72.3 |
| 12:44:40 PM | 57 | 59.7 |
| 12:44:50 PM | 53.8 | 56.1 |
| 12:45:00 PM | 49.8 | 51.2 |
| 12:45:10 PM | 50.4 | 52 |
| 12:45:20 PM | 52.7 | 53.7 |
| 12:45:30 PM | 54.2 | 57.1 |
| 12:45:40 PM | 56.6 | 59.1 |
| 12:45:50 PM | 54.6 | 55.4 |
| 12:46:00 PM | 53.6 | 57.3 |
| 12:46:10 PM | 52.5 | 54.4 |
| 12:46:20 PM | 53.9 | 55.6 |

| | | |
|-------------|------|------|
| 12:46:30 PM | 56.2 | 57.5 |
| 12:46:40 PM | 57.2 | 57.7 |
| 12:46:50 PM | 57 | 58 |
| 12:47:00 PM | 55.5 | 57.5 |
| 12:47:10 PM | 58.6 | 64.3 |

57.9

| Time | Leq | Lmax |
|-------------|------|------|
| 11:56:12 PM | 48.8 | 50.5 |
| 11:56:22 PM | 49.6 | 52.4 |
| 11:56:32 PM | 42.3 | 42.9 |
| 11:56:42 PM | 51.5 | 55.2 |
| 11:56:52 PM | 56.8 | 58.6 |
| 11:57:02 PM | 52.5 | 56.8 |
| 11:57:12 PM | 53.5 | 56.6 |
| 11:57:22 PM | 50.3 | 52.7 |
| 11:57:32 PM | 47 | 50.1 |
| 11:57:42 PM | 46.7 | 47.5 |
| 11:57:52 PM | 50.1 | 55.6 |
| 11:58:02 PM | 51.5 | 55.5 |
| 11:58:12 PM | 42.8 | 44.9 |
| 11:58:22 PM | 49.7 | 54.2 |
| 11:58:32 PM | 50 | 54.1 |
| 11:58:42 PM | 44.4 | 44.8 |
| 11:58:52 PM | 44.4 | 45 |
| 11:59:02 PM | 46.4 | 50.8 |
| 11:59:12 PM | 56.7 | 58.9 |
| 11:59:22 PM | 49.9 | 53.7 |
| 11:59:32 PM | 45.1 | 45.9 |
| 11:59:42 PM | 45.1 | 46.2 |
| 11:59:52 PM | 46.6 | 47.5 |
| 12:00:02 AM | 50.3 | 55.5 |
| 12:00:12 AM | 59.8 | 64.1 |
| 12:00:22 AM | 49.5 | 52.8 |
| 12:00:32 AM | 45.3 | 48 |
| 12:00:42 AM | 55.1 | 56.7 |
| 12:00:52 AM | 53.1 | 56.3 |
| 12:01:02 AM | 63.9 | 69.1 |
| 12:01:12 AM | 48.9 | 54.7 |
| 12:01:22 AM | 56.7 | 62 |
| 12:01:32 AM | 64.3 | 66.2 |
| 12:01:42 AM | 54.2 | 60.1 |
| 12:01:52 AM | 46.7 | 49.4 |
| 12:02:02 AM | 51.8 | 56 |
| 12:02:12 AM | 58 | 59.6 |

| | | |
|-------------|------|------|
| 12:02:22 AM | 57 | 60.2 |
| 12:02:32 AM | 49.7 | 53.9 |
| 12:02:42 AM | 43.7 | 45 |
| 12:02:52 AM | 46.1 | 49.8 |
| 12:03:02 AM | 53.9 | 55.9 |
| 12:03:12 AM | 56.1 | 59.2 |
| 12:03:22 AM | 47 | 49.8 |
| 12:03:32 AM | 49.1 | 52.7 |
| 12:03:42 AM | 56.6 | 58.5 |
| 12:03:52 AM | 55.1 | 57.5 |
| 12:04:02 AM | 54.1 | 57.7 |
| 12:04:12 AM | 47.8 | 48.4 |
| 12:04:22 AM | 61.8 | 67.5 |
| 12:04:32 AM | 56.6 | 62.8 |
| 12:04:42 AM | 47.1 | 48.2 |
| 12:04:52 AM | 60.7 | 65.2 |
| 12:05:02 AM | 59.5 | 64.2 |
| 12:05:12 AM | 50.4 | 52.5 |
| 12:05:22 AM | 53.2 | 54.8 |
| 12:05:32 AM | 48.2 | 52.5 |
| 12:05:42 AM | 47.5 | 49.6 |
| 12:05:52 AM | 46 | 47.8 |
| 12:06:02 AM | 52.2 | 54.8 |
| 12:06:12 AM | 52.5 | 55.5 |
| 12:06:22 AM | 54 | 56.2 |
| 12:06:32 AM | 47 | 49.6 |
| 12:06:42 AM | 44.4 | 45.3 |
| 12:06:52 AM | 46 | 47 |
| 12:07:02 AM | 47.2 | 48.6 |
| 12:07:12 AM | 51.3 | 53.4 |
| 12:07:22 AM | 45.8 | 47.5 |
| 12:07:32 AM | 48.4 | 50.2 |
| 12:07:42 AM | 54.7 | 57.6 |
| 12:07:52 AM | 54.1 | 59.2 |
| 12:08:02 AM | 57.3 | 60.2 |
| 12:08:12 AM | 49 | 51.7 |
| 12:08:22 AM | 48.5 | 50 |
| 12:08:32 AM | 47 | 48.2 |
| 12:08:42 AM | 45.4 | 46.3 |
| 12:08:52 AM | 47.6 | 51.2 |
| 12:09:02 AM | 50.8 | 53.1 |
| 12:09:12 AM | 53.9 | 56.5 |
| 12:09:22 AM | 55.3 | 57.4 |
| 12:09:32 AM | 49 | 52.8 |
| 12:09:42 AM | 45.9 | 47.9 |

| | | |
|-------------|------|------|
| 12:09:52 AM | 48.5 | 51 |
| 12:10:02 AM | 56.8 | 59.9 |
| 12:10:12 AM | 55 | 58.8 |
| 12:10:22 AM | 47.6 | 50 |
| 12:10:32 AM | 43.8 | 44.4 |
| 12:10:42 AM | 43.5 | 44 |
| 12:10:52 AM | 45.8 | 50.3 |
| 12:11:02 AM | 45.9 | 47.2 |

54.0

Construction Noise & Vibration Calculations

Project: Sportsmen's Lodge
Construction Noise Calculations - Summary

By Phase Estimated Construction Noise Levels, dBA Leq - WITHOUT MITIGATION

| Rec. | Phase 0A: Demolition | Phase 0B: Utility Relocation & Temp Parking Stackers | Phase 1a: Grading | Phase 1a: Foundation | Phase 1a: Structure | Phase 1a: Interior Building | Phase 1b: Structure | Phase 1b: Interior Building | Phase 2: Structure | Phase 2: Interior Building | Phase 3: Demolition | Phase 3: AQMD Cleanup | Phase 3: Grading | Phase 3: Structure | Phase 3: Interior Building | Site: Landscape/Hards cape |
|------|-------------------------|--|----------------------|-------------------------|------------------------|-----------------------------------|------------------------|-----------------------------------|-----------------------|----------------------------------|------------------------|-----------------------------|---------------------|-----------------------|----------------------------------|----------------------------------|
| 1 | 70.6 | 78.7 | 71.3 | 67.8 | 69.0 | 64.2 | 69.0 | 64.2 | 66.7 | 62.0 | 78.0 | 72.6 | 77.8 | 76.9 | 72.9 | 78.0 |
| 2 | 59.3 | 76.8 | 60.1 | 56.4 | 57.6 | 52.9 | 57.6 | 52.9 | 55.6 | 50.8 | 76.1 | 70.6 | 76.0 | 75.2 | 71.2 | 76.1 |
| 3 | 56.4 | 58.1 | 57.3 | 53.3 | 54.7 | 49.9 | 55.1 | 50.3 | 53.6 | 48.8 | 58.4 | 51.1 | 57.5 | 58.4 | 53.0 | 57.2 |
| 4 | 58.6 | 54.5 | 59.4 | 55.7 | 57.0 | 52.2 | 56.9 | 52.1 | 54.3 | 51.3 | 54.8 | 47.2 | 53.9 | 54.3 | 49.5 | 66.0 |
| 5 | 63.3 | 55.5 | 63.8 | 60.7 | 61.6 | 56.8 | 61.6 | 56.8 | 56.8 | 56.2 | 54.6 | 47.0 | 53.7 | 54.1 | 49.3 | 71.1 |
| 6 | 66.5 | 59.7 | 69.7 | 66.9 | 67.6 | 62.9 | 66.2 | 61.4 | 62.5 | 62.4 | 60.7 | 53.1 | 59.8 | 60.2 | 55.4 | 72.2 |
| 7 | 72.9 | 75.2 | 73.4 | 70.3 | 71.2 | 66.4 | 71.3 | 66.6 | 70.5 | 65.8 | 75.6 | 68.9 | 74.6 | 74.6 | 69.9 | 74.5 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

By Months Estimated Construction Noise Levels, dBA Leq - OVERLAPPING CONSTRUCTION

| Rec. | Months 1-4 | Months 5-12 | Months 13-19 | Months 20-24 | Months 25-26 | Months 27-28 | Months 29-31 | Months 32-36 | Months 37-40 | Months 41-43 |
|------|------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 1 | 78.7 | 71.3 | 69.0 | 72.6 | 71.8 | 78.8 | 79.6 | 78.2 | 77.3 | 81.2 |
| 2 | 76.8 | 60.1 | 57.6 | 61.3 | 60.6 | 76.2 | 77.2 | 75.4 | 75.2 | 79.4 |
| 3 | 58.1 | 57.3 | 54.7 | 58.6 | 58.1 | 61.0 | 61.0 | 61.5 | 59.4 | 61.5 |
| 4 | 58.6 | 59.4 | 57.0 | 60.6 | 59.6 | 60.2 | 60.2 | 61.2 | 57.5 | 66.4 |
| 5 | 63.3 | 63.8 | 61.6 | 65.3 | 63.8 | 63.4 | 63.4 | 64.9 | 60.7 | 71.2 |
| 6 | 66.5 | 69.7 | 67.6 | 70.7 | 68.9 | 68.5 | 68.5 | 70.0 | 66.2 | 72.6 |
| 7 | 75.2 | 73.4 | 71.2 | 74.9 | 74.7 | 77.8 | 77.9 | 77.9 | 75.7 | 78.3 |

Overlapping Construction by Months

- Months 1-4: Phase 0a Demolition of Existing Hotel; Phase 0b Utility Relocation, and Temp Parking-Parking Stackers.
- Months 5-12: Phase 1a Grading/Export/Shoring for Area 1 (Parking Garage Area); Phase 1a Mat Foundation.
- Months 13-19: Phase 1a Garage to Podium Deck Structure.
- Months 20-24: Phase 1a Garage to Podium Deck Structure, Phase 1a Garage to Podium Deck Interior Build, and Phase 1b Structure.
- Months 25-26: Phase 1a Garage to Podium Deck Interior Build, Phase 1b Structure, and Phase 2 Structure.
- Months 27-28: Phase 1b Structure, Phase 2 Structure, Phase 3 Demolition, Relocate Parking Stackers to Garage
- Months 29-31: Phase 1b Structure, Phase 2 Structure, Phase 3 AQMD Cleanup, and Phase 3 Grading/Export/Shoring.
- Months 32-36: Phase 1b Structure, Phase 1b Interior Build, Phase 2 Structure, Phase 2 Interior Build, and Phase 3 Structure.
- Months 37-40: Phase 1b Interior Build, Phase 2 Interior Build, and Phase 3 Structure.
- Months 41-43: Phase 3 Structure, Phase 3 Interior Build, Landscape/Hardscape.

Project: Sportsmen's Lodge

**Construction Phase: Phase 0A: Demolition
Months 1-2**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 370 | 0 |
| Excavator | 1 | 81 | 40% | 370 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 395 | 0 |
| Air Compressor | 1 | 78 | 40% | 395 | 0 |
| Paving Equipment | 1 | 77 | 50% | 420 | 0 |
| Water Truck | 1 | 82 | 10% | 420 | 0 |
| Trenches | 1 | 50 | 80% | 445 | 0 |
| Rubber-tired Dozers | 1 | 82 | 40% | 445 | 0 |
| Air Compressor | 1 | 78 | 40% | 470 | 0 |
| Concrete Saw | 1 | 90 | 20% | 470 | 0 |
| Excavator | 1 | 81 | 40% | 495 | 0 |
| Air Compressor | 1 | 78 | 40% | 495 | 0 |
| Paving Equipment | 1 | 78 | 40% | 520 | 0 |
| Excavator | 1 | 81 | 40% | 520 | 0 |
| Air Compressor | 1 | 78 | 40% | 545 | 0 |
| Air Compressor | 1 | 78 | 40% | 545 | 0 |
| | | | 40% | | |
| Total # of equipment: | 16 | | | | |

Receptor: R1

Results:
1-hour Leq: 70.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0B: Utility Relocation & Temp Parking Stackers
Month 3**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 110 | 0 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Concrete Saw | 1 | 90 | 20% | 135 | 0 |
| Air Compressor | 1 | 78 | 40% | 135 | 0 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Air Compressor | 1 | 78 | 40% | 160 | 0 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |

Total # of equipment: 8

Receptor: R1

Results:
1-hour Leq: 78.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Grading
Months 5-9**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Drill Rig | 1 | 84 | 20% | 370 | 0 |
| Excavator | 1 | 81 | 40% | 370 | 0 |
| Water Truck | 1 | 82 | 10% | 395 | 0 |
| Graders | 1 | 85 | 40% | 395 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 420 | 0 |
| Welders | 1 | 74 | 40% | 420 | 0 |
| Signal Boards | 1 | 73 | 50% | 445 | 0 |
| Scrapers | 1 | 84 | 40% | 445 | 0 |
| Rubber-tired Dozers | 1 | 82 | 40% | 470 | 0 |
| Rubber-tired Loaders | 1 | 79 | 40% | 470 | 0 |
| Bore/Drill Rig | 1 | 84 | 20% | 495 | 0 |
| Excavator | 3 | 81 | 40% | 495 | 0 |
| Graders | 2 | 85 | 40% | 520 | 0 |
| Welders | 1 | 74 | 40% | 520 | 0 |
| Scrapers | 1 | 84 | 40% | 545 | 0 |
| Dozers | 1 | 82 | 40% | 545 | 0 |
| Loaders | 1 | 79 | 40% | 570 | 0 |

Total # of equipment: 20

Receptor: R1

Results:
1-hour Leq: 71.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

Construction Phase: *Phase 1a: Foundation*
Months 9-12

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Graders | 1 | 85 | 40% | 370 | 0 |
| Dozers | 1 | 82 | 40% | 370 | 0 |
| Air Compressor | 1 | 78 | 40% | 395 | 0 |
| Loaders | 1 | 79 | 40% | 395 | 0 |
| Signal Boards | 1 | 73 | 50% | 420 | 0 |
| Air Compressor | 1 | 78 | 40% | 420 | 0 |
| Air Compressor | 1 | 78 | 40% | 445 | 0 |
| Air Compressor | 1 | 78 | 40% | 445 | 0 |
| Air Compressor | 1 | 78 | 40% | 470 | 0 |
| Air Compressor | 1 | 78 | 40% | 470 | 0 |

Total # of equipment: 10

Receptor: *R1*

Results:
1-hour Leq: 67.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Structure
Montha 12-21**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 370 | 0 |
| Mixer | 1 | 79 | 40% | 370 | 0 |
| Concrete Saw | 1 | 90 | 20% | 395 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 395 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 420 | 0 |
| Forklifts | 1 | 75 | 20% | 420 | 0 |
| Plate Compactors | 1 | 83 | 20% | 445 | 0 |
| Signal Boards | 1 | 73 | 50% | 445 | 0 |
| Welders | 1 | 74 | 40% | 470 | 0 |
| Air Compressor | 1 | 78 | 40% | 470 | 0 |
| Mixer | 1 | 79 | 40% | 495 | 0 |
| Forklifts | 1 | 75 | 20% | 495 | 0 |
| Plate Compactors | 1 | 83 | 20% | 520 | 0 |
| Welders | 1 | 74 | 40% | 520 | 0 |
| Air Compressor | 2 | 78 | 40% | 545 | 0 |
| Mixer | 1 | 79 | 40% | 545 | 0 |
| Forklifts | 1 | 75 | 20% | 570 | 0 |
| Plate Compactors | 1 | 83 | 20% | 570 | 0 |
| Total # of equipment: | 19 | | | | |

Receptor: R1

Results:
1-hour Leq: 69.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Interior Building
Months 21-25**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 370 | 0 |
| Aerial Lift | 1 | 75 | 20% | 370 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 395 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 395 | 0 |
| Forklifts | 1 | 75 | 20% | 420 | 0 |
| Signal Boards | 1 | 73 | 50% | 420 | 0 |
| Air Compressor | 1 | 78 | 40% | 445 | 0 |
| Aerial Lift | 1 | 75 | 20% | 445 | 0 |
| Forklifts | 1 | 75 | 20% | 470 | 0 |
| Air Compressor | 1 | 78 | 40% | 470 | 0 |
| Aerial Lift | 1 | 75 | 20% | 495 | 0 |
| Forklifts | 1 | 75 | 20% | 495 | 0 |
| Air Compressor | 1 | 78 | 40% | 520 | 0 |
| Aerial Lift | 1 | 75 | 20% | 520 | 0 |

Total # of equipment: 14

Receptor: R1

Results:
1-hour Leq: 64.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1b: Structure
Months 20-33**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 370 | 0 |
| Mixer | 1 | 79 | 40% | 370 | 0 |
| Concrete Saw | 1 | 90 | 20% | 395 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 395 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 420 | 0 |
| Forklifts | 1 | 75 | 20% | 420 | 0 |
| Plate Compactors | 1 | 83 | 20% | 445 | 0 |
| Signal Boards | 1 | 73 | 50% | 445 | 0 |
| Welders | 1 | 74 | 40% | 470 | 0 |
| Air Compressor | 1 | 78 | 40% | 470 | 0 |
| Mixer | 1 | 79 | 40% | 495 | 0 |
| Forklifts | 1 | 75 | 20% | 495 | 0 |
| Plate Compactors | 1 | 83 | 20% | 520 | 0 |
| Welders | 1 | 74 | 40% | 520 | 0 |
| Air Compressor | 2 | 78 | 40% | 545 | 0 |
| Mixer | 1 | 79 | 40% | 545 | 0 |
| Forklifts | 1 | 75 | 20% | 570 | 0 |
| Plate Compactors | 1 | 83 | 20% | 570 | 0 |
| Total # of equipment: | 19 | | | | |

Receptor: R1

Results:
1-hour Leq: 69.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1b: Interior Building
Months 32-37**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 370 | 0 |
| Aerial Lift | 1 | 75 | 20% | 370 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 395 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 395 | 0 |
| Forklifts | 1 | 75 | 20% | 420 | 0 |
| Signal Boards | 1 | 73 | 50% | 420 | 0 |
| Air Compressor | 1 | 78 | 40% | 445 | 0 |
| Aerial Lift | 1 | 75 | 20% | 445 | 0 |
| Forklifts | 1 | 75 | 20% | 470 | 0 |
| Air Compressor | 1 | 78 | 40% | 470 | 0 |
| Aerial Lift | 1 | 75 | 20% | 495 | 0 |
| Forklifts | 1 | 75 | 20% | 495 | 0 |
| Air Compressor | 1 | 78 | 40% | 520 | 0 |
| Aerial Lift | 1 | 75 | 20% | 520 | 0 |

Total # of equipment: 14

Receptor: R1

Results:
1-hour Leq: 64.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Structure
Months 25-36**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 495 | 0 |
| Mixer | 1 | 79 | 40% | 495 | 0 |
| Concrete Saw | 1 | 90 | 20% | 520 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 520 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 545 | 0 |
| Forklifts | 1 | 75 | 20% | 545 | 0 |
| Plate Compactors | 1 | 83 | 20% | 570 | 0 |
| Signal Boards | 1 | 73 | 50% | 570 | 0 |
| Welders | 1 | 74 | 40% | 595 | 0 |
| Air Compressor | 1 | 78 | 40% | 595 | 0 |
| Mixer | 1 | 79 | 40% | 620 | 0 |
| Forklifts | 1 | 75 | 20% | 620 | 0 |
| Plate Compactors | 1 | 83 | 20% | 645 | 0 |
| Welders | 1 | 74 | 40% | 645 | 0 |
| Air Compressor | 2 | 78 | 40% | 670 | 0 |
| Mixer | 1 | 79 | 40% | 670 | 0 |
| Forklifts | 1 | 75 | 20% | 695 | 0 |
| Plate Compactors | 1 | 83 | 20% | 695 | 0 |
| Total # of equipment: | 19 | | | | |

Receptor: R1

Results:
1-hour Leq: 66.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Interior Building
Months 32-37**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 495 | 0 |
| Aerial Lift | 1 | 75 | 20% | 495 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 520 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 520 | 0 |
| Forklifts | 1 | 75 | 20% | 545 | 0 |
| Signal Boards | 1 | 73 | 50% | 545 | 0 |
| Air Compressor | 1 | 78 | 40% | 570 | 0 |
| Aerial Lift | 1 | 75 | 20% | 570 | 0 |
| Forklifts | 1 | 75 | 20% | 595 | 0 |
| Air Compressor | 1 | 78 | 40% | 595 | 0 |
| Aerial Lift | 1 | 75 | 20% | 620 | 0 |
| Forklifts | 1 | 75 | 20% | 620 | 0 |
| Air Compressor | 1 | 78 | 40% | 645 | 0 |
| Aerial Lift | 1 | 75 | 20% | 645 | 0 |

Total # of equipment: 14

Receptor: R1

Results:
1-hour Leq: 62.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Demolition
Months 27-28**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 110 | 0 |
| Concrete Saw | 1 | 90 | 20% | 110 | 0 |
| Excavator | 1 | 81 | 40% | 135 | 0 |
| Water Truck | 1 | 82 | 10% | 135 | 0 |
| Loaders | 1 | 79 | 40% | 160 | 0 |
| Signal Boards | 1 | 73 | 50% | 160 | 0 |
| Loaders | 1 | 79 | 40% | 185 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 860 | 0 |
| Trenches | 1 | 50 | 80% | 815 | 0 |
| Air Compressor | 1 | 78 | 40% | 815 | 0 |
| Concrete Saw | 1 | 90 | 20% | 840 | 0 |

Total # of equipment: 11

Receptor: R1

Results:
1-hour Leq: 78.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: AQMD Cleanup
Months 30-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|----------------------|---------------|-------------------------------------|-------------------------|--------------------------|--------------------------------|
| Excavator | 1 | 81 | 40% | 110 | 0 |
| Water Truck | 1 | 82 | 10% | 110 | 0 |
| Rubber Tired Loaders | 1 | 79 | 40% | 135 | 0 |

Total # of equipment: 3

Receptor: R1

Results:
1-hour Leq: 72.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Grading
Months 29-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Dril Rig | 1 | 84 | 20% | 110 | 0 |
| Excavator | 1 | 81 | 40% | 110 | 0 |
| Graders | 1 | 85 | 40% | 135 | 0 |
| Water Truck | 1 | 82 | 10% | 135 | 0 |
| Dozers | 1 | 82 | 40% | 160 | 0 |
| Loaders | 1 | 79 | 40% | 160 | 0 |
| Signal Boards | 1 | 73 | 50% | 185 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 185 | 0 |
| Welders | 1 | 74 | 40% | 210 | 0 |
| Bore/Dril Rig | 1 | 84 | 20% | 210 | 0 |
| Excavator | 1 | 81 | 40% | 235 | 0 |

Total # of equipment: 11

Receptor: R1

Results:
1-hour Leq: 77.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Structure
Months 32-42**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 110 | 0 |
| Mixer | 1 | 79 | 40% | 110 | 0 |
| Concrete Saw | 1 | 90 | 20% | 135 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 135 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 160 | 0 |
| Forklifts | 2 | 75 | 20% | 160 | 0 |
| Plate Compactors | 1 | 83 | 20% | 185 | 0 |
| Signal Boards | 1 | 73 | 50% | 900 | 0 |
| Welders | 1 | 74 | 40% | 770 | 0 |
| Air Compressor | 1 | 78 | 40% | 770 | 0 |
| Mixer | 1 | 79 | 40% | 795 | 0 |
| Forklifts | 1 | 75 | 20% | 795 | 0 |
| Plate Compactors | 1 | 83 | 20% | 820 | 0 |
| Welders | 1 | 74 | 40% | 820 | 0 |
| Air Compressor | 1 | 78 | 40% | 845 | 0 |
| Mixer | 1 | 79 | 40% | 845 | 0 |
| Plate Compactors | 1 | 83 | 20% | 870 | 0 |
| Air Compressor | 1 | 78 | 40% | 870 | 0 |
| Total # of equipment: | 19 | | | | |

Receptor: R1

Results:
1-hour Leq: 76.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Interior Building
Months 41 - 43**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 110 | 0 |
| Aerial Lift | 1 | 75 | 20% | 110 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 135 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 135 | 0 |
| Forklifts | 1 | 75 | 20% | 160 | 0 |
| Signal Boards | 1 | 73 | 50% | 160 | 0 |
| Air Compressor | 1 | 78 | 40% | 185 | 0 |
| Aerial Lift | 1 | 75 | 20% | 185 | 0 |
| Forklifts | 1 | 75 | 20% | 210 | 0 |
| Air Compressor | 1 | 78 | 40% | 210 | 0 |
| Aerial Lift | 1 | 75 | 20% | 235 | 0 |
| Forklifts | 1 | 75 | 20% | 235 | 0 |
| Air Compressor | 1 | 78 | 40% | 260 | 0 |
| Aerial Lift | 1 | 75 | 20% | 260 | 0 |

Total # of equipment: 14

Receptor: R1

Results:
1-hour Leq: 72.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Site: Landscape/Hardscape
Months 41-42**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Mixer | 1 | 79 | 40% | 110 | 0 |
| Concrete Saw | 1 | 90 | 20% | 110 | 0 |
| Forklifts | 1 | 75 | 20% | 135 | 0 |
| Water Truck | 1 | 82 | 10% | 135 | 0 |
| Plate Compactors | 1 | 83 | 20% | 160 | 0 |
| Rollers | 1 | 80 | 20% | 160 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 185 | 0 |
| Signal Boards | 1 | 73 | 50% | 185 | 0 |
| Loaders | 1 | 79 | 40% | 210 | 0 |
| Trenches | 1 | 50 | 80% | 210 | 0 |

Total # of equipment: 10

Receptor: R1

Results:
1-hour Leq: 78.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0A: Demolition
Months 1-2**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 440 | 10 |
| Excavator | 1 | 81 | 40% | 440 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 465 | 10 |
| Air Compressor | 1 | 78 | 40% | 465 | 10 |
| Paving Equipment | 1 | 77 | 50% | 490 | 10 |
| Water Truck | 1 | 82 | 10% | 490 | 10 |
| Trenches | 1 | 50 | 80% | 515 | 10 |
| Rubber-tired Dozers | 1 | 82 | 40% | 515 | 10 |
| Air Compressor | 1 | 78 | 40% | 540 | 10 |
| Concrete Saw | 1 | 90 | 20% | 540 | 10 |
| Excavator | 1 | 81 | 40% | 565 | 10 |
| Air Compressor | 1 | 78 | 40% | 565 | 10 |
| Paving Equipment | 1 | 78 | 40% | 590 | 10 |
| Excavator | 1 | 81 | 40% | 590 | 10 |
| Air Compressor | 1 | 78 | 40% | 615 | 10 |
| Air Compressor | 1 | 78 | 40% | 615 | 10 |
| | | | 40% | | |

Total # of equipment: 16

Receptor: R2

Results:
1-hour Leq: 59.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0B: Utility Relocation & Temp Parking Stackers
Month 3**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 140 | 0 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Concrete Saw | 1 | 90 | 20% | 165 | 0 |
| Air Compressor | 1 | 78 | 40% | 165 | 0 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Air Compressor | 1 | 78 | 40% | 190 | 0 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |

Total # of equipment: 8

Receptor: R2

Results:
1-hour Leq: 76.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Grading
Months 5-9**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Drill Rig | 1 | 84 | 20% | 440 | 10 |
| Excavator | 1 | 81 | 40% | 440 | 10 |
| Water Truck | 1 | 82 | 10% | 465 | 10 |
| Graders | 1 | 85 | 40% | 465 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 490 | 10 |
| Welders | 1 | 74 | 40% | 490 | 10 |
| Signal Boards | 1 | 73 | 50% | 515 | 10 |
| Scrapers | 1 | 84 | 40% | 515 | 10 |
| Rubber-tired Dozers | 1 | 82 | 40% | 540 | 10 |
| Rubber-tired Loaders | 1 | 79 | 40% | 540 | 10 |
| Bore/Drill Rig | 1 | 84 | 20% | 565 | 10 |
| Excavator | 3 | 81 | 40% | 565 | 10 |
| Graders | 2 | 85 | 40% | 590 | 10 |
| Welders | 1 | 74 | 40% | 590 | 10 |
| Scrapers | 1 | 84 | 40% | 615 | 10 |
| Dozers | 1 | 82 | 40% | 615 | 10 |
| Loaders | 1 | 79 | 40% | 640 | 10 |
| Total # of equipment: | 20 | | | | |

Receptor: R2

Results:
1-hour Leq: 60.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Foundation
Months 9-12**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Graders | 1 | 85 | 40% | 440 | 10 |
| Dozers | 1 | 82 | 40% | 440 | 10 |
| Air Compressor | 1 | 78 | 40% | 465 | 10 |
| Loaders | 1 | 79 | 40% | 465 | 10 |
| Signal Boards | 1 | 73 | 50% | 490 | 10 |
| Air Compressor | 1 | 78 | 40% | 490 | 10 |
| Air Compressor | 1 | 78 | 40% | 515 | 10 |
| Air Compressor | 1 | 78 | 40% | 515 | 10 |
| Air Compressor | 1 | 78 | 40% | 540 | 10 |
| Air Compressor | 1 | 78 | 40% | 540 | 10 |

Total # of equipment: 10

Receptor: R2

Results:
1-hour Leq: 56.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Structure
Montha 12-21**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 440 | 10 |
| Mixer | 1 | 79 | 40% | 440 | 10 |
| Concrete Saw | 1 | 90 | 20% | 465 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 465 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 490 | 10 |
| Forklifts | 1 | 75 | 20% | 490 | 10 |
| Plate Compactors | 1 | 83 | 20% | 515 | 10 |
| Signal Boards | 1 | 73 | 50% | 515 | 10 |
| Welders | 1 | 74 | 40% | 540 | 10 |
| Air Compressor | 1 | 78 | 40% | 540 | 10 |
| Mixer | 1 | 79 | 40% | 565 | 10 |
| Forklifts | 1 | 75 | 20% | 565 | 10 |
| Plate Compactors | 1 | 83 | 20% | 590 | 10 |
| Welders | 1 | 74 | 40% | 590 | 10 |
| Air Compressor | 2 | 78 | 40% | 615 | 10 |
| Mixer | 1 | 79 | 40% | 615 | 10 |
| Forklifts | 1 | 75 | 20% | 640 | 10 |
| Plate Compactors | 1 | 83 | 20% | 640 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R2

Results:
1-hour Leq: 57.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Interior Building
Months 21-25**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 440 | 10 |
| Aerial Lift | 1 | 75 | 20% | 440 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 465 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 465 | 10 |
| Forklifts | 1 | 75 | 20% | 490 | 10 |
| Signal Boards | 1 | 73 | 50% | 490 | 10 |
| Air Compressor | 1 | 78 | 40% | 515 | 10 |
| Aerial Lift | 1 | 75 | 20% | 515 | 10 |
| Forklifts | 1 | 75 | 20% | 540 | 10 |
| Air Compressor | 1 | 78 | 40% | 540 | 10 |
| Aerial Lift | 1 | 75 | 20% | 565 | 10 |
| Forklifts | 1 | 75 | 20% | 565 | 10 |
| Air Compressor | 1 | 78 | 40% | 590 | 10 |
| Aerial Lift | 1 | 75 | 20% | 590 | 10 |

Total # of equipment: 14

Receptor: R2

Results:
1-hour Leq: 52.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1b: Structure
Months 20-33**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 440 | 10 |
| Mixer | 1 | 79 | 40% | 440 | 10 |
| Concrete Saw | 1 | 90 | 20% | 465 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 465 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 490 | 10 |
| Forklifts | 1 | 75 | 20% | 490 | 10 |
| Plate Compactors | 1 | 83 | 20% | 515 | 10 |
| Signal Boards | 1 | 73 | 50% | 515 | 10 |
| Welders | 1 | 74 | 40% | 540 | 10 |
| Air Compressor | 1 | 78 | 40% | 540 | 10 |
| Mixer | 1 | 79 | 40% | 565 | 10 |
| Forklifts | 1 | 75 | 20% | 565 | 10 |
| Plate Compactors | 1 | 83 | 20% | 590 | 10 |
| Welders | 1 | 74 | 40% | 590 | 10 |
| Air Compressor | 2 | 78 | 40% | 615 | 10 |
| Mixer | 1 | 79 | 40% | 615 | 10 |
| Forklifts | 1 | 75 | 20% | 640 | 10 |
| Plate Compactors | 1 | 83 | 20% | 640 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R2

Results:
1-hour Leq: 57.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1b: Interior Building
Months 32-37**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 440 | 10 |
| Aerial Lift | 1 | 75 | 20% | 440 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 465 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 465 | 10 |
| Forklifts | 1 | 75 | 20% | 490 | 10 |
| Signal Boards | 1 | 73 | 50% | 490 | 10 |
| Air Compressor | 1 | 78 | 40% | 515 | 10 |
| Aerial Lift | 1 | 75 | 20% | 515 | 10 |
| Forklifts | 1 | 75 | 20% | 540 | 10 |
| Air Compressor | 1 | 78 | 40% | 540 | 10 |
| Aerial Lift | 1 | 75 | 20% | 565 | 10 |
| Forklifts | 1 | 75 | 20% | 565 | 10 |
| Air Compressor | 1 | 78 | 40% | 590 | 10 |
| Aerial Lift | 1 | 75 | 20% | 590 | 10 |

Total # of equipment: 14

Receptor: R2

Results:
1-hour Leq: 52.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Structure
Months 25-36**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 575 | 10 |
| Mixer | 1 | 79 | 40% | 575 | 10 |
| Concrete Saw | 1 | 90 | 20% | 600 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 600 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 625 | 10 |
| Forklifts | 1 | 75 | 20% | 625 | 10 |
| Plate Compactors | 1 | 83 | 20% | 650 | 10 |
| Signal Boards | 1 | 73 | 50% | 650 | 10 |
| Welders | 1 | 74 | 40% | 675 | 10 |
| Air Compressor | 1 | 78 | 40% | 675 | 10 |
| Mixer | 1 | 79 | 40% | 700 | 10 |
| Forklifts | 1 | 75 | 20% | 700 | 10 |
| Plate Compactors | 1 | 83 | 20% | 725 | 10 |
| Welders | 1 | 74 | 40% | 725 | 10 |
| Air Compressor | 2 | 78 | 40% | 750 | 10 |
| Mixer | 1 | 79 | 40% | 750 | 10 |
| Forklifts | 1 | 75 | 20% | 775 | 10 |
| Plate Compactors | 1 | 83 | 20% | 775 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R2

Results:
1-hour Leq: 55.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Interior Building
Months 32-37**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 575 | 10 |
| Aerial Lift | 1 | 75 | 20% | 575 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 600 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 600 | 10 |
| Forklifts | 1 | 75 | 20% | 625 | 10 |
| Signal Boards | 1 | 73 | 50% | 625 | 10 |
| Air Compressor | 1 | 78 | 40% | 650 | 10 |
| Aerial Lift | 1 | 75 | 20% | 650 | 10 |
| Forklifts | 1 | 75 | 20% | 675 | 10 |
| Air Compressor | 1 | 78 | 40% | 675 | 10 |
| Aerial Lift | 1 | 75 | 20% | 700 | 10 |
| Forklifts | 1 | 75 | 20% | 700 | 10 |
| Air Compressor | 1 | 78 | 40% | 725 | 10 |
| Aerial Lift | 1 | 75 | 20% | 725 | 10 |

Total # of equipment: 14

Receptor: R2

Results:
1-hour Leq: 50.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Demolition
Months 27-28**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 140 | 0 |
| Concrete Saw | 1 | 90 | 20% | 140 | 0 |
| Excavator | 1 | 81 | 40% | 165 | 0 |
| Water Truck | 1 | 82 | 10% | 165 | 0 |
| Loaders | 1 | 79 | 40% | 190 | 0 |
| Signal Boards | 1 | 73 | 50% | 190 | 0 |
| Loaders | 1 | 79 | 40% | 215 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 795 | 0 |
| Trenches | 1 | 50 | 80% | 805 | 0 |
| Air Compressor | 1 | 78 | 40% | 805 | 0 |
| Concrete Saw | 1 | 90 | 20% | 830 | 0 |

Total # of equipment: 11

Receptor: R2

Results:
1-hour Leq: 76.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: AQMD Cleanup
Months 30-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|----------------------|---------------|-------------------------------------|-------------------------|--------------------------|--------------------------------|
| Excavator | 1 | 81 | 40% | 140 | 0 |
| Water Truck | 1 | 82 | 10% | 140 | 0 |
| Rubber Tired Loaders | 1 | 79 | 40% | 165 | 0 |

Total # of equipment: 3

Receptor: R2

Results:
1-hour Leq: 70.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Grading
Months 29-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Dril Rig | 1 | 84 | 20% | 140 | 0 |
| Excavator | 1 | 81 | 40% | 140 | 0 |
| Graders | 1 | 85 | 40% | 165 | 0 |
| Water Truck | 1 | 82 | 10% | 165 | 0 |
| Dozers | 1 | 82 | 40% | 190 | 0 |
| Loaders | 1 | 79 | 40% | 190 | 0 |
| Signal Boards | 1 | 73 | 50% | 215 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 215 | 0 |
| Welders | 1 | 74 | 40% | 240 | 0 |
| Bore/Dril Rig | 1 | 84 | 20% | 240 | 0 |
| Excavator | 1 | 81 | 40% | 265 | 0 |

Total # of equipment: 11

Receptor: R2

Results:
1-hour Leq: 76.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Structure
Months 32-42**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 140 | 0 |
| Mixer | 1 | 79 | 40% | 140 | 0 |
| Concrete Saw | 1 | 90 | 20% | 165 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 165 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 190 | 0 |
| Forklifts | 2 | 75 | 20% | 190 | 0 |
| Plate Compactors | 1 | 83 | 20% | 215 | 0 |
| Signal Boards | 1 | 73 | 50% | 800 | 0 |
| Welders | 1 | 74 | 40% | 655 | 0 |
| Air Compressor | 1 | 78 | 40% | 655 | 0 |
| Mixer | 1 | 79 | 40% | 680 | 0 |
| Forklifts | 1 | 75 | 20% | 680 | 0 |
| Plate Compactors | 1 | 83 | 20% | 705 | 0 |
| Welders | 1 | 74 | 40% | 705 | 0 |
| Air Compressor | 1 | 78 | 40% | 730 | 0 |
| Mixer | 1 | 79 | 40% | 730 | 0 |
| Plate Compactors | 1 | 83 | 20% | 755 | 0 |
| Air Compressor | 1 | 78 | 40% | 755 | 0 |
| Total # of equipment: | 19 | | | | |

Receptor: R2

Results:
1-hour Leq: 75.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Interior Building
Months 41 - 43**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 140 | 0 |
| Aerial Lift | 1 | 75 | 20% | 140 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 165 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 165 | 0 |
| Forklifts | 1 | 75 | 20% | 190 | 0 |
| Signal Boards | 1 | 73 | 50% | 190 | 0 |
| Air Compressor | 1 | 78 | 40% | 215 | 0 |
| Aerial Lift | 1 | 75 | 20% | 215 | 0 |
| Forklifts | 1 | 75 | 20% | 240 | 0 |
| Air Compressor | 1 | 78 | 40% | 240 | 0 |
| Aerial Lift | 1 | 75 | 20% | 265 | 0 |
| Forklifts | 1 | 75 | 20% | 265 | 0 |
| Air Compressor | 1 | 78 | 40% | 290 | 0 |
| Aerial Lift | 1 | 75 | 20% | 290 | 0 |

Total # of equipment: 14

Receptor: R2

Results:
1-hour Leq: 71.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

Construction Phase: *Site: Landscape/Hardscape*
Months 41-42

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Mixer | 1 | 79 | 40% | 140 | 0 |
| Concrete Saw | 1 | 90 | 20% | 140 | 0 |
| Forklifts | 1 | 75 | 20% | 165 | 0 |
| Water Truck | 1 | 82 | 10% | 165 | 0 |
| Plate Compactors | 1 | 83 | 20% | 190 | 0 |
| Rollers | 1 | 80 | 20% | 190 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 215 | 0 |
| Signal Boards | 1 | 73 | 50% | 215 | 0 |
| Loaders | 1 | 79 | 40% | 240 | 0 |
| Trenches | 1 | 50 | 80% | 240 | 0 |

Total # of equipment: 10

Receptor: R2

Results:
1-hour Leq: 76.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0A: Demolition
Months 1-2**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 640 | 10 |
| Excavator | 1 | 81 | 40% | 640 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 665 | 10 |
| Air Compressor | 1 | 78 | 40% | 665 | 10 |
| Paving Equipment | 1 | 77 | 50% | 690 | 10 |
| Water Truck | 1 | 82 | 10% | 690 | 10 |
| Trenches | 1 | 50 | 80% | 715 | 10 |
| Rubber-tired Dozers | 1 | 82 | 40% | 715 | 10 |
| Air Compressor | 1 | 78 | 40% | 740 | 10 |
| Concrete Saw | 1 | 90 | 20% | 740 | 10 |
| Excavator | 1 | 81 | 40% | 765 | 10 |
| Air Compressor | 1 | 78 | 40% | 765 | 10 |
| Paving Equipment | 1 | 78 | 40% | 790 | 10 |
| Excavator | 1 | 81 | 40% | 790 | 10 |
| Air Compressor | 1 | 78 | 40% | 815 | 10 |
| Air Compressor | 1 | 78 | 40% | 815 | 10 |
| | | | 40% | | |
| Total # of equipment: | 16 | | | | |

Receptor: R3

Results:
1-hour Leq: 56.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0B: Utility Relocation & Temp Parking Stackers
Month 3**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 415 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Concrete Saw | 1 | 90 | 20% | 440 | 10 |
| Air Compressor | 1 | 78 | 40% | 440 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Air Compressor | 1 | 78 | 40% | 465 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |

Total # of equipment: 8

Receptor: R3

Results:
1-hour Leq: 58.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Grading
Months 5-9**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Drill Rig | 1 | 84 | 20% | 640 | 10 |
| Excavator | 1 | 81 | 40% | 640 | 10 |
| Water Truck | 1 | 82 | 10% | 665 | 10 |
| Graders | 1 | 85 | 40% | 665 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 690 | 10 |
| Welders | 1 | 74 | 40% | 690 | 10 |
| Signal Boards | 1 | 73 | 50% | 715 | 10 |
| Scrapers | 1 | 84 | 40% | 715 | 10 |
| Rubber-tired Dozers | 1 | 82 | 40% | 740 | 10 |
| Rubber-tired Loaders | 1 | 79 | 40% | 740 | 10 |
| Bore/Drill Rig | 1 | 84 | 20% | 765 | 10 |
| Excavator | 3 | 81 | 40% | 765 | 10 |
| Graders | 2 | 85 | 40% | 790 | 10 |
| Welders | 1 | 74 | 40% | 790 | 10 |
| Scrapers | 1 | 84 | 40% | 815 | 10 |
| Dozers | 1 | 82 | 40% | 815 | 10 |
| Loaders | 1 | 79 | 40% | 840 | 10 |

Total # of equipment: 20

Receptor: R3

Results:
1-hour Leq: 57.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Foundation
Months 9-12**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Graders | 1 | 85 | 40% | 640 | 10 |
| Dozers | 1 | 82 | 40% | 640 | 10 |
| Air Compressor | 1 | 78 | 40% | 665 | 10 |
| Loaders | 1 | 79 | 40% | 665 | 10 |
| Signal Boards | 1 | 73 | 50% | 690 | 10 |
| Air Compressor | 1 | 78 | 40% | 690 | 10 |
| Air Compressor | 1 | 78 | 40% | 715 | 10 |
| Air Compressor | 1 | 78 | 40% | 715 | 10 |
| Air Compressor | 1 | 78 | 40% | 740 | 10 |
| Air Compressor | 1 | 78 | 40% | 740 | 10 |

Total # of equipment: 10

Receptor: R3

Results:
1-hour Leq: 53.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Structure
Montha 12-21**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 640 | 10 |
| Mixer | 1 | 79 | 40% | 640 | 10 |
| Concrete Saw | 1 | 90 | 20% | 665 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 665 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 690 | 10 |
| Forklifts | 1 | 75 | 20% | 690 | 10 |
| Plate Compactors | 1 | 83 | 20% | 715 | 10 |
| Signal Boards | 1 | 73 | 50% | 715 | 10 |
| Welders | 1 | 74 | 40% | 740 | 10 |
| Air Compressor | 1 | 78 | 40% | 740 | 10 |
| Mixer | 1 | 79 | 40% | 765 | 10 |
| Forklifts | 1 | 75 | 20% | 765 | 10 |
| Plate Compactors | 1 | 83 | 20% | 790 | 10 |
| Welders | 1 | 74 | 40% | 790 | 10 |
| Air Compressor | 2 | 78 | 40% | 815 | 10 |
| Mixer | 1 | 79 | 40% | 815 | 10 |
| Forklifts | 1 | 75 | 20% | 840 | 10 |
| Plate Compactors | 1 | 83 | 20% | 840 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R3

Results:
1-hour Leq: 54.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Interior Building
Months 21-25**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 640 | 10 |
| Aerial Lift | 1 | 75 | 20% | 640 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 665 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 665 | 10 |
| Forklifts | 1 | 75 | 20% | 690 | 10 |
| Signal Boards | 1 | 73 | 50% | 690 | 10 |
| Air Compressor | 1 | 78 | 40% | 715 | 10 |
| Aerial Lift | 1 | 75 | 20% | 715 | 10 |
| Forklifts | 1 | 75 | 20% | 740 | 10 |
| Air Compressor | 1 | 78 | 40% | 740 | 10 |
| Aerial Lift | 1 | 75 | 20% | 765 | 10 |
| Forklifts | 1 | 75 | 20% | 765 | 10 |
| Air Compressor | 1 | 78 | 40% | 790 | 10 |
| Aerial Lift | 1 | 75 | 20% | 790 | 10 |

Total # of equipment: 14

Receptor: R3

Results:
1-hour Leq: 49.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1b: Structure
Months 20-33**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 610 | 10 |
| Mixer | 1 | 79 | 40% | 610 | 10 |
| Concrete Saw | 1 | 90 | 20% | 635 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 635 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 660 | 10 |
| Forklifts | 1 | 75 | 20% | 660 | 10 |
| Plate Compactors | 1 | 83 | 20% | 685 | 10 |
| Signal Boards | 1 | 73 | 50% | 685 | 10 |
| Welders | 1 | 74 | 40% | 710 | 10 |
| Air Compressor | 1 | 78 | 40% | 710 | 10 |
| Mixer | 1 | 79 | 40% | 735 | 10 |
| Forklifts | 1 | 75 | 20% | 735 | 10 |
| Plate Compactors | 1 | 83 | 20% | 760 | 10 |
| Welders | 1 | 74 | 40% | 760 | 10 |
| Air Compressor | 2 | 78 | 40% | 785 | 10 |
| Mixer | 1 | 79 | 40% | 785 | 10 |
| Forklifts | 1 | 75 | 20% | 810 | 10 |
| Plate Compactors | 1 | 83 | 20% | 810 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R3

Results:
1-hour Leq: 55.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: *Phase 1b: Interior Building*
*Months 32-37***

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 610 | 10 |
| Aerial Lift | 1 | 75 | 20% | 610 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 635 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 635 | 10 |
| Forklifts | 1 | 75 | 20% | 660 | 10 |
| Signal Boards | 1 | 73 | 50% | 660 | 10 |
| Air Compressor | 1 | 78 | 40% | 685 | 10 |
| Aerial Lift | 1 | 75 | 20% | 685 | 10 |
| Forklifts | 1 | 75 | 20% | 710 | 10 |
| Air Compressor | 1 | 78 | 40% | 710 | 10 |
| Aerial Lift | 1 | 75 | 20% | 735 | 10 |
| Forklifts | 1 | 75 | 20% | 735 | 10 |
| Air Compressor | 1 | 78 | 40% | 760 | 10 |
| Aerial Lift | 1 | 75 | 20% | 760 | 10 |

Total # of equipment: 14

Receptor: R3

Results:
1-hour Leq: 50.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Structure
Months 25-36**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 740 | 10 |
| Mixer | 1 | 79 | 40% | 740 | 10 |
| Concrete Saw | 1 | 90 | 20% | 765 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 765 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 790 | 10 |
| Forklifts | 1 | 75 | 20% | 790 | 10 |
| Plate Compactors | 1 | 83 | 20% | 815 | 10 |
| Signal Boards | 1 | 73 | 50% | 815 | 10 |
| Welders | 1 | 74 | 40% | 840 | 10 |
| Air Compressor | 1 | 78 | 40% | 840 | 10 |
| Mixer | 1 | 79 | 40% | 865 | 10 |
| Forklifts | 1 | 75 | 20% | 865 | 10 |
| Plate Compactors | 1 | 83 | 20% | 890 | 10 |
| Welders | 1 | 74 | 40% | 890 | 10 |
| Air Compressor | 2 | 78 | 40% | 915 | 10 |
| Mixer | 1 | 79 | 40% | 915 | 10 |
| Forklifts | 1 | 75 | 20% | 940 | 10 |
| Plate Compactors | 1 | 83 | 20% | 940 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R3

Results:
1-hour Leq: 53.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Interior Building
Months 32-37**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 740 | 10 |
| Aerial Lift | 1 | 75 | 20% | 740 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 765 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 765 | 10 |
| Forklifts | 1 | 75 | 20% | 790 | 10 |
| Signal Boards | 1 | 73 | 50% | 790 | 10 |
| Air Compressor | 1 | 78 | 40% | 815 | 10 |
| Aerial Lift | 1 | 75 | 20% | 815 | 10 |
| Forklifts | 1 | 75 | 20% | 840 | 10 |
| Air Compressor | 1 | 78 | 40% | 840 | 10 |
| Aerial Lift | 1 | 75 | 20% | 865 | 10 |
| Forklifts | 1 | 75 | 20% | 865 | 10 |
| Air Compressor | 1 | 78 | 40% | 890 | 10 |
| Aerial Lift | 1 | 75 | 20% | 890 | 10 |

Total # of equipment: 14

Receptor: R3

Results:
1-hour Leq: 48.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Demolition
Months 27-28**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 430 | 10 |
| Concrete Saw | 1 | 90 | 20% | 430 | 10 |
| Excavator | 1 | 81 | 40% | 455 | 10 |
| Water Truck | 1 | 82 | 10% | 455 | 10 |
| Loaders | 1 | 79 | 40% | 480 | 10 |
| Signal Boards | 1 | 73 | 50% | 480 | 10 |
| Loaders | 1 | 79 | 40% | 505 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 505 | 10 |
| Trenches | 1 | 50 | 80% | 530 | 10 |
| Air Compressor | 1 | 78 | 40% | 530 | 10 |
| Concrete Saw | 1 | 90 | 20% | 555 | 10 |

Total # of equipment: 11

Receptor: R3

Results:
1-hour Leq: 58.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: AQMD Cleanup
Months 30-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Excavator | 1 | 81 | 40% | 430 | 10 |
| Water Truck | 1 | 82 | 10% | 430 | 10 |
| Rubber Tired Loaders | 1 | 79 | 40% | 455 | 10 |

Total # of equipment: 3

Receptor: R3

Results:
1-hour Leq: 51.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Grading
Months 29-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Dril Rig | 1 | 84 | 20% | 430 | 10 |
| Excavator | 1 | 81 | 40% | 430 | 10 |
| Graders | 1 | 85 | 40% | 455 | 10 |
| Water Truck | 1 | 82 | 10% | 455 | 10 |
| Dozers | 1 | 82 | 40% | 480 | 10 |
| Loaders | 1 | 79 | 40% | 480 | 10 |
| Signal Boards | 1 | 73 | 50% | 505 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 505 | 10 |
| Welders | 1 | 74 | 40% | 530 | 10 |
| Bore/Dril Rig | 1 | 84 | 20% | 530 | 10 |
| Excavator | 1 | 81 | 40% | 555 | 10 |

Total # of equipment: 11

Receptor: R3

Results:
1-hour Leq: 57.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Structure
Months 32-42**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 430 | 10 |
| Mixer | 1 | 79 | 40% | 430 | 10 |
| Concrete Saw | 1 | 90 | 20% | 455 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 455 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 480 | 10 |
| Forklifts | 2 | 75 | 20% | 480 | 10 |
| Plate Compactors | 1 | 83 | 20% | 505 | 10 |
| Signal Boards | 1 | 73 | 50% | 570 | 10 |
| Welders | 1 | 74 | 40% | 425 | 10 |
| Air Compressor | 1 | 78 | 40% | 425 | 10 |
| Mixer | 1 | 79 | 40% | 450 | 10 |
| Forklifts | 1 | 75 | 20% | 450 | 10 |
| Plate Compactors | 1 | 83 | 20% | 475 | 10 |
| Welders | 1 | 74 | 40% | 475 | 10 |
| Air Compressor | 1 | 78 | 40% | 500 | 10 |
| Mixer | 1 | 79 | 40% | 500 | 10 |
| Plate Compactors | 1 | 83 | 20% | 525 | 10 |
| Air Compressor | 1 | 78 | 40% | 525 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R3

Results:
1-hour Leq: 58.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Interior Building
Months 41 - 43**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 430 | 10 |
| Aerial Lift | 1 | 75 | 20% | 430 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 455 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 455 | 10 |
| Forklifts | 1 | 75 | 20% | 480 | 10 |
| Signal Boards | 1 | 73 | 50% | 480 | 10 |
| Air Compressor | 1 | 78 | 40% | 505 | 10 |
| Aerial Lift | 1 | 75 | 20% | 505 | 10 |
| Forklifts | 1 | 75 | 20% | 530 | 10 |
| Air Compressor | 1 | 78 | 40% | 530 | 10 |
| Aerial Lift | 1 | 75 | 20% | 555 | 10 |
| Forklifts | 1 | 75 | 20% | 555 | 10 |
| Air Compressor | 1 | 78 | 40% | 580 | 10 |
| Aerial Lift | 1 | 75 | 20% | 580 | 10 |

Total # of equipment: 14

Receptor: R3

Results:
1-hour Leq: 53.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: *Site: Landscape/Hardscape*
*Months 41-42***

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Mixer | 1 | 79 | 40% | 415 | 10 |
| Concrete Saw | 1 | 90 | 20% | 415 | 10 |
| Forklifts | 1 | 75 | 20% | 440 | 10 |
| Water Truck | 1 | 82 | 10% | 440 | 10 |
| Plate Compactors | 1 | 83 | 20% | 465 | 10 |
| Rollers | 1 | 80 | 20% | 465 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 490 | 10 |
| Signal Boards | 1 | 73 | 50% | 490 | 10 |
| Loaders | 1 | 79 | 40% | 515 | 10 |
| Trenches | 1 | 50 | 80% | 515 | 10 |

Total # of equipment: 10

Receptor: R3

Results:
1-hour Leq: 57.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0A: Demolition
Months 1-2**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 480 | 10 |
| Excavator | 1 | 81 | 40% | 480 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 505 | 10 |
| Air Compressor | 1 | 78 | 40% | 505 | 10 |
| Paving Equipment | 1 | 77 | 50% | 530 | 10 |
| Water Truck | 1 | 82 | 10% | 530 | 10 |
| Trenches | 1 | 50 | 80% | 555 | 10 |
| Rubber-tired Dozers | 1 | 82 | 40% | 555 | 10 |
| Air Compressor | 1 | 78 | 40% | 580 | 10 |
| Concrete Saw | 1 | 90 | 20% | 580 | 10 |
| Excavator | 1 | 81 | 40% | 605 | 10 |
| Air Compressor | 1 | 78 | 40% | 605 | 10 |
| Paving Equipment | 1 | 78 | 40% | 630 | 10 |
| Excavator | 1 | 81 | 40% | 630 | 10 |
| Air Compressor | 1 | 78 | 40% | 655 | 10 |
| Air Compressor | 1 | 78 | 40% | 655 | 10 |
| | | | 40% | | |
| Total # of equipment: | 16 | | | | |

Receptor: R4

Results:
1-hour Leq: 58.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0B: Utility Relocation & Temp Parking Stackers
Month 3**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 655 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Concrete Saw | 1 | 90 | 20% | 680 | 10 |
| Air Compressor | 1 | 78 | 40% | 680 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Air Compressor | 1 | 78 | 40% | 705 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |

Total # of equipment: 8

Receptor: R4

Results:
1-hour Leq: 54.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Grading
Months 5-9**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Drill Rig | 1 | 84 | 20% | 480 | 10 |
| Excavator | 1 | 81 | 40% | 480 | 10 |
| Water Truck | 1 | 82 | 10% | 505 | 10 |
| Graders | 1 | 85 | 40% | 505 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 530 | 10 |
| Welders | 1 | 74 | 40% | 530 | 10 |
| Signal Boards | 1 | 73 | 50% | 555 | 10 |
| Scrapers | 1 | 84 | 40% | 555 | 10 |
| Rubber-tired Dozers | 1 | 82 | 40% | 580 | 10 |
| Rubber-tired Loaders | 1 | 79 | 40% | 580 | 10 |
| Bore/Drill Rig | 1 | 84 | 20% | 605 | 10 |
| Excavator | 3 | 81 | 40% | 605 | 10 |
| Graders | 2 | 85 | 40% | 630 | 10 |
| Welders | 1 | 74 | 40% | 630 | 10 |
| Scrapers | 1 | 84 | 40% | 655 | 10 |
| Dozers | 1 | 82 | 40% | 655 | 10 |
| Loaders | 1 | 79 | 40% | 680 | 10 |

Total # of equipment: 20

Receptor: R4

Results:
1-hour Leq: 59.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

Construction Phase: *Phase 1a: Foundation*
Months 9-12

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Graders | 1 | 85 | 40% | 480 | 10 |
| Dozers | 1 | 82 | 40% | 480 | 10 |
| Air Compressor | 1 | 78 | 40% | 505 | 10 |
| Loaders | 1 | 79 | 40% | 505 | 10 |
| Signal Boards | 1 | 73 | 50% | 530 | 10 |
| Air Compressor | 1 | 78 | 40% | 530 | 10 |
| Air Compressor | 1 | 78 | 40% | 555 | 10 |
| Air Compressor | 1 | 78 | 40% | 555 | 10 |
| Air Compressor | 1 | 78 | 40% | 580 | 10 |
| Air Compressor | 1 | 78 | 40% | 580 | 10 |

Total # of equipment: 10

Receptor: *R4*

Results:
1-hour Leq: 55.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Structure
Montha 12-21**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 480 | 10 |
| Mixer | 1 | 79 | 40% | 480 | 10 |
| Concrete Saw | 1 | 90 | 20% | 505 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 505 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 530 | 10 |
| Forklifts | 1 | 75 | 20% | 530 | 10 |
| Plate Compactors | 1 | 83 | 20% | 555 | 10 |
| Signal Boards | 1 | 73 | 50% | 555 | 10 |
| Welders | 1 | 74 | 40% | 580 | 10 |
| Air Compressor | 1 | 78 | 40% | 580 | 10 |
| Mixer | 1 | 79 | 40% | 605 | 10 |
| Forklifts | 1 | 75 | 20% | 605 | 10 |
| Plate Compactors | 1 | 83 | 20% | 630 | 10 |
| Welders | 1 | 74 | 40% | 630 | 10 |
| Air Compressor | 2 | 78 | 40% | 655 | 10 |
| Mixer | 1 | 79 | 40% | 655 | 10 |
| Forklifts | 1 | 75 | 20% | 680 | 10 |
| Plate Compactors | 1 | 83 | 20% | 680 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R4

Results:
1-hour Leq: 57.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Interior Building
Months 21-25**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 480 | 10 |
| Aerial Lift | 1 | 75 | 20% | 480 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 505 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 505 | 10 |
| Forklifts | 1 | 75 | 20% | 530 | 10 |
| Signal Boards | 1 | 73 | 50% | 530 | 10 |
| Air Compressor | 1 | 78 | 40% | 555 | 10 |
| Aerial Lift | 1 | 75 | 20% | 555 | 10 |
| Forklifts | 1 | 75 | 20% | 580 | 10 |
| Air Compressor | 1 | 78 | 40% | 580 | 10 |
| Aerial Lift | 1 | 75 | 20% | 605 | 10 |
| Forklifts | 1 | 75 | 20% | 605 | 10 |
| Air Compressor | 1 | 78 | 40% | 630 | 10 |
| Aerial Lift | 1 | 75 | 20% | 630 | 10 |

Total # of equipment: 14

Receptor: R4

Results:
1-hour Leq: 52.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1b: Structure
Months 20-33**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 485 | 10 |
| Mixer | 1 | 79 | 40% | 485 | 10 |
| Concrete Saw | 1 | 90 | 20% | 510 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 510 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 535 | 10 |
| Forklifts | 1 | 75 | 20% | 535 | 10 |
| Plate Compactors | 1 | 83 | 20% | 560 | 10 |
| Signal Boards | 1 | 73 | 50% | 560 | 10 |
| Welders | 1 | 74 | 40% | 585 | 10 |
| Air Compressor | 1 | 78 | 40% | 585 | 10 |
| Mixer | 1 | 79 | 40% | 610 | 10 |
| Forklifts | 1 | 75 | 20% | 610 | 10 |
| Plate Compactors | 1 | 83 | 20% | 635 | 10 |
| Welders | 1 | 74 | 40% | 635 | 10 |
| Air Compressor | 2 | 78 | 40% | 660 | 10 |
| Mixer | 1 | 79 | 40% | 660 | 10 |
| Forklifts | 1 | 75 | 20% | 685 | 10 |
| Plate Compactors | 1 | 83 | 20% | 685 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R4

Results:
1-hour Leq: 56.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: *Phase 1b: Interior Building*
*Months 32-37***

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 485 | 10 |
| Aerial Lift | 1 | 75 | 20% | 485 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 510 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 510 | 10 |
| Forklifts | 1 | 75 | 20% | 535 | 10 |
| Signal Boards | 1 | 73 | 50% | 535 | 10 |
| Air Compressor | 1 | 78 | 40% | 560 | 10 |
| Aerial Lift | 1 | 75 | 20% | 560 | 10 |
| Forklifts | 1 | 75 | 20% | 585 | 10 |
| Air Compressor | 1 | 78 | 40% | 585 | 10 |
| Aerial Lift | 1 | 75 | 20% | 610 | 10 |
| Forklifts | 1 | 75 | 20% | 610 | 10 |
| Air Compressor | 1 | 78 | 40% | 635 | 10 |
| Aerial Lift | 1 | 75 | 20% | 635 | 10 |

Total # of equipment: 14

Receptor: R4

Results:
1-hour Leq: 52.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Structure
Months 25-36**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 680 | 10 |
| Mixer | 1 | 79 | 40% | 680 | 10 |
| Concrete Saw | 1 | 90 | 20% | 705 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 705 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 730 | 10 |
| Forklifts | 1 | 75 | 20% | 730 | 10 |
| Plate Compactors | 1 | 83 | 20% | 755 | 10 |
| Signal Boards | 1 | 73 | 50% | 755 | 10 |
| Welders | 1 | 74 | 40% | 780 | 10 |
| Air Compressor | 1 | 78 | 40% | 780 | 10 |
| Mixer | 1 | 79 | 40% | 805 | 10 |
| Forklifts | 1 | 75 | 20% | 805 | 10 |
| Plate Compactors | 1 | 83 | 20% | 830 | 10 |
| Welders | 1 | 74 | 40% | 830 | 10 |
| Air Compressor | 2 | 78 | 40% | 855 | 10 |
| Mixer | 1 | 79 | 40% | 855 | 10 |
| Forklifts | 1 | 75 | 20% | 880 | 10 |
| Plate Compactors | 1 | 83 | 20% | 880 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R4

Results:
1-hour Leq: 54.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Interior Building
Months 32-37**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 680 | 10 |
| Aerial Lift | 1 | 75 | 20% | 680 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 705 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 705 | 10 |
| Forklifts | 1 | 75 | 20% | 730 | 10 |
| Signal Boards | 1 | 73 | 50% | 730 | 10 |
| Air Compressor | 1 | 78 | 40% | 755 | 10 |
| Aerial Lift | 1 | 75 | 20% | 500 | 10 |
| Forklifts | 1 | 75 | 20% | 485 | 10 |
| Air Compressor | 1 | 78 | 40% | 485 | 10 |
| Aerial Lift | 1 | 75 | 20% | 510 | 10 |
| Forklifts | 1 | 75 | 20% | 510 | 10 |
| Air Compressor | 1 | 78 | 40% | 535 | 10 |
| Aerial Lift | 1 | 75 | 20% | 535 | 10 |

Total # of equipment: 14

Receptor: R4

Results:
1-hour Leq: 51.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Demolition
Months 27-28**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 675 | 10 |
| Concrete Saw | 1 | 90 | 20% | 675 | 10 |
| Excavator | 1 | 81 | 40% | 700 | 10 |
| Water Truck | 1 | 82 | 10% | 700 | 10 |
| Loaders | 1 | 79 | 40% | 725 | 10 |
| Signal Boards | 1 | 73 | 50% | 725 | 10 |
| Loaders | 1 | 79 | 40% | 750 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 750 | 10 |
| Trenches | 1 | 50 | 80% | 775 | 10 |
| Air Compressor | 1 | 78 | 40% | 775 | 10 |
| Concrete Saw | 1 | 90 | 20% | 800 | 10 |

Total # of equipment: 11

Receptor: R4

Results:
1-hour Leq: 54.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: AQMD Cleanup
Months 30-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Excavator | 1 | 81 | 40% | 675 | 10 |
| Water Truck | 1 | 82 | 10% | 675 | 10 |
| Rubber Tired Loaders | 1 | 79 | 40% | 700 | 10 |

Total # of equipment: 3

Receptor: R4

Results:
1-hour Leq: 47.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Grading
Months 29-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Dril Rig | 1 | 84 | 20% | 675 | 10 |
| Excavator | 1 | 81 | 40% | 675 | 10 |
| Graders | 1 | 85 | 40% | 700 | 10 |
| Water Truck | 1 | 82 | 10% | 700 | 10 |
| Dozers | 1 | 82 | 40% | 725 | 10 |
| Loaders | 1 | 79 | 40% | 725 | 10 |
| Signal Boards | 1 | 73 | 50% | 750 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 750 | 10 |
| Welders | 1 | 74 | 40% | 775 | 10 |
| Bore/Dril Rig | 1 | 84 | 20% | 775 | 10 |
| Excavator | 1 | 81 | 40% | 800 | 10 |

Total # of equipment: 11

Receptor: R4

Results:
1-hour Leq: 53.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Structure
Months 32-42**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 675 | 10 |
| Mixer | 1 | 79 | 40% | 675 | 10 |
| Concrete Saw | 1 | 90 | 20% | 700 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 700 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 725 | 10 |
| Forklifts | 2 | 75 | 20% | 725 | 10 |
| Plate Compactors | 1 | 83 | 20% | 750 | 10 |
| Signal Boards | 1 | 73 | 50% | 750 | 10 |
| Welders | 1 | 74 | 40% | 775 | 10 |
| Air Compressor | 1 | 78 | 40% | 775 | 10 |
| Mixer | 1 | 79 | 40% | 800 | 10 |
| Forklifts | 1 | 75 | 20% | 800 | 10 |
| Plate Compactors | 1 | 83 | 20% | 825 | 10 |
| Welders | 1 | 74 | 40% | 825 | 10 |
| Air Compressor | 1 | 78 | 40% | 850 | 10 |
| Mixer | 1 | 79 | 40% | 850 | 10 |
| Plate Compactors | 1 | 83 | 20% | 875 | 10 |
| Air Compressor | 1 | 78 | 40% | 875 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R4

Results:
1-hour Leq: 54.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Interior Building
Months 41 - 43**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 675 | 10 |
| Aerial Lift | 1 | 75 | 20% | 675 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 700 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 700 | 10 |
| Forklifts | 1 | 75 | 20% | 725 | 10 |
| Signal Boards | 1 | 73 | 50% | 725 | 10 |
| Air Compressor | 1 | 78 | 40% | 750 | 10 |
| Aerial Lift | 1 | 75 | 20% | 750 | 10 |
| Forklifts | 1 | 75 | 20% | 775 | 10 |
| Air Compressor | 1 | 78 | 40% | 775 | 10 |
| Aerial Lift | 1 | 75 | 20% | 800 | 10 |
| Forklifts | 1 | 75 | 20% | 800 | 10 |
| Air Compressor | 1 | 78 | 40% | 825 | 10 |
| Aerial Lift | 1 | 75 | 20% | 825 | 10 |

Total # of equipment: 14

Receptor: R4

Results:
1-hour Leq: 49.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: *Site: Landscape/Hardscape*
*Months 41-42***

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Mixer | 1 | 79 | 40% | 480 | 0 |
| Concrete Saw | 1 | 90 | 20% | 480 | 0 |
| Forklifts | 1 | 75 | 20% | 505 | 0 |
| Water Truck | 1 | 82 | 10% | 505 | 0 |
| Plate Compactors | 1 | 83 | 20% | 530 | 0 |
| Rollers | 1 | 80 | 20% | 530 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 555 | 0 |
| Signal Boards | 1 | 73 | 50% | 555 | 0 |
| Loaders | 1 | 79 | 40% | 580 | 0 |
| Trenches | 1 | 50 | 80% | 580 | 0 |

Total # of equipment: 10

Receptor: *R4*

Results:
1-hour Leq: 66.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0A: Demolition
Months 1-2**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 260 | 10 |
| Excavator | 1 | 81 | 40% | 260 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 285 | 10 |
| Air Compressor | 1 | 78 | 40% | 285 | 10 |
| Paving Equipment | 1 | 77 | 50% | 310 | 10 |
| Water Truck | 1 | 82 | 10% | 310 | 10 |
| Trenches | 1 | 50 | 80% | 335 | 10 |
| Rubber-tired Dozers | 1 | 82 | 40% | 335 | 10 |
| Air Compressor | 1 | 78 | 40% | 360 | 10 |
| Concrete Saw | 1 | 90 | 20% | 360 | 10 |
| Excavator | 1 | 81 | 40% | 385 | 10 |
| Air Compressor | 1 | 78 | 40% | 385 | 10 |
| Paving Equipment | 1 | 78 | 40% | 410 | 10 |
| Excavator | 1 | 81 | 40% | 410 | 10 |
| Air Compressor | 1 | 78 | 40% | 435 | 10 |
| Air Compressor | 1 | 78 | 40% | 435 | 10 |
| | | | 40% | | |
| Total # of equipment: | 16 | | | | |

Receptor: R5

Results:
1-hour Leq: 63.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0B: Utility Relocation & Temp Parking Stackers
Month 3**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 575 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Concrete Saw | 1 | 90 | 20% | 600 | 10 |
| Air Compressor | 1 | 78 | 40% | 600 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Air Compressor | 1 | 78 | 40% | 625 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |

Total # of equipment: 8

Receptor: R5

Results:
1-hour Leq: 55.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Grading
Months 5-9**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Drill Rig | 1 | 84 | 20% | 260 | 10 |
| Excavator | 1 | 81 | 40% | 260 | 10 |
| Water Truck | 1 | 82 | 10% | 285 | 10 |
| Graders | 1 | 85 | 40% | 285 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 310 | 10 |
| Welders | 1 | 74 | 40% | 310 | 10 |
| Signal Boards | 1 | 73 | 50% | 335 | 10 |
| Scrapers | 1 | 84 | 40% | 335 | 10 |
| Rubber-tired Dozers | 1 | 82 | 40% | 360 | 10 |
| Rubber-tired Loaders | 1 | 79 | 40% | 360 | 10 |
| Bore/Drill Rig | 1 | 84 | 20% | 385 | 10 |
| Excavator | 3 | 81 | 40% | 385 | 10 |
| Graders | 2 | 85 | 40% | 410 | 10 |
| Welders | 1 | 74 | 40% | 410 | 10 |
| Scrapers | 1 | 84 | 40% | 435 | 10 |
| Dozers | 1 | 82 | 40% | 435 | 10 |
| Loaders | 1 | 79 | 40% | 460 | 10 |

Total # of equipment: 20

Receptor: R5

Results:
1-hour Leq: 63.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

Construction Phase: *Phase 1a: Foundation*
Months 9-12

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Graders | 1 | 85 | 40% | 260 | 10 |
| Dozers | 1 | 82 | 40% | 260 | 10 |
| Air Compressor | 1 | 78 | 40% | 285 | 10 |
| Loaders | 1 | 79 | 40% | 285 | 10 |
| Signal Boards | 1 | 73 | 50% | 310 | 10 |
| Air Compressor | 1 | 78 | 40% | 310 | 10 |
| Air Compressor | 1 | 78 | 40% | 335 | 10 |
| Air Compressor | 1 | 78 | 40% | 335 | 10 |
| Air Compressor | 1 | 78 | 40% | 360 | 10 |
| Air Compressor | 1 | 78 | 40% | 360 | 10 |

Total # of equipment: 10

Receptor: R5

Results:
1-hour Leq: 60.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Structure
Montha 12-21**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 260 | 10 |
| Mixer | 1 | 79 | 40% | 260 | 10 |
| Concrete Saw | 1 | 90 | 20% | 285 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 285 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 310 | 10 |
| Forklifts | 1 | 75 | 20% | 310 | 10 |
| Plate Compactors | 1 | 83 | 20% | 335 | 10 |
| Signal Boards | 1 | 73 | 50% | 335 | 10 |
| Welders | 1 | 74 | 40% | 360 | 10 |
| Air Compressor | 1 | 78 | 40% | 360 | 10 |
| Mixer | 1 | 79 | 40% | 385 | 10 |
| Forklifts | 1 | 75 | 20% | 385 | 10 |
| Plate Compactors | 1 | 83 | 20% | 410 | 10 |
| Welders | 1 | 74 | 40% | 410 | 10 |
| Air Compressor | 2 | 78 | 40% | 435 | 10 |
| Mixer | 1 | 79 | 40% | 435 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Plate Compactors | 1 | 83 | 20% | 460 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R5

Results:
1-hour Leq: 61.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Interior Building
Months 21-25**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 260 | 10 |
| Aerial Lift | 1 | 75 | 20% | 260 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 285 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 285 | 10 |
| Forklifts | 1 | 75 | 20% | 310 | 10 |
| Signal Boards | 1 | 73 | 50% | 310 | 10 |
| Air Compressor | 1 | 78 | 40% | 335 | 10 |
| Aerial Lift | 1 | 75 | 20% | 335 | 10 |
| Forklifts | 1 | 75 | 20% | 360 | 10 |
| Air Compressor | 1 | 78 | 40% | 360 | 10 |
| Aerial Lift | 1 | 75 | 20% | 385 | 10 |
| Forklifts | 1 | 75 | 20% | 385 | 10 |
| Air Compressor | 1 | 78 | 40% | 410 | 10 |
| Aerial Lift | 1 | 75 | 20% | 410 | 10 |

Total # of equipment: 14

Receptor: R5

Results:
1-hour Leq: 56.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1b: Structure
Months 20-33**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 260 | 10 |
| Mixer | 1 | 79 | 40% | 260 | 10 |
| Concrete Saw | 1 | 90 | 20% | 285 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 285 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 310 | 10 |
| Forklifts | 1 | 75 | 20% | 310 | 10 |
| Plate Compactors | 1 | 83 | 20% | 335 | 10 |
| Signal Boards | 1 | 73 | 50% | 335 | 10 |
| Welders | 1 | 74 | 40% | 360 | 10 |
| Air Compressor | 1 | 78 | 40% | 360 | 10 |
| Mixer | 1 | 79 | 40% | 385 | 10 |
| Forklifts | 1 | 75 | 20% | 385 | 10 |
| Plate Compactors | 1 | 83 | 20% | 410 | 10 |
| Welders | 1 | 74 | 40% | 410 | 10 |
| Air Compressor | 2 | 78 | 40% | 435 | 10 |
| Mixer | 1 | 79 | 40% | 435 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Plate Compactors | 1 | 83 | 20% | 460 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R5

Results:
1-hour Leq: 61.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: *Phase 1b: Interior Building*
*Months 32-37***

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 260 | 10 |
| Aerial Lift | 1 | 75 | 20% | 260 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 285 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 285 | 10 |
| Forklifts | 1 | 75 | 20% | 310 | 10 |
| Signal Boards | 1 | 73 | 50% | 310 | 10 |
| Air Compressor | 1 | 78 | 40% | 335 | 10 |
| Aerial Lift | 1 | 75 | 20% | 335 | 10 |
| Forklifts | 1 | 75 | 20% | 360 | 10 |
| Air Compressor | 1 | 78 | 40% | 360 | 10 |
| Aerial Lift | 1 | 75 | 20% | 385 | 10 |
| Forklifts | 1 | 75 | 20% | 385 | 10 |
| Air Compressor | 1 | 78 | 40% | 410 | 10 |
| Aerial Lift | 1 | 75 | 20% | 410 | 10 |

Total # of equipment: 14

Receptor: R5

Results:
1-hour Leq: 56.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Structure
Months 25-36**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 490 | 10 |
| Mixer | 1 | 79 | 40% | 490 | 10 |
| Concrete Saw | 1 | 90 | 20% | 515 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 515 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 540 | 10 |
| Forklifts | 1 | 75 | 20% | 540 | 10 |
| Plate Compactors | 1 | 83 | 20% | 565 | 10 |
| Signal Boards | 1 | 73 | 50% | 565 | 10 |
| Welders | 1 | 74 | 40% | 590 | 10 |
| Air Compressor | 1 | 78 | 40% | 590 | 10 |
| Mixer | 1 | 79 | 40% | 615 | 10 |
| Forklifts | 1 | 75 | 20% | 615 | 10 |
| Plate Compactors | 1 | 83 | 20% | 640 | 10 |
| Welders | 1 | 74 | 40% | 640 | 10 |
| Air Compressor | 2 | 78 | 40% | 665 | 10 |
| Mixer | 1 | 79 | 40% | 665 | 10 |
| Forklifts | 1 | 75 | 20% | 690 | 10 |
| Plate Compactors | 1 | 83 | 20% | 690 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R5

Results:
1-hour Leq: 56.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Interior Building
Months 32-37**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 490 | 10 |
| Aerial Lift | 1 | 75 | 20% | 490 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 515 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 515 | 10 |
| Forklifts | 1 | 75 | 20% | 540 | 10 |
| Signal Boards | 1 | 73 | 50% | 540 | 10 |
| Air Compressor | 1 | 78 | 40% | 565 | 10 |
| Aerial Lift | 1 | 75 | 20% | 535 | 10 |
| Forklifts | 1 | 75 | 20% | 225 | 10 |
| Air Compressor | 1 | 78 | 40% | 225 | 10 |
| Aerial Lift | 1 | 75 | 20% | 250 | 10 |
| Forklifts | 1 | 75 | 20% | 250 | 10 |
| Air Compressor | 1 | 78 | 40% | 275 | 10 |
| Aerial Lift | 1 | 75 | 20% | 275 | 10 |

Total # of equipment: 14

Receptor: R5

Results:
1-hour Leq: 56.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Demolition
Months 27-28**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 690 | 10 |
| Concrete Saw | 1 | 90 | 20% | 690 | 10 |
| Excavator | 1 | 81 | 40% | 715 | 10 |
| Water Truck | 1 | 82 | 10% | 715 | 10 |
| Loaders | 1 | 79 | 40% | 740 | 10 |
| Signal Boards | 1 | 73 | 50% | 740 | 10 |
| Loaders | 1 | 79 | 40% | 765 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 765 | 10 |
| Trenches | 1 | 50 | 80% | 790 | 10 |
| Air Compressor | 1 | 78 | 40% | 790 | 10 |
| Concrete Saw | 1 | 90 | 20% | 815 | 10 |

Total # of equipment: 11

Receptor: R5

Results:
1-hour Leq: 54.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: AQMD Cleanup
Months 30-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Excavator | 1 | 81 | 40% | 690 | 10 |
| Water Truck | 1 | 82 | 10% | 690 | 10 |
| Rubber Tired Loaders | 1 | 79 | 40% | 715 | 10 |

Total # of equipment: 3

Receptor: R5

Results:
1-hour Leq: 47.0

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Grading
Months 29-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Dril Rig | 1 | 84 | 20% | 690 | 10 |
| Excavator | 1 | 81 | 40% | 690 | 10 |
| Graders | 1 | 85 | 40% | 715 | 10 |
| Water Truck | 1 | 82 | 10% | 715 | 10 |
| Dozers | 1 | 82 | 40% | 740 | 10 |
| Loaders | 1 | 79 | 40% | 740 | 10 |
| Signal Boards | 1 | 73 | 50% | 765 | 10 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 765 | 10 |
| Welders | 1 | 74 | 40% | 790 | 10 |
| Bore/Dril Rig | 1 | 84 | 20% | 790 | 10 |
| Excavator | 1 | 81 | 40% | 815 | 10 |

Total # of equipment: 11

Receptor: R5

Results:
1-hour Leq: 53.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Structure
Months 32-42**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 690 | 10 |
| Mixer | 1 | 79 | 40% | 690 | 10 |
| Concrete Saw | 1 | 90 | 20% | 715 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 715 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 740 | 10 |
| Forklifts | 2 | 75 | 20% | 740 | 10 |
| Plate Compactors | 1 | 83 | 20% | 765 | 10 |
| Signal Boards | 1 | 73 | 50% | 765 | 10 |
| Welders | 1 | 74 | 40% | 790 | 10 |
| Air Compressor | 1 | 78 | 40% | 790 | 10 |
| Mixer | 1 | 79 | 40% | 815 | 10 |
| Forklifts | 1 | 75 | 20% | 815 | 10 |
| Plate Compactors | 1 | 83 | 20% | 840 | 10 |
| Welders | 1 | 74 | 40% | 840 | 10 |
| Air Compressor | 1 | 78 | 40% | 865 | 10 |
| Mixer | 1 | 79 | 40% | 865 | 10 |
| Plate Compactors | 1 | 83 | 20% | 890 | 10 |
| Air Compressor | 1 | 78 | 40% | 890 | 10 |
| Total # of equipment: | 19 | | | | |

Receptor: R5

Results:
1-hour Leq: 54.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Interior Building
Months 41 - 43**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 690 | 10 |
| Aerial Lift | 1 | 75 | 20% | 690 | 10 |
| Cranes (tower) | 1 | 81 | 16% | 715 | 10 |
| Cranes (mobile) | 1 | 81 | 16% | 715 | 10 |
| Forklifts | 1 | 75 | 20% | 740 | 10 |
| Signal Boards | 1 | 73 | 50% | 740 | 10 |
| Air Compressor | 1 | 78 | 40% | 765 | 10 |
| Aerial Lift | 1 | 75 | 20% | 765 | 10 |
| Forklifts | 1 | 75 | 20% | 790 | 10 |
| Air Compressor | 1 | 78 | 40% | 790 | 10 |
| Aerial Lift | 1 | 75 | 20% | 815 | 10 |
| Forklifts | 1 | 75 | 20% | 815 | 10 |
| Air Compressor | 1 | 78 | 40% | 840 | 10 |
| Aerial Lift | 1 | 75 | 20% | 840 | 10 |

Total # of equipment: 14

Receptor: R5

Results:
1-hour Leq: 49.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

Construction Phase: *Site: Landscape/Hardscape*
Months 41-42

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Mixer | 1 | 79 | 40% | 260 | 0 |
| Concrete Saw | 1 | 90 | 20% | 260 | 0 |
| Forklifts | 1 | 75 | 20% | 285 | 0 |
| Water Truck | 1 | 82 | 10% | 285 | 0 |
| Plate Compactors | 1 | 83 | 20% | 310 | 0 |
| Rollers | 1 | 80 | 20% | 310 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 335 | 0 |
| Signal Boards | 1 | 73 | 50% | 335 | 0 |
| Loaders | 1 | 79 | 40% | 360 | 0 |
| Trenches | 1 | 50 | 80% | 360 | 0 |

Total # of equipment: 10

Receptor: R5

Results:
1-hour Leq: 71.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0A: Demolition
Months 1-2**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 330 | 5 |
| Excavator | 1 | 81 | 40% | 330 | 5 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 355 | 5 |
| Air Compressor | 1 | 78 | 40% | 355 | 5 |
| Paving Equipment | 1 | 77 | 50% | 380 | 5 |
| Water Truck | 1 | 82 | 10% | 380 | 5 |
| Trenches | 1 | 50 | 80% | 405 | 5 |
| Rubber-tired Dozers | 1 | 82 | 40% | 405 | 5 |
| Air Compressor | 1 | 78 | 40% | 430 | 5 |
| Concrete Saw | 1 | 90 | 20% | 430 | 5 |
| Excavator | 1 | 81 | 40% | 455 | 5 |
| Air Compressor | 1 | 78 | 40% | 455 | 5 |
| Paving Equipment | 1 | 78 | 40% | 480 | 5 |
| Excavator | 1 | 81 | 40% | 480 | 5 |
| Air Compressor | 1 | 78 | 40% | 505 | 5 |
| Air Compressor | 1 | 78 | 40% | 505 | 5 |

Total # of equipment: 16

Receptor: R6

Results:
1-hour Leq: 66.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0B: Utility Relocation & Temp Parking Stackers
Month 3**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 610 | 5 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Concrete Saw | 1 | 90 | 20% | 635 | 5 |
| Air Compressor | 1 | 78 | 40% | 635 | 5 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Air Compressor | 1 | 78 | 40% | 660 | 5 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |

Total # of equipment: 8

Receptor: R6

Results:
1-hour Leq: 59.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Grading
Months 5-9**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Drill Rig | 1 | 84 | 20% | 225 | 5 |
| Excavator | 1 | 81 | 40% | 225 | 5 |
| Water Truck | 1 | 82 | 10% | 250 | 5 |
| Graders | 1 | 85 | 40% | 250 | 5 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 275 | 5 |
| Welders | 1 | 74 | 40% | 275 | 5 |
| Signal Boards | 1 | 73 | 50% | 300 | 5 |
| Scrapers | 1 | 84 | 40% | 300 | 5 |
| Rubber-tired Dozers | 1 | 82 | 40% | 325 | 5 |
| Rubber-tired Loaders | 1 | 79 | 40% | 325 | 5 |
| Bore/Drill Rig | 1 | 84 | 20% | 350 | 5 |
| Excavator | 3 | 81 | 40% | 350 | 5 |
| Graders | 2 | 85 | 40% | 375 | 5 |
| Welders | 1 | 74 | 40% | 375 | 5 |
| Scrapers | 1 | 84 | 40% | 400 | 5 |
| Dozers | 1 | 82 | 40% | 400 | 5 |
| Loaders | 1 | 79 | 40% | 425 | 5 |

Total # of equipment: 20

Receptor: R6

Results:
1-hour Leq: 69.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Foundation
Months 9-12**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Graders | 1 | 85 | 40% | 225 | 5 |
| Dozers | 1 | 82 | 40% | 225 | 5 |
| Air Compressor | 1 | 78 | 40% | 250 | 5 |
| Loaders | 1 | 79 | 40% | 250 | 5 |
| Signal Boards | 1 | 73 | 50% | 275 | 5 |
| Air Compressor | 1 | 78 | 40% | 275 | 5 |
| Air Compressor | 1 | 78 | 40% | 300 | 5 |
| Air Compressor | 1 | 78 | 40% | 300 | 5 |
| Air Compressor | 1 | 78 | 40% | 325 | 5 |
| Air Compressor | 1 | 78 | 40% | 325 | 5 |

Total # of equipment: 10

Receptor: R6

Results:
1-hour Leq: 66.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Structure
Montha 12-21**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 225 | 5 |
| Mixer | 1 | 79 | 40% | 225 | 5 |
| Concrete Saw | 1 | 90 | 20% | 250 | 5 |
| Cranes (tower) | 1 | 81 | 16% | 250 | 5 |
| Cranes (mobile) | 1 | 81 | 16% | 275 | 5 |
| Forklifts | 1 | 75 | 20% | 275 | 5 |
| Plate Compactors | 1 | 83 | 20% | 300 | 5 |
| Signal Boards | 1 | 73 | 50% | 300 | 5 |
| Welders | 1 | 74 | 40% | 325 | 5 |
| Air Compressor | 1 | 78 | 40% | 325 | 5 |
| Mixer | 1 | 79 | 40% | 350 | 5 |
| Forklifts | 1 | 75 | 20% | 350 | 5 |
| Plate Compactors | 1 | 83 | 20% | 375 | 5 |
| Welders | 1 | 74 | 40% | 375 | 5 |
| Air Compressor | 2 | 78 | 40% | 400 | 5 |
| Mixer | 1 | 79 | 40% | 400 | 5 |
| Forklifts | 1 | 75 | 20% | 425 | 5 |
| Plate Compactors | 1 | 83 | 20% | 425 | 5 |
| Total # of equipment: | 19 | | | | |

Receptor: R6

Results:
1-hour Leq: 67.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Interior Building
Months 21-25**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 225 | 5 |
| Aerial Lift | 1 | 75 | 20% | 225 | 5 |
| Cranes (tower) | 1 | 81 | 16% | 250 | 5 |
| Cranes (mobile) | 1 | 81 | 16% | 250 | 5 |
| Forklifts | 1 | 75 | 20% | 275 | 5 |
| Signal Boards | 1 | 73 | 50% | 275 | 5 |
| Air Compressor | 1 | 78 | 40% | 300 | 5 |
| Aerial Lift | 1 | 75 | 20% | 300 | 5 |
| Forklifts | 1 | 75 | 20% | 325 | 5 |
| Air Compressor | 1 | 78 | 40% | 325 | 5 |
| Aerial Lift | 1 | 75 | 20% | 350 | 5 |
| Forklifts | 1 | 75 | 20% | 350 | 5 |
| Air Compressor | 1 | 78 | 40% | 375 | 5 |
| Aerial Lift | 1 | 75 | 20% | 375 | 5 |

Total # of equipment: 14

Receptor: R6

Results:
1-hour Leq: 62.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1b: Structure
Months 20-33**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 275 | 5 |
| Mixer | 1 | 79 | 40% | 275 | 5 |
| Concrete Saw | 1 | 90 | 20% | 300 | 5 |
| Cranes (tower) | 1 | 81 | 16% | 300 | 5 |
| Cranes (mobile) | 1 | 81 | 16% | 325 | 5 |
| Forklifts | 1 | 75 | 20% | 325 | 5 |
| Plate Compactors | 1 | 83 | 20% | 350 | 5 |
| Signal Boards | 1 | 73 | 50% | 350 | 5 |
| Welders | 1 | 74 | 40% | 375 | 5 |
| Air Compressor | 1 | 78 | 40% | 375 | 5 |
| Mixer | 1 | 79 | 40% | 400 | 5 |
| Forklifts | 1 | 75 | 20% | 400 | 5 |
| Plate Compactors | 1 | 83 | 20% | 425 | 5 |
| Welders | 1 | 74 | 40% | 425 | 5 |
| Air Compressor | 2 | 78 | 40% | 450 | 5 |
| Mixer | 1 | 79 | 40% | 450 | 5 |
| Forklifts | 1 | 75 | 20% | 475 | 5 |
| Plate Compactors | 1 | 83 | 20% | 475 | 5 |
| Total # of equipment: | 19 | | | | |

Receptor: R6

Results:
1-hour Leq: 66.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: *Phase 1b: Interior Building*
*Months 32-37***

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 275 | 5 |
| Aerial Lift | 1 | 75 | 20% | 275 | 5 |
| Cranes (tower) | 1 | 81 | 16% | 300 | 5 |
| Cranes (mobile) | 1 | 81 | 16% | 300 | 5 |
| Forklifts | 1 | 75 | 20% | 325 | 5 |
| Signal Boards | 1 | 73 | 50% | 325 | 5 |
| Air Compressor | 1 | 78 | 40% | 350 | 5 |
| Aerial Lift | 1 | 75 | 20% | 350 | 5 |
| Forklifts | 1 | 75 | 20% | 375 | 5 |
| Air Compressor | 1 | 78 | 40% | 375 | 5 |
| Aerial Lift | 1 | 75 | 20% | 400 | 5 |
| Forklifts | 1 | 75 | 20% | 400 | 5 |
| Air Compressor | 1 | 78 | 40% | 425 | 5 |
| Aerial Lift | 1 | 75 | 20% | 425 | 5 |

Total # of equipment: 14

Receptor: R6

Results:
1-hour Leq: 61.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Structure
Months 25-36**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 450 | 5 |
| Mixer | 1 | 79 | 40% | 450 | 5 |
| Concrete Saw | 1 | 90 | 20% | 475 | 5 |
| Cranes (tower) | 1 | 81 | 16% | 475 | 5 |
| Cranes (mobile) | 1 | 81 | 16% | 500 | 5 |
| Forklifts | 1 | 75 | 20% | 500 | 5 |
| Plate Compactors | 1 | 83 | 20% | 525 | 5 |
| Signal Boards | 1 | 73 | 50% | 525 | 5 |
| Welders | 1 | 74 | 40% | 550 | 5 |
| Air Compressor | 1 | 78 | 40% | 550 | 5 |
| Mixer | 1 | 79 | 40% | 575 | 5 |
| Forklifts | 1 | 75 | 20% | 575 | 5 |
| Plate Compactors | 1 | 83 | 20% | 600 | 5 |
| Welders | 1 | 74 | 40% | 600 | 5 |
| Air Compressor | 2 | 78 | 40% | 625 | 5 |
| Mixer | 1 | 79 | 40% | 625 | 5 |
| Forklifts | 1 | 75 | 20% | 650 | 5 |
| Plate Compactors | 1 | 83 | 20% | 650 | 5 |
| Total # of equipment: | 19 | | | | |

Receptor: R6

Results:
1-hour Leq: 62.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Interior Building
Months 32-37**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 450 | 5 |
| Aerial Lift | 1 | 75 | 20% | 450 | 5 |
| Cranes (tower) | 1 | 81 | 16% | 475 | 5 |
| Cranes (mobile) | 1 | 81 | 16% | 475 | 5 |
| Forklifts | 1 | 75 | 20% | 500 | 5 |
| Signal Boards | 1 | 73 | 50% | 500 | 5 |
| Air Compressor | 1 | 78 | 40% | 525 | 5 |
| Aerial Lift | 1 | 75 | 20% | 475 | 5 |
| Forklifts | 1 | 75 | 20% | 190 | 5 |
| Air Compressor | 1 | 78 | 40% | 190 | 5 |
| Aerial Lift | 1 | 75 | 20% | 215 | 5 |
| Forklifts | 1 | 75 | 20% | 215 | 5 |
| Air Compressor | 1 | 78 | 40% | 240 | 5 |
| Aerial Lift | 1 | 75 | 20% | 240 | 5 |

Total # of equipment: 14

Receptor: R6

Results:
1-hour Leq: 62.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Demolition
Months 27-28**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 605 | 5 |
| Concrete Saw | 1 | 90 | 20% | 605 | 5 |
| Excavator | 1 | 81 | 40% | 630 | 5 |
| Water Truck | 1 | 82 | 10% | 630 | 5 |
| Loaders | 1 | 79 | 40% | 655 | 5 |
| Signal Boards | 1 | 73 | 50% | 655 | 5 |
| Loaders | 1 | 79 | 40% | 680 | 5 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 680 | 5 |
| Trenches | 1 | 50 | 80% | 705 | 5 |
| Air Compressor | 1 | 78 | 40% | 705 | 5 |
| Concrete Saw | 1 | 90 | 20% | 730 | 5 |

Total # of equipment: 11

Receptor: R6

Results:
1-hour Leq: 60.7

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: AQMD Cleanup
Months 30-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Excavator | 1 | 81 | 40% | 605 | 5 |
| Water Truck | 1 | 82 | 10% | 605 | 5 |
| Rubber Tired Loaders | 1 | 79 | 40% | 630 | 5 |

Total # of equipment: 3

Receptor: R6

Results:
1-hour Leq: 53.1

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Grading
Months 29-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Dril Rig | 1 | 84 | 20% | 605 | 5 |
| Excavator | 1 | 81 | 40% | 605 | 5 |
| Graders | 1 | 85 | 40% | 630 | 5 |
| Water Truck | 1 | 82 | 10% | 630 | 5 |
| Dozers | 1 | 82 | 40% | 655 | 5 |
| Loaders | 1 | 79 | 40% | 655 | 5 |
| Signal Boards | 1 | 73 | 50% | 680 | 5 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 680 | 5 |
| Welders | 1 | 74 | 40% | 705 | 5 |
| Bore/Dril Rig | 1 | 84 | 20% | 705 | 5 |
| Excavator | 1 | 81 | 40% | 730 | 5 |

Total # of equipment: 11

Receptor: R6

Results:
1-hour Leq: 59.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Structure
Months 32-42**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 605 | 5 |
| Mixer | 1 | 79 | 40% | 605 | 5 |
| Concrete Saw | 1 | 90 | 20% | 630 | 5 |
| Cranes (tower) | 1 | 81 | 16% | 630 | 5 |
| Cranes (mobile) | 1 | 81 | 16% | 655 | 5 |
| Forklifts | 2 | 75 | 20% | 655 | 5 |
| Plate Compactors | 1 | 83 | 20% | 680 | 5 |
| Signal Boards | 1 | 73 | 50% | 680 | 5 |
| Welders | 1 | 74 | 40% | 705 | 5 |
| Air Compressor | 1 | 78 | 40% | 705 | 5 |
| Mixer | 1 | 79 | 40% | 730 | 5 |
| Forklifts | 1 | 75 | 20% | 730 | 5 |
| Plate Compactors | 1 | 83 | 20% | 755 | 5 |
| Welders | 1 | 74 | 40% | 755 | 5 |
| Air Compressor | 1 | 78 | 40% | 780 | 5 |
| Mixer | 1 | 79 | 40% | 780 | 5 |
| Plate Compactors | 1 | 83 | 20% | 805 | 5 |
| Air Compressor | 1 | 78 | 40% | 805 | 5 |
| Total # of equipment: | 19 | | | | |

Receptor: R6

Results:
1-hour Leq: 60.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Interior Building
Months 41 - 43**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 605 | 5 |
| Aerial Lift | 1 | 75 | 20% | 605 | 5 |
| Cranes (tower) | 1 | 81 | 16% | 630 | 5 |
| Cranes (mobile) | 1 | 81 | 16% | 630 | 5 |
| Forklifts | 1 | 75 | 20% | 655 | 5 |
| Signal Boards | 1 | 73 | 50% | 655 | 5 |
| Air Compressor | 1 | 78 | 40% | 680 | 5 |
| Aerial Lift | 1 | 75 | 20% | 680 | 5 |
| Forklifts | 1 | 75 | 20% | 705 | 5 |
| Air Compressor | 1 | 78 | 40% | 705 | 5 |
| Aerial Lift | 1 | 75 | 20% | 730 | 5 |
| Forklifts | 1 | 75 | 20% | 730 | 5 |
| Air Compressor | 1 | 78 | 40% | 755 | 5 |
| Aerial Lift | 1 | 75 | 20% | 755 | 5 |

Total # of equipment: 14

Receptor: R6

Results:
1-hour Leq: 55.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

Construction Phase: *Site: Landscape/Hardscape*
Months 41-42

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Mixer | 1 | 79 | 40% | 225 | 0 |
| Concrete Saw | 1 | 90 | 20% | 225 | 0 |
| Forklifts | 1 | 75 | 20% | 250 | 0 |
| Water Truck | 1 | 82 | 10% | 250 | 0 |
| Plate Compactors | 1 | 83 | 20% | 275 | 0 |
| Rollers | 1 | 80 | 20% | 275 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 300 | 0 |
| Signal Boards | 1 | 73 | 50% | 300 | 0 |
| Loaders | 1 | 79 | 40% | 325 | 0 |
| Trenches | 1 | 50 | 80% | 325 | 0 |

Total # of equipment: 10

Receptor: R6

Results:
1-hour Leq: 72.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0A: Demolition
Months 1-2**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 275 | 0 |
| Excavator | 1 | 81 | 40% | 275 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 300 | 0 |
| Air Compressor | 1 | 78 | 40% | 300 | 0 |
| Paving Equipment | 1 | 77 | 50% | 325 | 0 |
| Water Truck | 1 | 82 | 10% | 325 | 0 |
| Trenches | 1 | 50 | 80% | 350 | 0 |
| Rubber-tired Dozers | 1 | 82 | 40% | 350 | 0 |
| Air Compressor | 1 | 78 | 40% | 375 | 0 |
| Concrete Saw | 1 | 90 | 20% | 375 | 0 |
| Excavator | 1 | 81 | 40% | 400 | 0 |
| Air Compressor | 1 | 78 | 40% | 400 | 0 |
| Paving Equipment | 1 | 78 | 40% | 425 | 0 |
| Excavator | 1 | 81 | 40% | 425 | 0 |
| Air Compressor | 1 | 78 | 40% | 450 | 0 |
| Air Compressor | 1 | 78 | 40% | 450 | 0 |
| | | | 40% | | |
| Total # of equipment: | 16 | | | | |

Receptor: R7

Results:
1-hour Leq: 72.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 0B: Utility Relocation & Temp Parking Stackers
Month 3**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Concrete Saw | 1 | 90 | 20% | 170 | 0 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Concrete Saw | 1 | 90 | 20% | 195 | 0 |
| Air Compressor | 1 | 78 | 40% | 195 | 0 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Air Compressor | 1 | 78 | 40% | 220 | 0 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |
| Forklifts | 1 | 75 | 20% | 460 | 10 |

Total # of equipment: 8

Receptor: R7

Results:
1-hour Leq: 75.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Grading
Months 5-9**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Drill Rig | 1 | 84 | 20% | 275 | 0 |
| Excavator | 1 | 81 | 40% | 275 | 0 |
| Water Truck | 1 | 82 | 10% | 300 | 0 |
| Graders | 1 | 85 | 40% | 300 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 325 | 0 |
| Welders | 1 | 74 | 40% | 325 | 0 |
| Signal Boards | 1 | 73 | 50% | 350 | 0 |
| Scrapers | 1 | 84 | 40% | 350 | 0 |
| Rubber-tired Dozers | 1 | 82 | 40% | 375 | 0 |
| Rubber-tired Loaders | 1 | 79 | 40% | 375 | 0 |
| Bore/Drill Rig | 1 | 84 | 20% | 400 | 0 |
| Excavator | 3 | 81 | 40% | 400 | 0 |
| Graders | 2 | 85 | 40% | 425 | 0 |
| Welders | 1 | 74 | 40% | 425 | 0 |
| Scrapers | 1 | 84 | 40% | 450 | 0 |
| Dozers | 1 | 82 | 40% | 450 | 0 |
| Loaders | 1 | 79 | 40% | 475 | 0 |

Total # of equipment: 20

Receptor: R7

Results:
1-hour Leq: 73.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: *Phase 1a: Foundation*
*Months 9-12***

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Graders | 1 | 85 | 40% | 275 | 0 |
| Dozers | 1 | 82 | 40% | 275 | 0 |
| Air Compressor | 1 | 78 | 40% | 300 | 0 |
| Loaders | 1 | 79 | 40% | 300 | 0 |
| Signal Boards | 1 | 73 | 50% | 325 | 0 |
| Air Compressor | 1 | 78 | 40% | 325 | 0 |
| Air Compressor | 1 | 78 | 40% | 350 | 0 |
| Air Compressor | 1 | 78 | 40% | 350 | 0 |
| Air Compressor | 1 | 78 | 40% | 375 | 0 |
| Air Compressor | 1 | 78 | 40% | 375 | 0 |

Total # of equipment: 10

Receptor: R7

Results:
1-hour Leq: 70.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Structure
Montha 12-21**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 275 | 0 |
| Mixer | 1 | 79 | 40% | 275 | 0 |
| Concrete Saw | 1 | 90 | 20% | 300 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 300 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 325 | 0 |
| Forklifts | 1 | 75 | 20% | 325 | 0 |
| Plate Compactors | 1 | 83 | 20% | 350 | 0 |
| Signal Boards | 1 | 73 | 50% | 350 | 0 |
| Welders | 1 | 74 | 40% | 375 | 0 |
| Air Compressor | 1 | 78 | 40% | 375 | 0 |
| Mixer | 1 | 79 | 40% | 400 | 0 |
| Forklifts | 1 | 75 | 20% | 400 | 0 |
| Plate Compactors | 1 | 83 | 20% | 425 | 0 |
| Welders | 1 | 74 | 40% | 425 | 0 |
| Air Compressor | 2 | 78 | 40% | 450 | 0 |
| Mixer | 1 | 79 | 40% | 450 | 0 |
| Forklifts | 1 | 75 | 20% | 475 | 0 |
| Plate Compactors | 1 | 83 | 20% | 475 | 0 |
| Total # of equipment: | 19 | | | | |

Receptor: R7

Results:
1-hour Leq: 71.2

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1a: Interior Building
Months 21-25**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 275 | 0 |
| Aerial Lift | 1 | 75 | 20% | 275 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 300 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 300 | 0 |
| Forklifts | 1 | 75 | 20% | 325 | 0 |
| Signal Boards | 1 | 73 | 50% | 325 | 0 |
| Air Compressor | 1 | 78 | 40% | 350 | 0 |
| Aerial Lift | 1 | 75 | 20% | 350 | 0 |
| Forklifts | 1 | 75 | 20% | 375 | 0 |
| Air Compressor | 1 | 78 | 40% | 375 | 0 |
| Aerial Lift | 1 | 75 | 20% | 400 | 0 |
| Forklifts | 1 | 75 | 20% | 400 | 0 |
| Air Compressor | 1 | 78 | 40% | 425 | 0 |
| Aerial Lift | 1 | 75 | 20% | 425 | 0 |

Total # of equipment: 14

Receptor: R7

Results:
1-hour Leq: 66.4

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 1b: Structure
Months 20-33**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 270 | 0 |
| Mixer | 1 | 79 | 40% | 270 | 0 |
| Concrete Saw | 1 | 90 | 20% | 295 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 295 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 320 | 0 |
| Forklifts | 1 | 75 | 20% | 320 | 0 |
| Plate Compactors | 1 | 83 | 20% | 345 | 0 |
| Signal Boards | 1 | 73 | 50% | 345 | 0 |
| Welders | 1 | 74 | 40% | 370 | 0 |
| Air Compressor | 1 | 78 | 40% | 370 | 0 |
| Mixer | 1 | 79 | 40% | 395 | 0 |
| Forklifts | 1 | 75 | 20% | 395 | 0 |
| Plate Compactors | 1 | 83 | 20% | 420 | 0 |
| Welders | 1 | 74 | 40% | 420 | 0 |
| Air Compressor | 2 | 78 | 40% | 445 | 0 |
| Mixer | 1 | 79 | 40% | 445 | 0 |
| Forklifts | 1 | 75 | 20% | 470 | 0 |
| Plate Compactors | 1 | 83 | 20% | 470 | 0 |
| Total # of equipment: | 19 | | | | |

Receptor: R7

Results:
1-hour Leq: 71.3

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: *Phase 1b: Interior Building*
*Months 32-37***

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 270 | 0 |
| Aerial Lift | 1 | 75 | 20% | 270 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 295 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 295 | 0 |
| Forklifts | 1 | 75 | 20% | 320 | 0 |
| Signal Boards | 1 | 73 | 50% | 320 | 0 |
| Air Compressor | 1 | 78 | 40% | 345 | 0 |
| Aerial Lift | 1 | 75 | 20% | 345 | 0 |
| Forklifts | 1 | 75 | 20% | 370 | 0 |
| Air Compressor | 1 | 78 | 40% | 370 | 0 |
| Aerial Lift | 1 | 75 | 20% | 395 | 0 |
| Forklifts | 1 | 75 | 20% | 395 | 0 |
| Air Compressor | 1 | 78 | 40% | 420 | 0 |
| Aerial Lift | 1 | 75 | 20% | 420 | 0 |

Total # of equipment: 14

Receptor: R7

Results:
1-hour Leq: 66.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Structure
Months 25-36**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 300 | 0 |
| Mixer | 1 | 79 | 40% | 300 | 0 |
| Concrete Saw | 1 | 90 | 20% | 325 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 325 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 350 | 0 |
| Forklifts | 1 | 75 | 20% | 350 | 0 |
| Plate Compactors | 1 | 83 | 20% | 375 | 0 |
| Signal Boards | 1 | 73 | 50% | 375 | 0 |
| Welders | 1 | 74 | 40% | 400 | 0 |
| Air Compressor | 1 | 78 | 40% | 400 | 0 |
| Mixer | 1 | 79 | 40% | 425 | 0 |
| Forklifts | 1 | 75 | 20% | 425 | 0 |
| Plate Compactors | 1 | 83 | 20% | 450 | 0 |
| Welders | 1 | 74 | 40% | 450 | 0 |
| Air Compressor | 2 | 78 | 40% | 475 | 0 |
| Mixer | 1 | 79 | 40% | 475 | 0 |
| Forklifts | 1 | 75 | 20% | 500 | 0 |
| Plate Compactors | 1 | 83 | 20% | 500 | 0 |
| Total # of equipment: | 19 | | | | |

Receptor: R7

Results:
1-hour Leq: 70.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 2: Interior Building
Months 32-37**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 300 | 0 |
| Aerial Lift | 1 | 75 | 20% | 300 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 325 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 325 | 0 |
| Forklifts | 1 | 75 | 20% | 350 | 0 |
| Signal Boards | 1 | 73 | 50% | 350 | 0 |
| Air Compressor | 1 | 78 | 40% | 375 | 0 |
| Aerial Lift | 1 | 75 | 20% | 375 | 0 |
| Forklifts | 1 | 75 | 20% | 400 | 0 |
| Air Compressor | 1 | 78 | 40% | 400 | 0 |
| Aerial Lift | 1 | 75 | 20% | 425 | 0 |
| Forklifts | 1 | 75 | 20% | 425 | 0 |
| Air Compressor | 1 | 78 | 40% | 450 | 0 |
| Aerial Lift | 1 | 75 | 20% | 450 | 0 |

Total # of equipment: 14

Receptor: R7

Results:
1-hour Leq: 65.8

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Demolition
Months 27-28**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 170 | 0 |
| Concrete Saw | 1 | 90 | 20% | 170 | 0 |
| Excavator | 1 | 81 | 40% | 195 | 0 |
| Water Truck | 1 | 82 | 10% | 195 | 0 |
| Loaders | 1 | 79 | 40% | 220 | 0 |
| Signal Boards | 1 | 73 | 50% | 220 | 0 |
| Loaders | 1 | 79 | 40% | 245 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 245 | 0 |
| Trenches | 1 | 50 | 80% | 270 | 0 |
| Air Compressor | 1 | 78 | 40% | 270 | 0 |
| Concrete Saw | 1 | 90 | 20% | 295 | 0 |

Total # of equipment: 11

Receptor: R7

Results:
1-hour Leq: 75.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

Construction Phase: *Phase 3: AQMD Cleanup*
Months 30-31

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Excavator | 1 | 81 | 40% | 170 | 0 |
| Water Truck | 1 | 82 | 10% | 170 | 0 |
| Rubber Tired Loaders | 1 | 79 | 40% | 195 | 0 |

Total # of equipment: 3

Receptor: R7

Results:
1-hour Leq: 68.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Grading
Months 29-31**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Bore/Dril Rig | 1 | 84 | 20% | 170 | 0 |
| Excavator | 1 | 81 | 40% | 170 | 0 |
| Graders | 1 | 85 | 40% | 195 | 0 |
| Water Truck | 1 | 82 | 10% | 195 | 0 |
| Dozers | 1 | 82 | 40% | 220 | 0 |
| Loaders | 1 | 79 | 40% | 220 | 0 |
| Signal Boards | 1 | 73 | 50% | 245 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 245 | 0 |
| Welders | 1 | 74 | 40% | 270 | 0 |
| Bore/Dril Rig | 1 | 84 | 20% | 270 | 0 |
| Excavator | 1 | 81 | 40% | 295 | 0 |

Total # of equipment: 11

Receptor: R7

Results:
1-hour Leq: 74.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Structure
Months 32-42**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-----------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 170 | 0 |
| Mixer | 1 | 79 | 40% | 170 | 0 |
| Concrete Saw | 1 | 90 | 20% | 195 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 195 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 220 | 0 |
| Forklifts | 2 | 75 | 20% | 220 | 0 |
| Plate Compactors | 1 | 83 | 20% | 245 | 0 |
| Signal Boards | 1 | 73 | 50% | 245 | 0 |
| Welders | 1 | 74 | 40% | 270 | 0 |
| Air Compressor | 1 | 78 | 40% | 270 | 0 |
| Mixer | 1 | 79 | 40% | 295 | 0 |
| Forklifts | 1 | 75 | 20% | 295 | 0 |
| Plate Compactors | 1 | 83 | 20% | 320 | 0 |
| Welders | 1 | 74 | 40% | 320 | 0 |
| Air Compressor | 1 | 78 | 40% | 345 | 0 |
| Mixer | 1 | 79 | 40% | 345 | 0 |
| Plate Compactors | 1 | 83 | 20% | 370 | 0 |
| Air Compressor | 1 | 78 | 40% | 370 | 0 |
| Total # of equipment: | 19 | | | | |

Receptor: R7

Results:
1-hour Leq: 74.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

**Construction Phase: Phase 3: Interior Building
Months 41 - 43**

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|--------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Air Compressor | 1 | 78 | 40% | 170 | 0 |
| Aerial Lift | 1 | 75 | 20% | 170 | 0 |
| Cranes (tower) | 1 | 81 | 16% | 195 | 0 |
| Cranes (mobile) | 1 | 81 | 16% | 195 | 0 |
| Forklifts | 1 | 75 | 20% | 220 | 0 |
| Signal Boards | 1 | 73 | 50% | 220 | 0 |
| Air Compressor | 1 | 78 | 40% | 245 | 0 |
| Aerial Lift | 1 | 75 | 20% | 245 | 0 |
| Forklifts | 1 | 75 | 20% | 270 | 0 |
| Air Compressor | 1 | 78 | 40% | 270 | 0 |
| Aerial Lift | 1 | 75 | 20% | 295 | 0 |
| Forklifts | 1 | 75 | 20% | 295 | 0 |
| Air Compressor | 1 | 78 | 40% | 320 | 0 |
| Aerial Lift | 1 | 75 | 20% | 320 | 0 |

Total # of equipment: 14

Receptor: R7

Results:
1-hour Leq: 69.9

Source for Ref. Noise Levels: FHWA RCNM, 2006

Project: Sportsmen's Lodge

Construction Phase: *Site: Landscape/Hardscape*
Months 41-42

Equipment

| Description | No. of Equip. | Reference Noise Level at 50ft, Lmax | Acoustical Usage Factor | Distance to Receptor, ft | Estimated Noise Shielding, dBA |
|-------------------------|----------------------|--|--------------------------------|---------------------------------|---------------------------------------|
| Mixer | 1 | 79 | 40% | 170 | 0 |
| Concrete Saw | 1 | 90 | 20% | 170 | 0 |
| Forklifts | 1 | 75 | 20% | 195 | 0 |
| Water Truck | 1 | 82 | 10% | 195 | 0 |
| Plate Compactors | 1 | 83 | 20% | 220 | 0 |
| Rollers | 1 | 80 | 20% | 220 | 0 |
| Tractor/Loader/Backhoes | 1 | 81 | 40% | 245 | 0 |
| Signal Boards | 1 | 73 | 50% | 245 | 0 |
| Loaders | 1 | 79 | 40% | 270 | 0 |
| Trenches | 1 | 50 | 80% | 270 | 0 |

Total # of equipment: 10

Receptor: R7

Results:
1-hour Leq: 74.5

Source for Ref. Noise Levels: FHWA RCNM, 2006

Temporary Parking (Car Stacker) Noise Calculations

Project: Sportsmen's Lodge

Hours of Operations

| Receptor | Estimated Noise Levels, Leq(1-hr) from SOUNDPLAN | | Ld (7am to 7pm) | Le (7pm to 10pm) | Ln (10pm to 7am) |
|----------|--|------|-----------------|------------------|------------------|
| | Leq | CNEL | | | |
| | | | 12 | 3 | 9 |
| R1 | 47.9 | 54.6 | 47.9 | 47.9 | 47.9 |
| R2 | 42.5 | 49.2 | 42.5 | 42.5 | 42.5 |
| R3 | 23.5 | 30.2 | 23.5 | 23.5 | 23.5 |
| R4 | 29.7 | 36.4 | 29.7 | 29.7 | 29.7 |
| R5 | 29.8 | 36.5 | 29.8 | 29.8 | 29.8 |
| R6 | 32.6 | 39.3 | 32.6 | 32.6 | 32.6 |
| R7 | 47.8 | 54.5 | 47.8 | 47.8 | 47.8 |
| R8 | 55.2 | 61.9 | 55.2 | 55.2 | 55.2 |

| Receptor | ambient (Leq) | Project Noise (Leq) | Ambient + Project (Leq) | Increase (Leq) | Significance Threshold (Leq) |
|----------|---------------|---------------------|-------------------------|----------------|------------------------------|
| R1 | 69.6 | 47.9 | 69.6 | 0.0 | 74.6 |
| R2 | 61.0 | 42.5 | 61.1 | 0.1 | 66.0 |
| R3 | 66.5 | 23.5 | 66.5 | 0.0 | 71.5 |
| R4 | 61.3 | 29.7 | 61.3 | 0.0 | 66.3 |
| R5 | 51.9 | 29.8 | 51.9 | 0.0 | 56.9 |
| R6 | 54.0 | 32.6 | 54.0 | 0.0 | 59.0 |
| R7 | 49.6 | 47.8 | 51.8 | 2.2 | 54.6 |
| R8 | 50.3 | 55.2 | 56.4 | 6.1 | 55.3 |

**Sportsmen's Lodge
Source Levels in dB(A) - Car Stackers**

3

| Name | Source type | Lw dB(A) | |
|------------------------|-------------|-------------|--|
| Car Stackers (Motor) A | Area | 84.8 | |
| Car Stackers (Motor) B | Area | 80.2 | |
| Car Stackers (Motor) C | Area | 80.9 | |
| Car Stackers (Motor) D | Area | 79.8 | |
| Car Stackers (Motor) E | Area | 81.2 | |
| Car Stackers (Motor) F | Area | 81.7 | |
| Car Stackers (Motor) G | Area | 83.2 | |
| Car Stackers (Motor) H | Area | 93.0 | |
| Car Stackers (Plate) A | Area | 83.9 | |
| Car Stackers (Plate) B | Area | 79.2 | |
| Car Stackers (Plate) C | Area | 79.9 | |
| Car Stackers (Plate) D | Area | 78.9 | |
| Car Stackers (Plate) E | Area | 80.2 | |
| Car Stackers (Plate) F | Area | 80.7 | |
| Car Stackers (Plate) G | Area | 82.2 | |
| Car Stackers (Plate) H | Area | 82.1 | |

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

| | | |
|--|--|---|
| | AES 22801 Crespi St Woodland Hills, CA 91364 USA | 1 |
|--|--|---|

Sportsmen's Lodge Contribution level - Car Stackers

9

| Source | Source type | Leq,d dB(A) | |
|-------------------------------------|-------------|----------------|--|
| Receiver R1 Leq,d 47.9 dB(A) | | | |
| Car Stackers (Motor) A | Area | 38.6 | |
| Car Stackers (Motor) B | Area | 27.8 | |
| Car Stackers (Motor) C | Area | 26.7 | |
| Car Stackers (Motor) D | Area | 24.2 | |
| Car Stackers (Motor) E | Area | 25.4 | |
| Car Stackers (Motor) G | Area | 31.5 | |
| Car Stackers (Motor) H | Area | 46.2 | |
| Car Stackers (Motor) F | Area | 27.6 | |
| Car Stackers (Plate) A | Area | 36.9 | |
| Car Stackers (Plate) B | Area | 26.9 | |
| Car Stackers (Plate) C | Area | 25.5 | |
| Car Stackers (Plate) D | Area | 22.8 | |
| Car Stackers (Plate) E | Area | 23.9 | |
| Car Stackers (Plate) G | Area | 30.1 | |
| Car Stackers (Plate) H | Area | 32.9 | |
| Car Stackers (Plate) F | Area | 26.5 | |
| Receiver R2 Leq,d 42.5 dB(A) | | | |
| Car Stackers (Motor) A | Area | 30.9 | |
| Car Stackers (Motor) B | Area | 21.2 | |
| Car Stackers (Motor) C | Area | 20.3 | |
| Car Stackers (Motor) D | Area | 18.1 | |
| Car Stackers (Motor) E | Area | 13.2 | |
| Car Stackers (Motor) G | Area | 26.4 | |
| Car Stackers (Motor) H | Area | 41.6 | |
| Car Stackers (Motor) F | Area | 21.5 | |
| Car Stackers (Plate) A | Area | 26.1 | |
| Car Stackers (Plate) B | Area | 19.7 | |
| Car Stackers (Plate) C | Area | 18.6 | |
| Car Stackers (Plate) D | Area | 16.1 | |
| Car Stackers (Plate) E | Area | 8.0 | |
| Car Stackers (Plate) G | Area | 22.2 | |
| Car Stackers (Plate) H | Area | 26.9 | |
| Car Stackers (Plate) F | Area | 15.8 | |
| Receiver R3 Leq,d 23.5 dB(A) | | | |
| Car Stackers (Motor) A | Area | 19.1 | |
| Car Stackers (Motor) B | Area | 2.1 | |
| Car Stackers (Motor) C | Area | 1.9 | |
| Car Stackers (Motor) D | Area | 0.3 | |
| Car Stackers (Motor) E | Area | 1.1 | |

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Page
1

**Sportsmen's Lodge
Contribution level - Car Stackers**

9

| Source | Source type | Leq,d dB(A) | |
|-------------------------------------|-------------|----------------|--|
| Car Stackers (Motor) G | Area | 5.7 | |
| Car Stackers (Motor) H | Area | 20.2 | |
| Car Stackers (Motor) F | Area | 2.6 | |
| Car Stackers (Plate) A | Area | 11.6 | |
| Car Stackers (Plate) B | Area | 0.3 | |
| Car Stackers (Plate) C | Area | 0.1 | |
| Car Stackers (Plate) D | Area | -1.7 | |
| Car Stackers (Plate) E | Area | -1.3 | |
| Car Stackers (Plate) G | Area | 3.4 | |
| Car Stackers (Plate) H | Area | 6.0 | |
| Car Stackers (Plate) F | Area | 0.5 | |
| Receiver R4 Leq,d 29.7 dB(A) | | | |
| Car Stackers (Motor) A | Area | 18.5 | |
| Car Stackers (Motor) B | Area | 15.1 | |
| Car Stackers (Motor) C | Area | 16.7 | |
| Car Stackers (Motor) D | Area | 15.4 | |
| Car Stackers (Motor) E | Area | 11.8 | |
| Car Stackers (Motor) G | Area | 18.0 | |
| Car Stackers (Motor) H | Area | 27.6 | |
| Car Stackers (Motor) F | Area | 14.3 | |
| Car Stackers (Plate) A | Area | 13.9 | |
| Car Stackers (Plate) B | Area | 6.0 | |
| Car Stackers (Plate) C | Area | 7.4 | |
| Car Stackers (Plate) D | Area | 6.8 | |
| Car Stackers (Plate) E | Area | 2.6 | |
| Car Stackers (Plate) G | Area | 10.5 | |
| Car Stackers (Plate) H | Area | 12.6 | |
| Car Stackers (Plate) F | Area | 3.6 | |
| Receiver R5 Leq,d 29.8 dB(A) | | | |
| Car Stackers (Motor) A | Area | 17.7 | |
| Car Stackers (Motor) B | Area | 18.7 | |
| Car Stackers (Motor) C | Area | 13.7 | |
| Car Stackers (Motor) D | Area | 7.8 | |
| Car Stackers (Motor) E | Area | 7.2 | |
| Car Stackers (Motor) G | Area | 24.0 | |
| Car Stackers (Motor) H | Area | 25.1 | |
| Car Stackers (Motor) F | Area | 19.4 | |
| Car Stackers (Plate) A | Area | 11.3 | |
| Car Stackers (Plate) B | Area | 13.7 | |
| Car Stackers (Plate) C | Area | 8.7 | |

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**Sportsmen's Lodge
Contribution level - Car Stackers**

9

| Source | Source type | Leq,d dB(A) | |
|-------------------------------------|-------------|----------------|--|
| Car Stackers (Plate) D | Area | 3.6 | |
| Car Stackers (Plate) E | Area | 2.6 | |
| Car Stackers (Plate) G | Area | 18.4 | |
| Car Stackers (Plate) H | Area | 8.9 | |
| Car Stackers (Plate) F | Area | 7.7 | |
| Receiver R6 Leq,d 32.6 dB(A) | | | |
| Car Stackers (Motor) A | Area | 20.8 | |
| Car Stackers (Motor) B | Area | 17.8 | |
| Car Stackers (Motor) C | Area | 19.5 | |
| Car Stackers (Motor) D | Area | 19.4 | |
| Car Stackers (Motor) E | Area | 20.7 | |
| Car Stackers (Motor) G | Area | 24.5 | |
| Car Stackers (Motor) H | Area | 28.1 | |
| Car Stackers (Motor) F | Area | 20.1 | |
| Car Stackers (Plate) A | Area | 17.8 | |
| Car Stackers (Plate) B | Area | 15.1 | |
| Car Stackers (Plate) C | Area | 16.7 | |
| Car Stackers (Plate) D | Area | 16.7 | |
| Car Stackers (Plate) E | Area | 12.1 | |
| Car Stackers (Plate) G | Area | 18.6 | |
| Car Stackers (Plate) H | Area | 12.1 | |
| Car Stackers (Plate) F | Area | 10.8 | |
| Receiver R7 Leq,d 47.8 dB(A) | | | |
| Car Stackers (Motor) A | Area | 37.4 | |
| Car Stackers (Motor) B | Area | 35.0 | |
| Car Stackers (Motor) C | Area | 33.2 | |
| Car Stackers (Motor) D | Area | 29.3 | |
| Car Stackers (Motor) E | Area | 29.9 | |
| Car Stackers (Motor) G | Area | 35.7 | |
| Car Stackers (Motor) H | Area | 44.1 | |
| Car Stackers (Motor) F | Area | 33.0 | |
| Car Stackers (Plate) A | Area | 36.0 | |
| Car Stackers (Plate) B | Area | 33.8 | |
| Car Stackers (Plate) C | Area | 32.2 | |
| Car Stackers (Plate) D | Area | 28.6 | |
| Car Stackers (Plate) E | Area | 29.1 | |
| Car Stackers (Plate) G | Area | 34.4 | |
| Car Stackers (Plate) H | Area | 32.7 | |
| Car Stackers (Plate) F | Area | 31.9 | |
| Receiver R8 Leq,d 55.2 dB(A) | | | |

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**Sportsmen's Lodge
Contribution level - Car Stackers**

9

| Source | Source type | Leq,d dB(A) |
|------------------------|-------------|----------------|
| Car Stackers (Motor) A | Area | 48.5 |
| Car Stackers (Motor) B | Area | 43.7 |
| Car Stackers (Motor) C | Area | 36.0 |
| Car Stackers (Motor) D | Area | 30.6 |
| Car Stackers (Motor) E | Area | 31.6 |
| Car Stackers (Motor) G | Area | 43.9 |
| Car Stackers (Motor) H | Area | 49.9 |
| Car Stackers (Motor) F | Area | 37.3 |
| Car Stackers (Plate) A | Area | 47.3 |
| Car Stackers (Plate) B | Area | 42.2 |
| Car Stackers (Plate) C | Area | 34.7 |
| Car Stackers (Plate) D | Area | 29.9 |
| Car Stackers (Plate) E | Area | 30.8 |
| Car Stackers (Plate) G | Area | 42.0 |
| Car Stackers (Plate) H | Area | 38.3 |
| Car Stackers (Plate) F | Area | 35.9 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Project: Sportsmen's Lodge

Off-Site Haul Trucks

| Phase | Maximum Number of Truck | | Estimated Noise Levels from TNM Model, dBA Leq | |
|---------------------------------|-------------------------|---------------------|--|---------|
| | One Way Trips | | | |
| | Per Day | Per Hour (8-hr day) | Coldwater Canyon | Ventura |
| P0A: Demo | 44 | 8 | 57.9 | 51.4 |
| P0B: Utility | 6 | 1 | 48.8 | 42.3 |
| P1a: Grading | 590 | 99 | 68.8 | 62.3 |
| P1a: Foundation | 30 | 4 | 54.9 | 48.4 |
| P1a: Mat Foundation (Pour Days) | 296 | 30 | 63.6 | 57.1 |
| P1a Structure | 120 | 15 | 60.6 | 54.1 |
| P1a Interior Building | 60 | 8 | 57.9 | 51.4 |
| P1b Structure | 60 | 8 | 57.9 | 51.4 |
| P1b Interior Building | 60 | 8 | 57.9 | 51.4 |
| P2 Structure | 60 | 8 | 57.9 | 51.4 |
| P2 Interior Building | 60 | 8 | 57.9 | 51.4 |
| P3 Demo | 60 | 10 | 58.8 | 52.3 |
| P3 AQMD Cleanup | 60 | 8 | 57.9 | 51.4 |
| P3 Grading | 310 | 52 | 66.0 | 59.5 |
| P3 Structure | 120 | 15 | 60.6 | 54.1 |
| P3 Interior Building | 60 | 8 | 57.9 | 51.4 |
| Site Landscape | 20 | 3 | 53.6 | 47.1 |

* Grading assumed 6-hour hauling

Ambient 71.1 63.4

** Mat Foundation assumed 10-hour

Threshold, Ambient + 5 dBA 76.1 68.4

*** Other phases assumed 8-hour

| | Project | | Project + Ambient | | ease over Ambient | | | |
|---------------|---------|---------------------|-------------------|---------|-------------------|---------|-----|-----|
| | Per Day | Per Hour (8-hr day) | Coldwater | | Coldwater | | | |
| | | | Canyon | Ventura | Canyon | Ventura | | |
| Months 1-4 | 44 | 8 | 57.9 | 51.4 | 71.3 | 63.7 | 0.2 | 0.3 |
| Months 5-12 | 590 | 99 | 68.8 | 62.3 | 73.1 | 65.9 | 2.0 | 2.5 |
| Months 13-19 | 120 | 15 | 60.6 | 54.1 | 71.5 | 63.9 | 0.4 | 0.5 |
| Months 20-24 | 240 | 31 | 63.8 | 57.3 | 71.8 | 64.4 | 0.7 | 1.0 |
| Months 25-26 | 180 | 24 | 62.7 | 56.2 | 71.7 | 64.2 | 0.6 | 0.8 |
| Months 27-28: | 180 | 26 | 63 | 56.5 | 71.7 | 64.2 | 0.6 | 0.8 |
| Months 29-31 | 490 | 76 | 67.7 | 61.2 | 72.7 | 65.4 | 1.6 | 2.0 |
| Months 32-36 | 360 | 39 | 64.8 | 58.3 | 72.0 | 64.6 | 0.9 | 1.2 |
| Months 37-40 | 240 | 23 | 62.5 | 56.0 | 71.7 | 64.1 | 0.6 | 0.7 |
| Months 41-43 | 200 | 26 | 63.0 | 56.5 | 71.7 | 64.2 | 0.6 | 0.8 |

- Months 1-4: Phase 0a Demolition of Existing Hotel; Phase 0b Utility Relocation, and Temp Parking-Parking Stackers.
- Months 5-12: Phase 1a Grading/Export/Shoring for Area 1 (Parking Garage Area); Phase 1a Mat Foundation.
- Months 13-19: Phase 1a Garage to Podium Deck Structure.
- Months 20-24: Phase 1a Garage to Podium Deck Structure, Phase 1a Garage to Podium Deck Interior Build, and Phase 1b Structure.
- Months 25-26: Phase 1a Garage to Podium Deck Interior Build, Phase 1b Structure, and Phase 2 Structure.
- Months 27-28: Phase 1b Structure, Phase 2 Structure, Phase 3 Demolition, Relocate Parking Stackers to Garage
- Months 29-31: Phase 1b Structure, Phase 2 Structure, Phase 3 AQMD Cleanup, and Phase 3 Grading/Export/Shoring.
- Months 32-36: Phase 1b Structure, Phase 1b Interior Build, Phase 2 Structure, Phase 2 Interior Build, and Phase 3 Structure.
- Months 37-40: Phase 1b Interior Build, Phase 2 Interior Build, and Phase 3 Structure.
- Months 41-43: Phase 3 Structure, Phase 3 Interior Build, Landscape/Hardscape.

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | | |
|--------------------------|--------------|-------------|---------------|-------------------------------|-----------------|----------|---------------------|-------------------|-----------------|--|----------------|--|
| EE | | | | | 29 July 2021 | | | | | | | |
| Sean Bui | | | | | TNM 2.5 | | | | | | | |
| INPUT: ROADWAYS | | | | | | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | |
| PROJECT/CONTRACT: | | | | | Sportmens Lodge | | | | | | | |
| RUN: | | | | | Phase 0A Demo | | | | | | | |
| Roadway | | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On | |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? | |
| | | | | | | | | | Affected | | | |
| | ft | | | ft | ft | ft | | mph | % | | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 0A Demo | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 8 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|-----------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 0A Demo | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|--|------------|--------------|------------------------|-------------------------------------|---------------|--|-------------------------|--------------------|---------------------------------------|-----------------------------------|-------------|------------------------------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | |
| RUN: Phase 0A Demo | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 57.9 | 71 | 57.9 | 5 | ---- | 57.9 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 51.4 | 66 | 51.4 | 10 | ---- | 51.4 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min dB | Avg dB | Max dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--|--------------|---------------|------------|-------------------------------|--|----------|---------------------|-------------------|-----------------|----------------|----------------|
| EE | | | | | 29 July 2021 | | | | | | |
| Sean Bui | | | | | TNM 2.5 | | | | | | |
| INPUT: ROADWAYS | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | |
| RUN: Phase 0B Utility | | | | | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|-------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 0B Utility | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 1 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|------------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 0B Utility | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|------------|--------------|------------------------|-------------------------------------|---------------|--|-------------------------|--------------------|---------------------------------------|------------------------|-------------------|-------------|------------------------------|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | | |
| RUN: Phase 0B Utility | | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction | | | Calculated minus Goal |
| | | | | | | | | | | Calculated | Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 48.8 | 71 | 48.8 | 5 | ---- | 48.8 | 0.0 | 0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 42.3 | 66 | 42.3 | 10 | ---- | 42.3 | 0.0 | 8 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | | |
| | | | Min | Avg | Max | | | | | | | | |
| | | | dB | dB | dB | | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--------------------------|--------------|---------------|------------------|-------------------------------|----------|--|---------------------|-------------------|-----------------|----------------|----------------|
| EE | | | | | | 29 July 2021 | | | | | |
| Sean Bui | | | | | | TNM 2.5 | | | | | |
| INPUT: ROADWAYS | | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | | |
| PROJECT/CONTRACT: | | | Sportmens Lodge | | | | | | | | |
| RUN: | | | Phase 1A Grading | | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|-------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 1A Grading | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 99 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|------------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 1A Grading | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | | |
|------------------------------|--|------------------|--------------|------------------------|-------------------------------------|---------------|-------------------------------|--|---------------------|--------------------------|------------------------|----|------------------------------|
| EE | | | | | | | 29 July 2021 | | | | | | |
| Sean Bui | | | | | | | TNM 2.5 | | | | | | |
| | | | | | | | Calculated with TNM 2.5 | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | | | |
| RUN: | | Phase 1A Grading | | | | | | | | | | | |
| BARRIER DESIGN: | | INPUT HEIGHTS | | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA. | | | | | |
| ATMOSPHERICS: | | 68 deg F, 50% RH | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | | |
| Name | | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing | | With Barrier | | | | |
| | | | | | | | Calculated | Crit'n | Type Impact | Calculated LAeq1h | Noise Reduction | | Calculated minus Goal |
| | | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | | 1 | 1 | 0.0 | 68.8 | 71 | 68.8 | 5 | ---- | 68.8 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | | 10 | 1 | 0.0 | 62.3 | 66 | 62.3 | 10 | ---- | 62.3 | 0.0 | 8 | -8.0 |
| Dwelling Units | | | # DUs | Noise Reduction | | | | | | | | | |
| | | | | Min | Avg | Max | | | | | | | |
| | | | | dB | dB | dB | | | | | | | |
| All Selected | | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|------------------------|--------------|---------------|------------|-------------------------------|----------|----------|------------------------|-------------------|-----------------|--|----------------|
| | | | | 16 November 2021 | | | | | | | |
| EE | | | | Sean Bui | | | TNM 2.5 | | | | |
| INPUT: ROADWAYS | | | | PROJECT/CONTRACT: | | | Sportmens Lodge | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | |
| RUN: | | | | Phase 1A Foundation | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | Segment | | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|----------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 1A Foundation | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 4 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 16 November 2021 | | | | |
|--------------------------|-----|---------------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 1A Foundation | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|--|------------|--------------|------------------------|-------------------------------------|---------------|--|-------------------------|--------------------|---------------------------------------|------------------------|-------------|------------------------------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | |
| RUN: Phase 1A Foundation | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | |
| Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA. | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction | | |
| | | | | | | | | | | Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 54.9 | 71 | 54.9 | 5 | ---- | 54.9 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 48.4 | 66 | 48.4 | 10 | ---- | 48.4 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min dB | Avg dB | Max dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--------------------------|--------------|---------------|------------|----------------------------------|----------|----------|---------------------|--|-----------------|----------------|----------------|
| EE | | | | 16 November 2021 | | | | | | | |
| Sean Bui | | | | TNM 2.5 | | | | | | | |
| INPUT: ROADWAYS | | | | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | |
| PROJECT/CONTRACT: | | | | Sportmens Lodge | | | | | | | |
| RUN: | | | | Phase 1A Mat Foundation Pour Day | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|---|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 1A Mat Foundation Pour Day | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 30 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 16 November 2021 | | | | |
|-------------------|-----|----------------------------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 1A Mat Foundation Pour Day | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | | | |
|------------------------------|--|------------|---|------------------------|-------------------------------------|---------------|-------------------------------|---------------|---------------------|---|------------------------|-----------|--------------------------------|--|
| EE | | | | | | | | | | | | | 16 November 2021 | |
| Sean Bui | | | | | | | | | | | | | TNM 2.5 | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | | Calculated with TNM 2.5 | |
| PROJECT/CONTRACT: | | | Sportmens Lodge | | | | | | | | | | | |
| RUN: | | | Phase 1A Mat Foundation Pour Day | | | | | | | | | | | |
| BARRIER DESIGN: | | | INPUT HEIGHTS | | | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA. | | | | |
| ATMOSPHERICS: | | | 68 deg F, 50% RH | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | | | |
| Name | | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing | | With Barrier | | | | | |
| | | | | | | | Calculated | Crit'n | Type Impact | Calculated LAeq1h | Noise Reduction | | Calculated minus Goal | |
| | | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB | |
| Coldwater Cyn | | 1 | 1 | 0.0 | 63.6 | 71 | 63.6 | 5 | ---- | 63.6 | 0.0 | 0 | 0.0 | |
| Ventura Blvd. | | 10 | 1 | 0.0 | 57.1 | 66 | 57.1 | 10 | ---- | 57.1 | 0.0 | 8 | -8.0 | |
| Dwelling Units | | | # DUs | Noise Reduction | | | | | | | | | | |
| | | | | Min | Avg | Max | | | | | | | | |
| | | | | dB | dB | dB | | | | | | | | |
| All Selected | | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | | |
| All Impacted | | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | | |
| All that meet NR Goal | | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--|--------------|---------------|------------|-------------------------------|--|----------|---------------------|-------------------|-----------------|----------------|----------------|
| EE | | | | | 29 July 2021 | | | | | | |
| Sean Bui | | | | | TNM 2.5 | | | | | | |
| INPUT: ROADWAYS | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | |
| RUN: Phase 1A Structure | | | | | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|---------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 1A Structure | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 15 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|--------------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 1A Structure | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|--|------------|--------------|------------------------|-------------------------------------|---------------|-------------------------------|------------------|--------------------|--------------------------|------------------------|-------------|------------------------------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | |
| RUN: Phase 1A Structure | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing | | Type Impact | With Barrier | | | |
| | | | | | | Calculated | Crit'n | | Calculated LAeq1h | Noise Reduction | | Calculated minus Goal |
| | | | | | | | Sub'l Inc | | | Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 60.6 | 71 | 60.6 | 5 | ---- | 60.6 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 54.1 | 66 | 54.1 | 10 | ---- | 54.1 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min | Avg | Max | | | | | | | |
| | | | dB | dB | dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--|--------------|---------------|------------|-------------------------------|--|----------|---------------------|-------------------|-----------------|----------------|----------------|
| EE | | | | | 29 July 2021 | | | | | | |
| Sean Bui | | | | | TNM 2.5 | | | | | | |
| INPUT: ROADWAYS | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | |
| RUN: Phase 1A Interior Building | | | | | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|-----------------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 1A Interior Building | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 8 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| | | | | | | | | | | | |
|--------------------------|------------|----------------------------|-----------------------------|----------|----------|---------------|--|------------------------|--------------|-------------|---------------|
| EE | | | | | | | 29 July 2021 | | | | |
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 1A Interior Building | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height | Input Sound Levels and Criteria | | | | Active |
| | | | X | Y | Z | above | Existing | Impact Criteria | | NR | in |
| | | | | | | Ground | LAeq1h | LAeq1h | Sub'l | Goal | Calc. |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|--|------------|--------------|----------------------------|-------------------------------------|---------------|--|-------------------------|--------------------|---------------------------------------|------------------------|-------------|------------------------------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| 29 July 2021 | | | | | | | | | | | | |
| TNM 2.5 | | | | | | | | | | | | |
| Calculated with TNM 2.5 | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: | | | Sportmens Lodge | | | | | | | | | |
| RUN: | | | Phase 1A Interior Building | | | | | | | | | |
| BARRIER DESIGN: | | | INPUT HEIGHTS | | | | | | | | | |
| ATMOSPHERICS: | | | 68 deg F, 50% RH | | | | | | | | | |
| Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA. | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction | | |
| | | | | | | | | | | Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 57.9 | 71 | 57.9 | 5 | ---- | 57.9 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 51.4 | 66 | 51.4 | 10 | ---- | 51.4 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min dB | Avg dB | Max dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--|--------------|---------------|------------|-------------------------------|--|----------|---------------------|-------------------|-----------------|----------------|----------------|
| EE | | | | | 29 July 2021 | | | | | | |
| Sean Bui | | | | | TNM 2.5 | | | | | | |
| INPUT: ROADWAYS | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | |
| RUN: Phase 1B Structure | | | | | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|---------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 1B Structure | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 8 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|--------------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 1B Structure | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|---|------------|--------------|------------------------|-------------------------------------|---------------|--|-------------------------|--------------------|---------------------------------------|--|----|------|
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| 29 July 2021 | | | | | | | | | | | | |
| TNM 2.5 | | | | | | | | | | | | |
| Calculated with TNM 2.5 | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | |
| RUN: Phase 1B Structure | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | |
| Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA. | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction Calculated Goal Calculated minus Goal | | |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 57.9 | 71 | 57.9 | 5 | ---- | 57.9 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 51.4 | 66 | 51.4 | 10 | ---- | 51.4 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min dB | Avg dB | Max dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | |
|--------------------------|--------------|----------------------------|------------|-------------------------------|----------|--|---------------------|-------------------|-----------------|----------------|
| EE | | | | 29 July 2021 | | | | | | |
| Sean Bui | | | | TNM 2.5 | | | | | | |
| INPUT: ROADWAYS | | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | |
| RUN: | | Phase 1B Interior Building | | | | | | | | |
| Roadway | | Points | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt |
| | | | | | | | Device | Constraint | Vehicles | Type |
| | | | | | | | | | Affected | On |
| | ft | | | ft | ft | ft | | mph | % | Struct? |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|-----------------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 1B Interior Building | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 8 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|----------------------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 1B Interior Building | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|--|------------|--------------|------------------------|-------------------------------------|---------------|--|-------------------------|--------------------|---------------------------------------|--|----|------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | |
| RUN: Phase 1B Interior Building | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | |
| Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA. | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction Calculated Goal Calculated minus Goal | | |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 57.9 | 71 | 57.9 | 5 | ---- | 57.9 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 51.4 | 66 | 51.4 | 10 | ---- | 51.4 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min dB | Avg dB | Max dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--|--------------|---------------|------------|-------------------------------|--|----------|---------------------|-------------------|-----------------|----------------|----------------|
| EE | | | | | 29 July 2021 | | | | | | |
| Sean Bui | | | | | TNM 2.5 | | | | | | |
| INPUT: ROADWAYS | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | |
| RUN: Phase 2 Structure | | | | | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|--------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 2 Structure | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 8 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| | | | | | | | | | | | |
|--------------------------|------------|--------------------------|-----------------------------|----------|----------|---------------|--|------------------------|--------------|-------------|---------------|
| EE | | | | | | | 29 July 2021 | | | | |
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 2 Structure | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height | Input Sound Levels and Criteria | | | | Active |
| | | | X | Y | Z | above | Existing | Impact Criteria | | NR | in |
| | | | | | | Ground | LAeq1h | LAeq1h | Sub'l | Goal | Calc. |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|--|------------|--------------|------------------------|-------------------------------------|---------------|--|-------------------------|--------------------|---------------------------------------|------------------------|-------------|------------------------------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | |
| RUN: Phase 2 Structure | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | |
| Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA. | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction | | |
| | | | | | | | | | | Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 57.9 | 71 | 57.9 | 5 | ---- | 57.9 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 51.4 | 66 | 51.4 | 10 | ---- | 51.4 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min dB | Avg dB | Max dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--------------------------|--------------|---------------------------|------------|-------------------------------|----------|--|---------------------|-------------------|-----------------|----------------|----------------|
| EE | | | | 29 July 2021 | | | | | | | |
| Sean Bui | | | | TNM 2.5 | | | | | | | |
| INPUT: ROADWAYS | | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 2 Interior Building | | | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|----------------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 2 Interior Building | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 8 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|---------------------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 2 Interior Building | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|--|------------|--------------|------------------------|-------------------------------------|---------------|--|-------------------------|--------------------|---------------------------------------|------------------------|-------------|------------------------------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| 29 July 2021 | | | | | | | | | | | | |
| TNM 2.5 | | | | | | | | | | | | |
| Calculated with TNM 2.5 | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | |
| RUN: Phase 2 Interior Building | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | |
| Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA. | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction | | |
| | | | | | | | | | | Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 57.9 | 71 | 57.9 | 5 | ---- | 57.9 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 51.4 | 66 | 51.4 | 10 | ---- | 51.4 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min dB | Avg dB | Max dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--------------------------|--------------|---------------|------------|-------------------------------|----------|----------|---------------------|--|-----------------|-------------|----------------|
| EE | | | | 16 November 2021 | | | | | | | |
| Sean Bui | | | | TNM 2.5 | | | | | | | |
| INPUT: ROADWAYS | | | | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | |
| PROJECT/CONTRACT: | | | | Sportmens Lodge | | | | | | | |
| RUN: | | | | Phase 3 Demo | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | | Segment |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 3 Demo | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 10 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 16 November 2021 | | | | |
|--------------------------|-----|-----------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 3 Demo | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|--|------------|--------------|------------------------|-------------------------------------|---------------|--|-------------------------|--------------------|---------------------------------------|-----------------------------------|-------------|------------------------------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | |
| RUN: Phase 3 Demo | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 58.8 | 71 | 58.8 | 5 | ---- | 58.8 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 52.3 | 66 | 52.3 | 10 | ---- | 52.3 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min dB | Avg dB | Max dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--|--------------|---------------|------------|-------------------------------|--|----------|---------------------|-------------------|-----------------|----------------|----------------|
| EE | | | | | 29 July 2021 | | | | | | |
| Sean Bui | | | | | TNM 2.5 | | | | | | |
| INPUT: ROADWAYS | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | |
| RUN: Phase 3 AQMD Cleanup | | | | | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|-----------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 3 AQMD Cleanup | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 8 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|----------------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 3 AQMD Cleanup | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|---|------------|--------------|------------------------|-------------------------------------|---------------|--|-------------------------|--------------------|---------------------------------------|------------------------|-------------|------------------------------|
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| 29 July 2021 | | | | | | | | | | | | |
| TNM 2.5 | | | | | | | | | | | | |
| Calculated with TNM 2.5 | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | |
| RUN: Phase 3 AQMD Cleanup | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | |
| Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA. | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction | | |
| | | | | | | | | | | Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 57.9 | 71 | 57.9 | 5 | ---- | 57.9 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 51.4 | 66 | 51.4 | 10 | ---- | 51.4 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min | Avg | Max | | | | | | | |
| | | | dB | dB | dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--|--------------|---------------|------------|-------------------------------|--|----------|---------------------|-------------------|-----------------|----------------|----------------|
| EE | | | | | 29 July 2021 | | | | | | |
| Sean Bui | | | | | TNM 2.5 | | | | | | |
| INPUT: ROADWAYS | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | |
| RUN: Phase 3 Grading | | | | | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 3 Grading | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 52 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|-----------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 3 Grading | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|------------------------------|------------|--------------|----------------------------|---|-------------------|-------------------------------|---------------|------------------------|------------------------------|------------------------|-----------|--------------------------------------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| 29 July 2021 | | | | | | | | | | | | |
| TNM 2.5 | | | | | | | | | | | | |
| Calculated with TNM 2.5 | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: | | | Sportmens Lodge | | | | | | | | | |
| RUN: | | | Phase 3 Grading | | | | | | | | | |
| BARRIER DESIGN: | | | INPUT HEIGHTS | | | | | | | | | |
| ATMOSPHERICS: | | | 68 deg F, 50% RH | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing | | Type Impact | With Barrier | | | |
| | | | | | | Calculated | Crit'n | | Calculated LAeq1h | Noise Reduction | | Calculated minus Goal |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 66.0 | 71 | 66.0 | 5 | ---- | 66.0 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 59.5 | 66 | 59.5 | 10 | ---- | 59.5 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min dB | Avg dB | Max dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | | |
|--------------------------|--------------|-------------|---------------|-------------------------------|-------------------|----------|---------------------|-------------------|-----------------|--|----------------|--|
| EE | | | | | 29 July 2021 | | | | | | | |
| Sean Bui | | | | | TNM 2.5 | | | | | | | |
| INPUT: ROADWAYS | | | | | | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | |
| PROJECT/CONTRACT: | | | | | Sportmens Lodge | | | | | | | |
| RUN: | | | | | Phase 3 Structure | | | | | | | |
| Roadway | | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On | |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? | |
| | | | | | | | | | Affected | | | |
| | ft | | | ft | ft | ft | | mph | % | | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|--------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 3 Structure | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 15 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|--------------------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 3 Structure | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|--|------------|--------------|------------------------|-------------------------------------|---------------|-------------------------------|------------------|--------------------|--------------------------|------------------------|-------------|------------------------------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | |
| RUN: Phase 3 Structure | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing | | Type Impact | With Barrier | | | |
| | | | | | | Calculated | Crit'n | | Calculated LAeq1h | Noise Reduction | | Calculated minus Goal |
| | | | | | | | Sub'l Inc | | | Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 60.6 | 71 | 60.6 | 5 | ---- | 60.6 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 54.1 | 66 | 54.1 | 10 | ---- | 54.1 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min | Avg | Max | | | | | | | |
| | | | dB | dB | dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--|--------------|---------------|------------|-------------------------------|--|----------|---------------------|-------------------|-----------------|----------------|----------------|
| EE | | | | | 29 July 2021 | | | | | | |
| Sean Bui | | | | | TNM 2.5 | | | | | | |
| INPUT: ROADWAYS | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | |
| RUN: Phase 3 Interior Building | | | | | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|----------------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Phase 3 Interior Building | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | | | | | | | | | |
| | | | Autos | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 8 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|---------------------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Phase 3 Interior Building | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|--|------------|--------------|------------------------|-------------------------------------|---------------|--|-------------------------|--------------------|---------------------------------------|------------------------|-------------|------------------------------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| 29 July 2021 | | | | | | | | | | | | |
| TNM 2.5 | | | | | | | | | | | | |
| Calculated with TNM 2.5 | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | | |
| RUN: Phase 3 Interior Building | | | | | | | | | | | | |
| BARRIER DESIGN: INPUT HEIGHTS | | | | | | | | | | | | |
| Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA. | | | | | | | | | | | | |
| ATMOSPHERICS: 68 deg F, 50% RH | | | | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction | | |
| | | | | | | | | | | Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | dB | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 57.9 | 71 | 57.9 | 5 | ---- | 57.9 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 51.4 | 66 | 51.4 | 10 | ---- | 51.4 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min dB | Avg dB | Max dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

INPUT: ROADWAYS

Sportmens Lodge

| | | | | | | | | | | | |
|--|--------------|---------------|------------|-------------------------------|--|----------|---------------------|-------------------|-----------------|----------------|----------------|
| EE | | | | | 29 July 2021 | | | | | | |
| Sean Bui | | | | | TNM 2.5 | | | | | | |
| INPUT: ROADWAYS | | | | | Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA | | | | | | |
| PROJECT/CONTRACT: Sportmens Lodge | | | | | | | | | | | |
| RUN: Site Landscape | | | | | | | | | | | |
| Roadway | | Points | | | | | | | | | |
| Name | Width | Name | No. | Coordinates (pavement) | | | Flow Control | | | Segment | |
| | | | | X | Y | Z | Control | Speed | Percent | Pvmt | On |
| | | | | | | | Device | Constraint | Vehicles | Type | Struct? |
| | | | | | | | | | Affected | | |
| | ft | | | ft | ft | ft | | mph | % | | |
| Truck Route | 12.0 | point1 | 1 | 0.0 | 0.0 | 0.00 | Signal | 0.00 | 50 | Average | |
| | | point2 | 2 | 1,000.0 | 0.0 | 0.00 | | | | | |

INPUT: TRAFFIC FOR LAeq1h Volumes

Sportmens Lodge

| | | | | | | | | | | | | | |
|--|------------------------|------------|----------------|----------|----------------|----------|----------------|----------|--------------|----------|--------------------|----------|--|
| EE | | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| INPUT: TRAFFIC FOR LAeq1h Volumes | | | | | | | | | | | | | |
| PROJECT/CONTRACT: | Sportmens Lodge | | | | | | | | | | | | |
| RUN: | Site Landscape | | | | | | | | | | | | |
| Roadway | Points | | | | | | | | | | | | |
| Name | Name | No. | Segment | | MTrucks | | HTrucks | | Buses | | Motorcycles | | |
| | | | V | S | V | S | V | S | V | S | V | S | |
| | | | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | veh/hr | mph | |
| Truck Route | point1 | 1 | 0 | 0 | 0 | 0 | 3 | 35 | 0 | 0 | 0 | 0 | |
| | point2 | 2 | | | | | | | | | | | |

INPUT: RECEIVERS

Sportmens Lodge

| EE | | | | | | | 29 July 2021 | | | | |
|--------------------------|-----|-----------------|----------------------|-------|------|---------------------------|---------------------------------|---------------------------|-------|------------|-----------------------|
| Sean Bui | | | | | | | TNM 2.5 | | | | |
| INPUT: RECEIVERS | | | | | | | | | | | |
| PROJECT/CONTRACT: | | Sportmens Lodge | | | | | | | | | |
| RUN: | | Site Landscape | | | | | | | | | |
| Receiver | | | | | | | | | | | |
| Name | No. | #DUs | Coordinates (ground) | | | Height above Ground | Input Sound Levels and Criteria | | | | Active in Calc. |
| | | | X | Y | Z | | Existing LAeq1h | Impact Criteria LAeq1h | Sub'l | NR Goal | |
| | | | ft | ft | ft | ft | dBA | dBA | dB | dB | |
| Coldwater Cyn | 1 | 1 | 500.0 | 45.0 | 0.00 | 4.92 | 0.00 | 71 | 5.0 | 0.0 | Y |
| Ventura Blvd. | 10 | 1 | 500.0 | 180.0 | 0.00 | 4.92 | 0.00 | 66 | 10.0 | 8.0 | Y |

RESULTS: SOUND LEVELS

Sportmens Lodge

| | | | | | | | | | | | | |
|------------------------------|------------|--------------|----------------------------|---|-------------------|--|-----------------------------|------------------------|---|---------------------------------------|-------------|--------------------------------------|
| EE | | | | | | | | | | | | |
| Sean Bui | | | | | | | | | | | | |
| 29 July 2021 | | | | | | | | | | | | |
| TNM 2.5 | | | | | | | | | | | | |
| Calculated with TNM 2.5 | | | | | | | | | | | | |
| RESULTS: SOUND LEVELS | | | | | | | | | | | | |
| PROJECT/CONTRACT: | | | Sportmens Lodge | | | | | | | | | |
| RUN: | | | Site Landscape | | | | | | | | | |
| BARRIER DESIGN: | | | INPUT HEIGHTS | | | | | | | | | |
| ATMOSPHERICS: | | | 68 deg F, 50% RH | | | | | | | | | |
| Receiver | | | | | | | | | | | | |
| Name | No. | #DUs | Existing LAeq1h | No Barrier LAeq1h Calculated | Crit'n | Increase over existing Calculated | Crit'n Sub'l Inc | Type Impact | With Barrier Calculated LAeq1h | Noise Reduction Calculated | Goal | Calculated minus Goal |
| | | | dB | dB | dB | dB | | | dB | dB | dB | dB |
| Coldwater Cyn | 1 | 1 | 0.0 | 53.6 | 71 | 53.6 | 5 | ---- | 53.6 | 0.0 | 0 | 0.0 |
| Ventura Blvd. | 10 | 1 | 0.0 | 47.1 | 66 | 47.1 | 10 | ---- | 47.1 | 0.0 | 8 | -8.0 |
| Dwelling Units | | # DUs | Noise Reduction | | | | | | | | | |
| | | | Min dB | Avg dB | Max dB | | | | | | | |
| All Selected | | 2 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All Impacted | | 0 | 0.0 | 0.0 | 0.0 | | | | | | | |
| All that meet NR Goal | | 1 | 0.0 | 0.0 | 0.0 | | | | | | | |

Project: Sportsmen's Lodge Project

Construction Vibration Impacts

Reference Levels at 25 feet are based on FTA, 2006 (Transit Noise and Vibration Impact Assessment)

Calculations using FTA procedure with

n= 1.5 (for receptors 25 feet or greater)

n= 1.1 (for receptors less than 25 feet, per Caltrans procedure)

ON-SITE CONSTRUCTION ACTIVITIES

Table 1: Construction Equipment Vibration Levels (PPV) - Building Damage

| Equipment | Reference Vibration Levels at 25 ft., PPV | Estimated Vibration Levels at nearest off-site building structures, distance in feet, PPV | | | | | | | |
|---------------------|---|---|-------|----------------------------------|-------|--|--------|-----------------------------------|-------|
| | | Single-Family Residential Buildings to the North | | Commercial Buildings to the West | | Multi-Family Residential Buildings to the East | | Commercial Buildings to the South | |
| | | Distance | Level | Distance | Level | Distance | Level | Distance | Level |
| Large Bulldozer** | 0.089 | 130 | 0.008 | 10 | 0.244 | 10 | 0.244 | 115 | 0.009 |
| Caisson Drilling*** | 0.089 | 130 | 0.008 | 10 | 0.244 | 10 | 0.244 | 115 | 0.009 |
| Loaded Trucks** | 0.076 | 130 | 0.006 | 10 | 0.208 | 10 | 0.208 | 115 | 0.008 |
| Jackhammer*** | 0.035 | 130 | 0.003 | 10 | 0.096 | 10 | 0.096 | 115 | 0.004 |
| Small bulldozer**** | 0.003 | 130 | 0.000 | 10 | 0.008 | 10 | 0.0082 | 115 | 0.000 |

Table 2a: Construction Equipment Vibration Levels (VdB) - Human Annoyance

| Equipment | Reference Vibration Levels at 25 ft., VdB | Estimated Vibration Levels at Off-Site Receptors (at note distance in feet), VdB | | | | | | | |
|---------------------|---|--|-------|----------|-------|----------|-------|----------|-------|
| | | R1 | | R2 | | R3 | | R4 | |
| | | Distance | Level | Distance | Level | Distance | Level | Distance | Level |
| Large Bulldozer** | 87 | 130 | 66 | 140 | 65 | 415 | 50 | 480 | 49 |
| Caisson Drilling*** | 87 | 130 | 66 | 140 | 65 | 415 | 50 | 480 | 49 |
| Loaded Trucks** | 86 | 130 | 65 | 140 | 64 | 415 | 49 | 480 | 48 |
| Jackhammer*** | 79 | 130 | 58 | 140 | 57 | 415 | 42 | 480 | 41 |
| Small bulldozer**** | 58 | 130 | 37 | 140 | 36 | 415 | 21 | 480 | 20 |

Table 2b: Construction Equipment Vibration Levels (VdB) - Human Annoyance

| Equipment | Reference Vibration Levels at 25 ft., VdB | Estimated Vibration Levels at Off-Site Receptors (at note distance in feet), VdB | | | | | | | |
|---------------------|---|--|-------|----------|-------|----------|-------|--|--|
| | | R5 | | R6 | | R7 | | | |
| | | Distance | Level | Distance | Level | Distance | Level | | |
| Large Bulldozer** | 87 | 260 | 56 | 225 | 58 | 170 | 62 | | |
| Caisson Drilling*** | 87 | 260 | 56 | 225 | 58 | 170 | 62 | | |
| Loaded Trucks** | 86 | 260 | 55 | 225 | 57 | 170 | 61 | | |
| Jackhammer*** | 79 | 260 | 48 | 225 | 50 | 170 | 54 | | |
| Small bulldozer**** | 58 | 260 | 27 | 225 | 29 | 170 | 33 | | |

OFF-SITE CONSTRUCTION HAUL TRUCKS

Table 3: Off-Site Haul Trucks - Building Damage

| Equipment | Reference Vibration Levels at 50 ft., PPV | Estimated Vibration Levels at noted distance in feet, PPV | | | | | | | |
|----------------------|---|---|--|--|--|--|--|--|--|
| | | 20 | | | | | | | |
| Typical road surface | 0.00565 | 0.022 | | | | | | | |

Ref. Levels based on FTA Figure 7-3 (converted from VdB to PPV)

Table 4: Off-Site Haul Trucks - Human Annoyance

| Equipment | Reference Vibration Levels at 50 ft., VdB | Estimated Vibration Levels at noted distance in feet, VdB | | | | | | | |
|----------------------|---|---|--|--|--|--|--|--|--|
| | | 30 | | | | | | | |
| Typical road surface | 63 | 70 | | | | | | | |

Ref. Levels based on FTA Figure 7-3

Operation Noise Calculations

Project Composite Noise Calculations (CNEL)

Project: Sportsmen's Lodge SCEA

| Receptor | Ambient | Traffic ^a | Mechanical | | | Outdoor | | Project Composite | Ambient + Project | Increase |
|----------|---------|----------------------|------------|--|--|---------|--|-------------------|-------------------|----------|
| R1 | 76.6 | 59.8 | 56.0 | | | 58.7 | | 63.2 | 76.8 | 0.2 |
| R2 | 68.1 | 56.1 | 54.3 | | | 53.4 | | 59.5 | 68.7 | 0.6 |
| R3 | 74.0 | 55.8 | 42.7 | | | 41.5 | | 56.1 | 74.1 | 0.1 |
| R4 | 71.7 | 48.4 | 51.3 | | | 50.7 | | 55.0 | 71.8 | 0.1 |
| R5 | 64.0 | 49.3 | 52.9 | | | 57.1 | | 59.0 | 65.2 | 1.2 |
| R6 | 61.7 | 51.2 | 51.8 | | | 54.5 | | 57.5 | 63.1 | 1.4 |
| R7 | 58.9 | 39.7 | 54.5 | | | 56.4 | | 58.6 | 61.8 | 2.9 |

^a - Project traffic noise levels at each receptor is based on the traffic noise analysis for the roadway segment in front of the receptor, adjusted for distance and barrier (if present), as provided in the table below.

| Receptor | Roadway Segment | Traffic Noise Levels, CNEL | | | distance to roadway, ft | Future No Project | Future + Project | barrier | distance to Center Line | adj. for distance |
|----------|------------------|----------------------------|------------------|--------------|-------------------------|-------------------|------------------|---------|-------------------------|-------------------|
| | | Future No Project | Future + Project | Project Only | | | | | | |
| R1 | Coldwater Canyon | 71.3 | 71.6 | 59.8 | 10 | 71.3 | 71.6 | 0 | 40 | 0.0 |
| R2 | Coldwater Canyon | 67.5 | 67.8 | 56.1 | 65 | 71.3 | 71.6 | 0 | 40 | -3.8 |
| R3 | Ventura Blvd. | 72.1 | 72.2 | 55.8 | 10 | 72.1 | 72.2 | 0 | 43 | 0.0 |
| R4 | Ventura Blvd. | 64.7 | 64.8 | 48.4 | 200 | 72.1 | 72.2 | 0 | 43 | -7.4 |
| R5 | Ventura Blvd. | 65.7 | 65.8 | 49.3 | 155 | 72.1 | 72.2 | 0 | 43 | -6.4 |
| R6 | Ventura Blvd. | 67.5 | 67.6 | 51.2 | 90 | 72.1 | 72.2 | 0 | 43 | -4.6 |
| R7 | Coldwater Canyon | 51.1 | 51.4 | 39.7 | 385 | 71.3 | 71.6 | -10 | 40 | -10.2 |

Outdoor Mechanical Equipment Noise Calculations

Project: Sportsmen's Lodge SCEA

| Receptor | Estimated Noise Levels, Leq from SOUNDPLAN | | Hours of Operations | | |
|----------|---|------|---------------------|---------------------|---------------------|
| | Leq | CNEL | Ld (7am to 7pm) | Le (7pm to 10pm) | Ln (10pm to 7am) |
| R1 | 49.3 | 56.0 | 12 | 3 | 9 |
| R2 | 47.6 | 54.3 | 49.3 | 49.3 | 49.3 |
| R3 | 36.0 | 42.7 | 47.6 | 47.6 | 47.6 |
| R4 | 44.6 | 51.3 | 36.0 | 36.0 | 36.0 |
| R5 | 46.2 | 52.9 | 44.6 | 44.6 | 44.6 |
| R6 | 45.1 | 51.8 | 46.2 | 46.2 | 46.2 |
| R7 | 47.8 | 54.5 | 45.1 | 45.1 | 45.1 |
| | | | 47.8 | 47.8 | 47.8 |

| Receptor | Ambient CNEL | Ambient + Project (CNEL) | Increase (CNEL) | ambient (Leq) | Ambient + Project (Leq) | Increase (Leq) |
|----------|-----------------|--------------------------------|--------------------|------------------|----------------------------|-------------------|
| R1 | 76.6 | 76.6 | 0.0 | 69.6 | 69.6 | 0.0 |
| R2 | 68.1 | 68.3 | 0.2 | 61.0 | 61.2 | 0.2 |
| R3 | 74.0 | 74.0 | 0.0 | 66.5 | 66.5 | 0.0 |
| R4 | 71.7 | 71.7 | 0.0 | 61.3 | 61.4 | 0.1 |
| R5 | 64.0 | 64.3 | 0.3 | 51.9 | 52.9 | 1.0 |
| R6 | 61.7 | 62.1 | 0.4 | 54.0 | 54.5 | 0.5 |
| R7 | 58.9 | 60.2 | 1.3 | 49.6 | 51.8 | 2.2 |

For Report

| Receptor | Ambient, (Leq) | Project, (Leq) | Amb+Project, (Leq) | Criteria, (Leq) | Exceedance |
|----------|-------------------|-------------------|-----------------------|-----------------|------------|
| R1 | 69.6 | 49.3 | 69.6 | 74.6 | 0.0 |
| R2 | 61.0 | 47.6 | 61.2 | 66.0 | 0.0 |
| R3 | 66.5 | 36.0 | 66.5 | 71.5 | 0.0 |
| R4 | 61.3 | 44.6 | 61.4 | 66.3 | 0.0 |
| R5 | 51.9 | 46.2 | 52.9 | 56.9 | 0.0 |
| R6 | 54.0 | 45.1 | 54.5 | 59.0 | 0.0 |
| R7 | 49.6 | 47.8 | 51.8 | 54.6 | 0.0 |

Outdoor Noise Calculations

Project: Sportsmen's Lodge SCEA

Hours of Operations

| Estimated noise levels, Leq (FROM SOUNDPLAN) | | | | | Ld (7am to 7pm) | Le (7pm to 10pm) | Ln (10pm to 7am) |
|--|--------------|-----------|------------|------|-----------------|------------------|------------------|
| Receptor | Sound System | Occupants | Total, Leq | CNEL | 12 | 2 | 4 |
| R1 | 50.6 | 52.8 | 54.8 | 58.7 | 54.8 | 53.0 | 51.3 |
| R2 | 45.7 | 47.2 | 49.5 | 53.4 | 49.5 | 47.7 | 46.0 |
| R3 | 33.9 | 35.2 | 37.6 | 41.5 | 37.6 | 35.8 | 34.1 |
| R4 | 45.7 | 40.5 | 46.8 | 50.7 | 46.8 | 45.0 | 43.3 |
| R5 | 52.7 | 43.4 | 53.2 | 57.1 | 53.2 | 51.4 | 49.7 |
| R6 | 49.4 | 44.5 | 50.6 | 54.5 | 50.6 | 48.8 | 47.1 |
| R7 | 47.8 | 50.7 | 52.5 | 56.4 | 52.5 | 50.7 | 49.0 |

| Receptor | Ambient CNEL | Ambient + Project (CNEL) | Increase (CNEL) | ambient (Leq) | Project (Leq) | Ambient + Project (Leq) | Increase (Leq) |
|----------|--------------|--------------------------|-----------------|---------------|---------------|-------------------------|----------------|
| R1 | 76.6 | 76.7 | 0.1 | 69.6 | 54.8 | 69.7 | 0.1 |
| R2 | 68.1 | 68.2 | 0.1 | 61.0 | 49.5 | 61.3 | 0.3 |
| R3 | 74.0 | 74.0 | 0.0 | 66.5 | 37.6 | 66.5 | 0.0 |
| R4 | 71.7 | 71.7 | 0.0 | 61.3 | 46.8 | 61.5 | 0.2 |
| R5 | 64.0 | 64.8 | 0.8 | 51.9 | 53.2 | 55.6 | 3.7 |
| R6 | 61.7 | 62.5 | 0.8 | 54.0 | 50.6 | 55.6 | 1.6 |
| R7 | 58.9 | 60.8 | 1.9 | 49.6 | 52.5 | 54.3 | 4.7 |

For Report

| Receptor | Ambient, (Leq) | Project, (Leq) | Ambient + Project, (Leq) | Criteria, (Leq) | Exceedance |
|----------|----------------|----------------|--------------------------|-----------------|------------|
| R1 | 69.6 | 54.8 | 69.7 | 74.6 | 0.0 |
| R2 | 61.0 | 49.5 | 61.3 | 66.0 | 0.0 |
| R3 | 66.5 | 37.6 | 66.5 | 71.5 | 0.0 |
| R4 | 61.3 | 46.8 | 61.5 | 66.3 | 0.0 |
| R5 | 51.9 | 53.2 | 55.6 | 56.9 | 0.0 |
| R6 | 54.0 | 50.6 | 55.6 | 59.0 | 0.0 |
| R7 | 49.6 | 52.5 | 54.3 | 54.6 | 0.0 |

**Sportsmen's Lodge
Source Levels in dB(A) - Car Stackers**

3

| Name | Source type | Lw dB(A) | |
|------------------------|-------------|-------------|--|
| Car Stackers (Motor) A | Area | 84.8 | |
| Car Stackers (Motor) B | Area | 80.2 | |
| Car Stackers (Motor) C | Area | 80.9 | |
| Car Stackers (Motor) D | Area | 79.8 | |
| Car Stackers (Motor) E | Area | 81.2 | |
| Car Stackers (Motor) F | Area | 81.7 | |
| Car Stackers (Motor) G | Area | 83.2 | |
| Car Stackers (Motor) H | Area | 93.0 | |
| Car Stackers (Plate) A | Area | 83.9 | |
| Car Stackers (Plate) B | Area | 79.2 | |
| Car Stackers (Plate) C | Area | 79.9 | |
| Car Stackers (Plate) D | Area | 78.9 | |
| Car Stackers (Plate) E | Area | 80.2 | |
| Car Stackers (Plate) F | Area | 80.7 | |
| Car Stackers (Plate) G | Area | 82.2 | |
| Car Stackers (Plate) H | Area | 82.1 | |

| |
|--|
| |
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| | | |
|--|--|---|
| | AES 22801 Crespi St Woodland Hills, CA 91364 USA | 1 |
|--|--|---|

Sportsmen's Lodge Contribution level - Car Stackers

9

| Source | Source type | Leq,d dB(A) | |
|-------------------------------------|-------------|----------------|--|
| Receiver R1 Leq,d 47.9 dB(A) | | | |
| Car Stackers (Motor) A | Area | 38.6 | |
| Car Stackers (Motor) B | Area | 27.8 | |
| Car Stackers (Motor) C | Area | 26.7 | |
| Car Stackers (Motor) D | Area | 24.2 | |
| Car Stackers (Motor) E | Area | 25.4 | |
| Car Stackers (Motor) G | Area | 31.5 | |
| Car Stackers (Motor) H | Area | 46.2 | |
| Car Stackers (Motor) F | Area | 27.6 | |
| Car Stackers (Plate) A | Area | 36.9 | |
| Car Stackers (Plate) B | Area | 26.9 | |
| Car Stackers (Plate) C | Area | 25.5 | |
| Car Stackers (Plate) D | Area | 22.8 | |
| Car Stackers (Plate) E | Area | 23.9 | |
| Car Stackers (Plate) G | Area | 30.1 | |
| Car Stackers (Plate) H | Area | 32.9 | |
| Car Stackers (Plate) F | Area | 26.5 | |
| Receiver R2 Leq,d 42.5 dB(A) | | | |
| Car Stackers (Motor) A | Area | 30.9 | |
| Car Stackers (Motor) B | Area | 21.2 | |
| Car Stackers (Motor) C | Area | 20.3 | |
| Car Stackers (Motor) D | Area | 18.1 | |
| Car Stackers (Motor) E | Area | 13.2 | |
| Car Stackers (Motor) G | Area | 26.4 | |
| Car Stackers (Motor) H | Area | 41.6 | |
| Car Stackers (Motor) F | Area | 21.5 | |
| Car Stackers (Plate) A | Area | 26.1 | |
| Car Stackers (Plate) B | Area | 19.7 | |
| Car Stackers (Plate) C | Area | 18.6 | |
| Car Stackers (Plate) D | Area | 16.1 | |
| Car Stackers (Plate) E | Area | 8.0 | |
| Car Stackers (Plate) G | Area | 22.2 | |
| Car Stackers (Plate) H | Area | 26.9 | |
| Car Stackers (Plate) F | Area | 15.8 | |
| Receiver R3 Leq,d 23.5 dB(A) | | | |
| Car Stackers (Motor) A | Area | 19.1 | |
| Car Stackers (Motor) B | Area | 2.1 | |
| Car Stackers (Motor) C | Area | 1.9 | |
| Car Stackers (Motor) D | Area | 0.3 | |
| Car Stackers (Motor) E | Area | 1.1 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

**Sportsmen's Lodge
Contribution level - Car Stackers**

9

| Source | Source type | Leq,d dB(A) | |
|-------------------------------------|-------------|----------------|--|
| Car Stackers (Motor) G | Area | 5.7 | |
| Car Stackers (Motor) H | Area | 20.2 | |
| Car Stackers (Motor) F | Area | 2.6 | |
| Car Stackers (Plate) A | Area | 11.6 | |
| Car Stackers (Plate) B | Area | 0.3 | |
| Car Stackers (Plate) C | Area | 0.1 | |
| Car Stackers (Plate) D | Area | -1.7 | |
| Car Stackers (Plate) E | Area | -1.3 | |
| Car Stackers (Plate) G | Area | 3.4 | |
| Car Stackers (Plate) H | Area | 6.0 | |
| Car Stackers (Plate) F | Area | 0.5 | |
| Receiver R4 Leq,d 29.7 dB(A) | | | |
| Car Stackers (Motor) A | Area | 18.5 | |
| Car Stackers (Motor) B | Area | 15.1 | |
| Car Stackers (Motor) C | Area | 16.7 | |
| Car Stackers (Motor) D | Area | 15.4 | |
| Car Stackers (Motor) E | Area | 11.8 | |
| Car Stackers (Motor) G | Area | 18.0 | |
| Car Stackers (Motor) H | Area | 27.6 | |
| Car Stackers (Motor) F | Area | 14.3 | |
| Car Stackers (Plate) A | Area | 13.9 | |
| Car Stackers (Plate) B | Area | 6.0 | |
| Car Stackers (Plate) C | Area | 7.4 | |
| Car Stackers (Plate) D | Area | 6.8 | |
| Car Stackers (Plate) E | Area | 2.6 | |
| Car Stackers (Plate) G | Area | 10.5 | |
| Car Stackers (Plate) H | Area | 12.6 | |
| Car Stackers (Plate) F | Area | 3.6 | |
| Receiver R5 Leq,d 29.8 dB(A) | | | |
| Car Stackers (Motor) A | Area | 17.7 | |
| Car Stackers (Motor) B | Area | 18.7 | |
| Car Stackers (Motor) C | Area | 13.7 | |
| Car Stackers (Motor) D | Area | 7.8 | |
| Car Stackers (Motor) E | Area | 7.2 | |
| Car Stackers (Motor) G | Area | 24.0 | |
| Car Stackers (Motor) H | Area | 25.1 | |
| Car Stackers (Motor) F | Area | 19.4 | |
| Car Stackers (Plate) A | Area | 11.3 | |
| Car Stackers (Plate) B | Area | 13.7 | |
| Car Stackers (Plate) C | Area | 8.7 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Car Stackers**

9

| Source | Source type | Leq,d dB(A) | |
|-------------------------------------|-------------|----------------|--|
| Car Stackers (Plate) D | Area | 3.6 | |
| Car Stackers (Plate) E | Area | 2.6 | |
| Car Stackers (Plate) G | Area | 18.4 | |
| Car Stackers (Plate) H | Area | 8.9 | |
| Car Stackers (Plate) F | Area | 7.7 | |
| Receiver R6 Leq,d 32.6 dB(A) | | | |
| Car Stackers (Motor) A | Area | 20.8 | |
| Car Stackers (Motor) B | Area | 17.8 | |
| Car Stackers (Motor) C | Area | 19.5 | |
| Car Stackers (Motor) D | Area | 19.4 | |
| Car Stackers (Motor) E | Area | 20.7 | |
| Car Stackers (Motor) G | Area | 24.5 | |
| Car Stackers (Motor) H | Area | 28.1 | |
| Car Stackers (Motor) F | Area | 20.1 | |
| Car Stackers (Plate) A | Area | 17.8 | |
| Car Stackers (Plate) B | Area | 15.1 | |
| Car Stackers (Plate) C | Area | 16.7 | |
| Car Stackers (Plate) D | Area | 16.7 | |
| Car Stackers (Plate) E | Area | 12.1 | |
| Car Stackers (Plate) G | Area | 18.6 | |
| Car Stackers (Plate) H | Area | 12.1 | |
| Car Stackers (Plate) F | Area | 10.8 | |
| Receiver R7 Leq,d 47.8 dB(A) | | | |
| Car Stackers (Motor) A | Area | 37.4 | |
| Car Stackers (Motor) B | Area | 35.0 | |
| Car Stackers (Motor) C | Area | 33.2 | |
| Car Stackers (Motor) D | Area | 29.3 | |
| Car Stackers (Motor) E | Area | 29.9 | |
| Car Stackers (Motor) G | Area | 35.7 | |
| Car Stackers (Motor) H | Area | 44.1 | |
| Car Stackers (Motor) F | Area | 33.0 | |
| Car Stackers (Plate) A | Area | 36.0 | |
| Car Stackers (Plate) B | Area | 33.8 | |
| Car Stackers (Plate) C | Area | 32.2 | |
| Car Stackers (Plate) D | Area | 28.6 | |
| Car Stackers (Plate) E | Area | 29.1 | |
| Car Stackers (Plate) G | Area | 34.4 | |
| Car Stackers (Plate) H | Area | 32.7 | |
| Car Stackers (Plate) F | Area | 31.9 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Sportsmen's Lodge Contribution level - Mechanical

9

| Source | Source type | Leq,d dB(A) | |
|----------------------------|-------------|----------------|--|
| Receiver R1 Ldn 55.9 dB(A) | | | |
| Mechanical Level 1 | Point | 40.0 | |
| Mechanical Level 1 | Point | 40.5 | |
| Mechanical Level 1 | Point | 41.0 | |
| Mechanical Level 1 | Point | 41.2 | |
| Mechanical Level 1 | Point | 42.1 | |
| Mechanical Level 3 | Point | 27.7 | |
| Mechanical Level 3 | Point | 28.5 | |
| Mechanical Level 3 | Point | 28.7 | |
| Mechanical Level 3 | Point | 28.6 | |
| Mechanical Level 3 | Point | 28.5 | |
| Mechanical Level 3 | Point | 24.8 | |
| Mechanical Level 3 | Point | 29.1 | |
| Mechanical Level 3 | Point | 29.1 | |
| Mechanical Level 3 | Point | 26.7 | |
| Mechanical Level 3 | Point | 26.8 | |
| Mechanical Level 3 | Point | 26.8 | |
| Mechanical Level 3 | Point | 28.5 | |
| Mechanical Level 3 | Point | 22.6 | |
| Mechanical Level 3 | Point | 22.9 | |
| Mechanical Level 3 | Point | 23.1 | |
| Mechanical Level 3 | Point | 23.2 | |
| Mechanical Level 3 | Point | 23.2 | |
| Mechanical Level 3 | Point | 22.1 | |
| Mechanical Level 3 | Point | 30.8 | |
| Mechanical Level 3 | Point | 30.8 | |
| Mechanical Level 3 | Point | 15.9 | |
| Mechanical Level 3 | Point | 21.3 | |
| Mechanical Level 3 | Point | 19.7 | |
| Mechanical Level 6 | Point | 12.5 | |
| Mechanical Level 6 | Point | 12.6 | |
| Mechanical Level 6 | Point | 12.3 | |
| Mechanical Level 6 | Point | 12.0 | |
| Mechanical Level 6 | Point | 11.9 | |
| Mechanical Level 6 | Point | 13.5 | |
| Mechanical Level 6 | Point | 13.4 | |
| Mechanical Level 6 | Point | 13.2 | |
| Mechanical Level 6 | Point | 13.0 | |
| Mechanical Level 6 | Point | 12.8 | |
| Mechanical Level 6 | Point | 11.7 | |
| Mechanical Level 6 | Point | 11.1 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 6 | Point | 11.1 |
| Mechanical Level 6 | Point | 11.0 |
| Mechanical Level 6 | Point | 10.9 |
| Mechanical Level 6 | Point | 13.6 |
| Mechanical Level 6 | Point | 12.2 |
| Mechanical Level 6 | Point | 11.6 |
| Mechanical Level 6 | Point | 11.4 |
| Mechanical Level 6 | Point | 11.3 |
| Mechanical Level 6 | Point | 11.3 |
| Mechanical Level 6 | Point | 17.1 |
| Mechanical Level 6 | Point | 18.4 |
| Mechanical Level 6 | Point | 14.9 |
| Mechanical Level 6 | Point | 15.1 |
| Mechanical Level 7 | Point | 17.0 |
| Mechanical Level 7 | Point | 16.5 |
| Mechanical Level 7 | Point | 16.8 |
| Mechanical Level 7 | Point | 16.6 |
| Mechanical Level 7 | Point | 17.1 |
| Mechanical Level 7 | Point | 17.0 |
| Mechanical Level 7 | Point | 16.7 |
| Mechanical Level 7 | Point | 16.6 |
| Mechanical Level 7 | Point | 28.8 |
| Mechanical Level 7 | Point | 26.3 |
| Mechanical Level 7 | Point | 26.4 |
| Mechanical Level 7 | Point | 26.1 |
| Mechanical Level 7 | Point | 16.4 |
| Mechanical Level 7 | Point | 16.2 |
| Mechanical Level 7 | Point | 16.7 |
| Mechanical Level 7 | Point | 18.5 |
| Mechanical Level 7 | Point | 23.6 |
| Mechanical Level 7 | Point | 23.4 |
| Mechanical Level 7 | Point | 23.5 |
| Mechanical Level 7 | Point | 23.3 |
| Mechanical Level 7 | Point | 24.8 |
| Mechanical Level 7 | Point | 23.5 |
| Mechanical Level 7 | Point | 21.4 |
| Mechanical Level 7 | Point | 23.5 |
| Mechanical Level 7 | Point | 23.5 |
| Mechanical Level 7 | Point | 18.1 |
| Mechanical Level 7 | Point | 17.7 |
| Mechanical Level 7 | Point | 17.3 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) | |
|----------------------------|-------------|----------------|--|
| Mechanical Level 7 | Point | 23.4 | |
| Mechanical Level 7 | Point | 23.7 | |
| Mechanical Level 7 | Point | 23.8 | |
| Mechanical Level 7 | Point | 23.7 | |
| Mechanical Level 7 | Point | 13.1 | |
| Mechanical Level 7 | Point | 12.2 | |
| Mechanical Level 7 | Point | 12.3 | |
| Mechanical Level 7 | Point | 12.3 | |
| Mechanical Level 7 | Point | 13.4 | |
| Mechanical Level 7 | Point | 13.5 | |
| Mechanical Level 7 | Point | 13.5 | |
| Mechanical Level 7 | Point | 13.6 | |
| Mechanical Level 7 | Point | 16.3 | |
| Mechanical Level 7 | Point | 16.4 | |
| Mechanical Level 7 | Point | 16.6 | |
| Mechanical Level 7 | Point | 12.8 | |
| Mechanical Level 7 | Point | 12.5 | |
| Mechanical Level 7 | Point | 12.7 | |
| Mechanical Level 7 | Point | 15.8 | |
| Mechanical Level 7 | Point | 16.1 | |
| Mechanical Level 7 | Point | 21.5 | |
| Mechanical Level 7 | Point | 21.6 | |
| Mechanical Level 7 | Point | 23.6 | |
| Mechanical Level 7 | Point | 19.2 | |
| Mechanical Level 7 | Point | 26.5 | |
| Mechanical Level 7 | Point | 26.6 | |
| Mechanical Level 7 | Point | 26.6 | |
| Mechanical Level 7 | Point | 26.4 | |
| Mechanical Level 7 | Point | 18.8 | |
| Mechanical Level 7 | Point | 18.1 | |
| Mechanical Level 7 | Point | 15.9 | |
| Mechanical Level 7 | Point | 15.8 | |
| Mechanical Level 7 | Point | 19.3 | |
| Mechanical Level 7 | Point | 19.3 | |
| Mechanical Level 7 | Point | 19.3 | |
| Mechanical Level 7 | Point | 19.1 | |
| Receiver R2 Ldn 54.3 dB(A) | | | |
| Mechanical Level 1 | Point | 37.4 | |
| Mechanical Level 1 | Point | 37.7 | |
| Mechanical Level 1 | Point | 38.0 | |
| Mechanical Level 1 | Point | 38.4 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 1 | Point | 38.6 |
| Mechanical Level 3 | Point | 25.7 |
| Mechanical Level 3 | Point | 27.0 |
| Mechanical Level 3 | Point | 27.7 |
| Mechanical Level 3 | Point | 28.0 |
| Mechanical Level 3 | Point | 28.1 |
| Mechanical Level 3 | Point | 23.3 |
| Mechanical Level 3 | Point | 21.6 |
| Mechanical Level 3 | Point | 21.5 |
| Mechanical Level 3 | Point | 19.1 |
| Mechanical Level 3 | Point | 24.3 |
| Mechanical Level 3 | Point | 24.4 |
| Mechanical Level 3 | Point | 28.1 |
| Mechanical Level 3 | Point | 25.2 |
| Mechanical Level 3 | Point | 25.0 |
| Mechanical Level 3 | Point | 24.9 |
| Mechanical Level 3 | Point | 24.7 |
| Mechanical Level 3 | Point | 24.6 |
| Mechanical Level 3 | Point | 25.3 |
| Mechanical Level 3 | Point | 30.2 |
| Mechanical Level 3 | Point | 30.4 |
| Mechanical Level 3 | Point | 19.1 |
| Mechanical Level 3 | Point | 24.7 |
| Mechanical Level 3 | Point | 23.0 |
| Mechanical Level 6 | Point | 24.1 |
| Mechanical Level 6 | Point | 24.2 |
| Mechanical Level 6 | Point | 24.1 |
| Mechanical Level 6 | Point | 24.0 |
| Mechanical Level 6 | Point | 24.0 |
| Mechanical Level 6 | Point | 24.4 |
| Mechanical Level 6 | Point | 24.3 |
| Mechanical Level 6 | Point | 24.3 |
| Mechanical Level 6 | Point | 24.3 |
| Mechanical Level 6 | Point | 24.2 |
| Mechanical Level 6 | Point | 23.9 |
| Mechanical Level 6 | Point | 18.2 |
| Mechanical Level 6 | Point | 18.0 |
| Mechanical Level 6 | Point | 17.9 |
| Mechanical Level 6 | Point | 18.6 |
| Mechanical Level 6 | Point | 16.4 |
| Mechanical Level 6 | Point | 24.1 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 6 | Point | 23.9 |
| Mechanical Level 6 | Point | 23.9 |
| Mechanical Level 6 | Point | 23.8 |
| Mechanical Level 6 | Point | 18.4 |
| Mechanical Level 6 | Point | 21.7 |
| Mechanical Level 6 | Point | 23.2 |
| Mechanical Level 6 | Point | 24.3 |
| Mechanical Level 6 | Point | 23.9 |
| Mechanical Level 7 | Point | 22.9 |
| Mechanical Level 7 | Point | 23.1 |
| Mechanical Level 7 | Point | 22.8 |
| Mechanical Level 7 | Point | 18.8 |
| Mechanical Level 7 | Point | 23.8 |
| Mechanical Level 7 | Point | 23.6 |
| Mechanical Level 7 | Point | 23.4 |
| Mechanical Level 7 | Point | 23.3 |
| Mechanical Level 7 | Point | 26.6 |
| Mechanical Level 7 | Point | 26.7 |
| Mechanical Level 7 | Point | 24.5 |
| Mechanical Level 7 | Point | 24.6 |
| Mechanical Level 7 | Point | 18.4 |
| Mechanical Level 7 | Point | 18.0 |
| Mechanical Level 7 | Point | 17.8 |
| Mechanical Level 7 | Point | 19.7 |
| Mechanical Level 7 | Point | 26.5 |
| Mechanical Level 7 | Point | 26.4 |
| Mechanical Level 7 | Point | 26.4 |
| Mechanical Level 7 | Point | 23.3 |
| Mechanical Level 7 | Point | 26.5 |
| Mechanical Level 7 | Point | 26.5 |
| Mechanical Level 7 | Point | 24.7 |
| Mechanical Level 7 | Point | 26.4 |
| Mechanical Level 7 | Point | 24.3 |
| Mechanical Level 7 | Point | 24.2 |
| Mechanical Level 7 | Point | 24.1 |
| Mechanical Level 7 | Point | 23.9 |
| Mechanical Level 7 | Point | 23.4 |
| Mechanical Level 7 | Point | 24.0 |
| Mechanical Level 7 | Point | 24.3 |
| Mechanical Level 7 | Point | 24.3 |
| Mechanical Level 7 | Point | 16.2 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) | |
|-----------------------------------|-------------|----------------|--|
| Mechanical Level 7 | Point | 16.3 | |
| Mechanical Level 7 | Point | 16.3 | |
| Mechanical Level 7 | Point | 16.4 | |
| Mechanical Level 7 | Point | 16.2 | |
| Mechanical Level 7 | Point | 16.2 | |
| Mechanical Level 7 | Point | 16.2 | |
| Mechanical Level 7 | Point | 16.2 | |
| Mechanical Level 7 | Point | 18.6 | |
| Mechanical Level 7 | Point | 18.6 | |
| Mechanical Level 7 | Point | 18.6 | |
| Mechanical Level 7 | Point | 18.1 | |
| Mechanical Level 7 | Point | 16.8 | |
| Mechanical Level 7 | Point | 17.2 | |
| Mechanical Level 7 | Point | 17.6 | |
| Mechanical Level 7 | Point | 18.0 | |
| Mechanical Level 7 | Point | 20.5 | |
| Mechanical Level 7 | Point | 21.1 | |
| Mechanical Level 7 | Point | 21.1 | |
| Mechanical Level 7 | Point | 18.9 | |
| Mechanical Level 7 | Point | 24.6 | |
| Mechanical Level 7 | Point | 24.5 | |
| Mechanical Level 7 | Point | 24.2 | |
| Mechanical Level 7 | Point | 23.3 | |
| Mechanical Level 7 | Point | 18.5 | |
| Mechanical Level 7 | Point | 17.7 | |
| Mechanical Level 7 | Point | 15.6 | |
| Mechanical Level 7 | Point | 16.2 | |
| Mechanical Level 7 | Point | 19.0 | |
| Mechanical Level 7 | Point | 19.0 | |
| Mechanical Level 7 | Point | 19.0 | |
| Mechanical Level 7 | Point | 18.9 | |
| Receiver R3 Ldn 42.7 dB(A) | | | |
| Mechanical Level 1 | Point | 21.4 | |
| Mechanical Level 1 | Point | 21.7 | |
| Mechanical Level 1 | Point | 22.0 | |
| Mechanical Level 1 | Point | 22.3 | |
| Mechanical Level 1 | Point | 22.7 | |
| Mechanical Level 3 | Point | 15.1 | |
| Mechanical Level 3 | Point | 15.6 | |
| Mechanical Level 3 | Point | 15.5 | |
| Mechanical Level 3 | Point | 15.3 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 3 | Point | 15.2 |
| Mechanical Level 3 | Point | 12.9 |
| Mechanical Level 3 | Point | 11.8 |
| Mechanical Level 3 | Point | 11.8 |
| Mechanical Level 3 | Point | 9.5 |
| Mechanical Level 3 | Point | 6.9 |
| Mechanical Level 3 | Point | 7.0 |
| Mechanical Level 3 | Point | 15.1 |
| Mechanical Level 3 | Point | 7.8 |
| Mechanical Level 3 | Point | 7.6 |
| Mechanical Level 3 | Point | 7.2 |
| Mechanical Level 3 | Point | 7.1 |
| Mechanical Level 3 | Point | 7.1 |
| Mechanical Level 3 | Point | 7.7 |
| Mechanical Level 3 | Point | 14.9 |
| Mechanical Level 3 | Point | 18.8 |
| Mechanical Level 3 | Point | 9.4 |
| Mechanical Level 3 | Point | 11.4 |
| Mechanical Level 3 | Point | 9.2 |
| Mechanical Level 6 | Point | 14.4 |
| Mechanical Level 6 | Point | 14.5 |
| Mechanical Level 6 | Point | 14.3 |
| Mechanical Level 6 | Point | 14.1 |
| Mechanical Level 6 | Point | 14.0 |
| Mechanical Level 6 | Point | 14.9 |
| Mechanical Level 6 | Point | 14.9 |
| Mechanical Level 6 | Point | 14.8 |
| Mechanical Level 6 | Point | 14.7 |
| Mechanical Level 6 | Point | 14.6 |
| Mechanical Level 6 | Point | 13.9 |
| Mechanical Level 6 | Point | 13.4 |
| Mechanical Level 6 | Point | 13.3 |
| Mechanical Level 6 | Point | 13.2 |
| Mechanical Level 6 | Point | 15.5 |
| Mechanical Level 6 | Point | 15.5 |
| Mechanical Level 6 | Point | 14.2 |
| Mechanical Level 6 | Point | 13.8 |
| Mechanical Level 6 | Point | 13.7 |
| Mechanical Level 6 | Point | 13.6 |
| Mechanical Level 6 | Point | 13.5 |
| Mechanical Level 6 | Point | 13.7 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 6 | Point | 14.6 |
| Mechanical Level 6 | Point | 14.9 |
| Mechanical Level 6 | Point | 14.8 |
| Mechanical Level 7 | Point | 14.6 |
| Mechanical Level 7 | Point | 14.7 |
| Mechanical Level 7 | Point | 14.5 |
| Mechanical Level 7 | Point | 14.3 |
| Mechanical Level 7 | Point | 15.1 |
| Mechanical Level 7 | Point | 15.0 |
| Mechanical Level 7 | Point | 14.9 |
| Mechanical Level 7 | Point | 14.8 |
| Mechanical Level 7 | Point | 17.0 |
| Mechanical Level 7 | Point | 14.7 |
| Mechanical Level 7 | Point | 14.8 |
| Mechanical Level 7 | Point | 14.9 |
| Mechanical Level 7 | Point | 14.2 |
| Mechanical Level 7 | Point | 14.1 |
| Mechanical Level 7 | Point | 16.4 |
| Mechanical Level 7 | Point | 16.4 |
| Mechanical Level 7 | Point | 17.8 |
| Mechanical Level 7 | Point | 15.0 |
| Mechanical Level 7 | Point | 17.8 |
| Mechanical Level 7 | Point | 15.0 |
| Mechanical Level 7 | Point | 17.8 |
| Mechanical Level 7 | Point | 17.8 |
| Mechanical Level 7 | Point | 17.8 |
| Mechanical Level 7 | Point | 17.8 |
| Mechanical Level 7 | Point | 15.5 |
| Mechanical Level 7 | Point | 15.5 |
| Mechanical Level 7 | Point | 15.4 |
| Mechanical Level 7 | Point | 15.2 |
| Mechanical Level 7 | Point | 15.0 |
| Mechanical Level 7 | Point | 15.4 |
| Mechanical Level 7 | Point | 15.6 |
| Mechanical Level 7 | Point | 15.6 |
| Mechanical Level 7 | Point | 14.2 |
| Mechanical Level 7 | Point | 14.1 |
| Mechanical Level 7 | Point | 13.9 |
| Mechanical Level 7 | Point | 13.9 |
| Mechanical Level 7 | Point | 14.8 |
| Mechanical Level 7 | Point | 14.8 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) | |
|-----------------------------------|-------------|----------------|--|
| Mechanical Level 7 | Point | 14.5 | |
| Mechanical Level 7 | Point | 14.4 | |
| Mechanical Level 7 | Point | 13.9 | |
| Mechanical Level 7 | Point | 13.9 | |
| Mechanical Level 7 | Point | 13.9 | |
| Mechanical Level 7 | Point | 13.9 | |
| Mechanical Level 7 | Point | 13.9 | |
| Mechanical Level 7 | Point | 13.9 | |
| Mechanical Level 7 | Point | 13.9 | |
| Mechanical Level 7 | Point | 13.9 | |
| Mechanical Level 7 | Point | 12.2 | |
| Mechanical Level 7 | Point | 15.4 | |
| Mechanical Level 7 | Point | 15.3 | |
| Mechanical Level 7 | Point | 13.2 | |
| Mechanical Level 7 | Point | 15.0 | |
| Mechanical Level 7 | Point | 15.1 | |
| Mechanical Level 7 | Point | 15.2 | |
| Mechanical Level 7 | Point | 14.5 | |
| Mechanical Level 7 | Point | 13.9 | |
| Mechanical Level 7 | Point | 13.5 | |
| Mechanical Level 7 | Point | 12.2 | |
| Mechanical Level 7 | Point | 14.8 | |
| Mechanical Level 7 | Point | 13.4 | |
| Mechanical Level 7 | Point | 13.8 | |
| Mechanical Level 7 | Point | 13.9 | |
| Mechanical Level 7 | Point | 14.0 | |
| Receiver R4 Ldn 51.2 dB(A) | | | |
| Mechanical Level 1 | Point | 29.7 | |
| Mechanical Level 1 | Point | 29.7 | |
| Mechanical Level 1 | Point | 29.8 | |
| Mechanical Level 1 | Point | 29.8 | |
| Mechanical Level 1 | Point | 29.8 | |
| Mechanical Level 3 | Point | 26.7 | |
| Mechanical Level 3 | Point | 26.7 | |
| Mechanical Level 3 | Point | 26.6 | |
| Mechanical Level 3 | Point | 26.5 | |
| Mechanical Level 3 | Point | 26.4 | |
| Mechanical Level 3 | Point | 23.6 | |
| Mechanical Level 3 | Point | 12.0 | |
| Mechanical Level 3 | Point | 9.5 | |
| Mechanical Level 3 | Point | 9.6 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 3 | Point | 9.6 |
| Mechanical Level 3 | Point | 7.1 |
| Mechanical Level 3 | Point | 26.4 |
| Mechanical Level 3 | Point | 10.3 |
| Mechanical Level 3 | Point | 10.2 |
| Mechanical Level 3 | Point | 10.2 |
| Mechanical Level 3 | Point | 10.1 |
| Mechanical Level 3 | Point | 7.2 |
| Mechanical Level 3 | Point | 10.2 |
| Mechanical Level 3 | Point | 24.9 |
| Mechanical Level 3 | Point | 18.1 |
| Mechanical Level 3 | Point | 7.5 |
| Mechanical Level 3 | Point | 10.2 |
| Mechanical Level 3 | Point | 10.3 |
| Mechanical Level 6 | Point | 24.9 |
| Mechanical Level 6 | Point | 25.0 |
| Mechanical Level 6 | Point | 24.9 |
| Mechanical Level 6 | Point | 24.8 |
| Mechanical Level 6 | Point | 24.7 |
| Mechanical Level 6 | Point | 25.2 |
| Mechanical Level 6 | Point | 25.2 |
| Mechanical Level 6 | Point | 25.1 |
| Mechanical Level 6 | Point | 25.1 |
| Mechanical Level 6 | Point | 25.0 |
| Mechanical Level 6 | Point | 24.7 |
| Mechanical Level 6 | Point | 24.4 |
| Mechanical Level 6 | Point | 24.4 |
| Mechanical Level 6 | Point | 24.3 |
| Mechanical Level 6 | Point | 27.0 |
| Mechanical Level 6 | Point | 26.9 |
| Mechanical Level 6 | Point | 24.8 |
| Mechanical Level 6 | Point | 24.6 |
| Mechanical Level 6 | Point | 24.6 |
| Mechanical Level 6 | Point | 24.5 |
| Mechanical Level 6 | Point | 24.5 |
| Mechanical Level 6 | Point | 23.9 |
| Mechanical Level 6 | Point | 25.4 |
| Mechanical Level 6 | Point | 25.3 |
| Mechanical Level 6 | Point | 25.4 |
| Mechanical Level 7 | Point | 23.8 |
| Mechanical Level 7 | Point | 23.8 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 7 | Point | 23.7 |
| Mechanical Level 7 | Point | 23.7 |
| Mechanical Level 7 | Point | 24.0 |
| Mechanical Level 7 | Point | 24.0 |
| Mechanical Level 7 | Point | 23.9 |
| Mechanical Level 7 | Point | 23.9 |
| Mechanical Level 7 | Point | 21.3 |
| Mechanical Level 7 | Point | 19.8 |
| Mechanical Level 7 | Point | 23.0 |
| Mechanical Level 7 | Point | 23.1 |
| Mechanical Level 7 | Point | 19.6 |
| Mechanical Level 7 | Point | 19.5 |
| Mechanical Level 7 | Point | 19.4 |
| Mechanical Level 7 | Point | 21.9 |
| Mechanical Level 7 | Point | 26.9 |
| Mechanical Level 7 | Point | 23.9 |
| Mechanical Level 7 | Point | 23.9 |
| Mechanical Level 7 | Point | 24.0 |
| Mechanical Level 7 | Point | 26.9 |
| Mechanical Level 7 | Point | 29.3 |
| Mechanical Level 7 | Point | 29.3 |
| Mechanical Level 7 | Point | 26.9 |
| Mechanical Level 7 | Point | 24.2 |
| Mechanical Level 7 | Point | 24.1 |
| Mechanical Level 7 | Point | 24.1 |
| Mechanical Level 7 | Point | 24.0 |
| Mechanical Level 7 | Point | 24.0 |
| Mechanical Level 7 | Point | 24.3 |
| Mechanical Level 7 | Point | 24.2 |
| Mechanical Level 7 | Point | 24.2 |
| Mechanical Level 7 | Point | 21.1 |
| Mechanical Level 7 | Point | 20.9 |
| Mechanical Level 7 | Point | 20.7 |
| Mechanical Level 7 | Point | 20.3 |
| Mechanical Level 7 | Point | 21.5 |
| Mechanical Level 7 | Point | 21.5 |
| Mechanical Level 7 | Point | 21.4 |
| Mechanical Level 7 | Point | 21.3 |
| Mechanical Level 7 | Point | 19.6 |
| Mechanical Level 7 | Point | 19.5 |
| Mechanical Level 7 | Point | 19.4 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) | |
|-----------------------------------|-------------|----------------|--|
| Mechanical Level 7 | Point | 21.7 | |
| Mechanical Level 7 | Point | 20.1 | |
| Mechanical Level 7 | Point | 20.0 | |
| Mechanical Level 7 | Point | 19.8 | |
| Mechanical Level 7 | Point | 19.7 | |
| Mechanical Level 7 | Point | 18.5 | |
| Mechanical Level 7 | Point | 18.3 | |
| Mechanical Level 7 | Point | 15.8 | |
| Mechanical Level 7 | Point | 15.8 | |
| Mechanical Level 7 | Point | 24.4 | |
| Mechanical Level 7 | Point | 24.4 | |
| Mechanical Level 7 | Point | 24.5 | |
| Mechanical Level 7 | Point | 24.1 | |
| Mechanical Level 7 | Point | 16.2 | |
| Mechanical Level 7 | Point | 16.4 | |
| Mechanical Level 7 | Point | 15.2 | |
| Mechanical Level 7 | Point | 18.0 | |
| Mechanical Level 7 | Point | 15.8 | |
| Mechanical Level 7 | Point | 15.8 | |
| Mechanical Level 7 | Point | 15.9 | |
| Mechanical Level 7 | Point | 16.0 | |
| Receiver R5 Ldn 52.9 dB(A) | | | |
| Mechanical Level 1 | Point | 29.6 | |
| Mechanical Level 1 | Point | 29.6 | |
| Mechanical Level 1 | Point | 29.6 | |
| Mechanical Level 1 | Point | 29.5 | |
| Mechanical Level 1 | Point | 29.5 | |
| Mechanical Level 3 | Point | 16.5 | |
| Mechanical Level 3 | Point | 15.2 | |
| Mechanical Level 3 | Point | 14.7 | |
| Mechanical Level 3 | Point | 14.4 | |
| Mechanical Level 3 | Point | 14.3 | |
| Mechanical Level 3 | Point | 22.9 | |
| Mechanical Level 3 | Point | 11.9 | |
| Mechanical Level 3 | Point | 11.9 | |
| Mechanical Level 3 | Point | 11.9 | |
| Mechanical Level 3 | Point | 9.5 | |
| Mechanical Level 3 | Point | 9.5 | |
| Mechanical Level 3 | Point | 13.2 | |
| Mechanical Level 3 | Point | 9.5 | |
| Mechanical Level 3 | Point | 9.5 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 3 | Point | 9.5 |
| Mechanical Level 3 | Point | 9.5 |
| Mechanical Level 3 | Point | 9.5 |
| Mechanical Level 3 | Point | 11.9 |
| Mechanical Level 3 | Point | 16.4 |
| Mechanical Level 3 | Point | 12.7 |
| Mechanical Level 3 | Point | 11.9 |
| Mechanical Level 3 | Point | 11.9 |
| Mechanical Level 3 | Point | 11.9 |
| Mechanical Level 6 | Point | 30.4 |
| Mechanical Level 6 | Point | 30.4 |
| Mechanical Level 6 | Point | 30.4 |
| Mechanical Level 6 | Point | 30.3 |
| Mechanical Level 6 | Point | 30.2 |
| Mechanical Level 6 | Point | 30.6 |
| Mechanical Level 6 | Point | 30.6 |
| Mechanical Level 6 | Point | 30.5 |
| Mechanical Level 6 | Point | 30.5 |
| Mechanical Level 6 | Point | 30.5 |
| Mechanical Level 6 | Point | 30.1 |
| Mechanical Level 6 | Point | 29.8 |
| Mechanical Level 6 | Point | 29.8 |
| Mechanical Level 6 | Point | 29.7 |
| Mechanical Level 6 | Point | 29.7 |
| Mechanical Level 6 | Point | 31.2 |
| Mechanical Level 6 | Point | 30.3 |
| Mechanical Level 6 | Point | 30.1 |
| Mechanical Level 6 | Point | 30.0 |
| Mechanical Level 6 | Point | 30.0 |
| Mechanical Level 6 | Point | 29.9 |
| Mechanical Level 6 | Point | 30.6 |
| Mechanical Level 6 | Point | 30.6 |
| Mechanical Level 6 | Point | 30.6 |
| Mechanical Level 6 | Point | 30.6 |
| Mechanical Level 7 | Point | 20.9 |
| Mechanical Level 7 | Point | 20.9 |
| Mechanical Level 7 | Point | 20.9 |
| Mechanical Level 7 | Point | 20.8 |
| Mechanical Level 7 | Point | 21.0 |
| Mechanical Level 7 | Point | 21.0 |
| Mechanical Level 7 | Point | 21.0 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 7 | Point | 20.9 |
| Mechanical Level 7 | Point | 17.6 |
| Mechanical Level 7 | Point | 17.6 |
| Mechanical Level 7 | Point | 17.7 |
| Mechanical Level 7 | Point | 17.7 |
| Mechanical Level 7 | Point | 20.8 |
| Mechanical Level 7 | Point | 20.8 |
| Mechanical Level 7 | Point | 20.8 |
| Mechanical Level 7 | Point | 23.3 |
| Mechanical Level 7 | Point | 25.9 |
| Mechanical Level 7 | Point | 26.3 |
| Mechanical Level 7 | Point | 26.2 |
| Mechanical Level 7 | Point | 26.0 |
| Mechanical Level 7 | Point | 25.7 |
| Mechanical Level 7 | Point | 27.7 |
| Mechanical Level 7 | Point | 27.7 |
| Mechanical Level 7 | Point | 26.1 |
| Mechanical Level 7 | Point | 21.7 |
| Mechanical Level 7 | Point | 21.0 |
| Mechanical Level 7 | Point | 21.0 |
| Mechanical Level 7 | Point | 21.0 |
| Mechanical Level 7 | Point | 26.3 |
| Mechanical Level 7 | Point | 26.0 |
| Mechanical Level 7 | Point | 26.0 |
| Mechanical Level 7 | Point | 26.0 |
| Mechanical Level 7 | Point | 20.3 |
| Mechanical Level 7 | Point | 20.1 |
| Mechanical Level 7 | Point | 19.9 |
| Mechanical Level 7 | Point | 19.6 |
| Mechanical Level 7 | Point | 21.3 |
| Mechanical Level 7 | Point | 21.1 |
| Mechanical Level 7 | Point | 20.8 |
| Mechanical Level 7 | Point | 20.6 |
| Mechanical Level 7 | Point | 18.1 |
| Mechanical Level 7 | Point | 17.9 |
| Mechanical Level 7 | Point | 19.9 |
| Mechanical Level 7 | Point | 19.9 |
| Mechanical Level 7 | Point | 19.4 |
| Mechanical Level 7 | Point | 19.2 |
| Mechanical Level 7 | Point | 18.9 |
| Mechanical Level 7 | Point | 18.3 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) | |
|----------------------------|-------------|----------------|--|
| Mechanical Level 7 | Point | 18.8 | |
| Mechanical Level 7 | Point | 16.2 | |
| Mechanical Level 7 | Point | 16.1 | |
| Mechanical Level 7 | Point | 16.1 | |
| Mechanical Level 7 | Point | 17.7 | |
| Mechanical Level 7 | Point | 17.8 | |
| Mechanical Level 7 | Point | 17.8 | |
| Mechanical Level 7 | Point | 18.0 | |
| Mechanical Level 7 | Point | 16.0 | |
| Mechanical Level 7 | Point | 16.0 | |
| Mechanical Level 7 | Point | 16.0 | |
| Mechanical Level 7 | Point | 20.3 | |
| Mechanical Level 7 | Point | 16.1 | |
| Mechanical Level 7 | Point | 16.1 | |
| Mechanical Level 7 | Point | 16.1 | |
| Mechanical Level 7 | Point | 16.1 | |
| Receiver R6 Ldn 51.8 dB(A) | | | |
| Mechanical Level 1 | Point | 8.2 | |
| Mechanical Level 1 | Point | 7.6 | |
| Mechanical Level 1 | Point | 8.3 | |
| Mechanical Level 1 | Point | 8.5 | |
| Mechanical Level 1 | Point | 8.7 | |
| Mechanical Level 3 | Point | 11.8 | |
| Mechanical Level 3 | Point | 10.4 | |
| Mechanical Level 3 | Point | 10.4 | |
| Mechanical Level 3 | Point | 10.4 | |
| Mechanical Level 3 | Point | 10.5 | |
| Mechanical Level 3 | Point | 12.8 | |
| Mechanical Level 3 | Point | 20.4 | |
| Mechanical Level 3 | Point | 24.2 | |
| Mechanical Level 3 | Point | 25.7 | |
| Mechanical Level 3 | Point | 26.6 | |
| Mechanical Level 3 | Point | 18.0 | |
| Mechanical Level 3 | Point | 10.5 | |
| Mechanical Level 3 | Point | 12.8 | |
| Mechanical Level 3 | Point | 13.0 | |
| Mechanical Level 3 | Point | 13.2 | |
| Mechanical Level 3 | Point | 9.9 | |
| Mechanical Level 3 | Point | 10.0 | |
| Mechanical Level 3 | Point | 12.3 | |
| Mechanical Level 3 | Point | 10.7 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 3 | Point | 7.9 |
| Mechanical Level 3 | Point | 14.5 |
| Mechanical Level 3 | Point | 12.2 |
| Mechanical Level 3 | Point | 13.4 |
| Mechanical Level 6 | Point | 28.0 |
| Mechanical Level 6 | Point | 27.9 |
| Mechanical Level 6 | Point | 28.1 |
| Mechanical Level 6 | Point | 28.3 |
| Mechanical Level 6 | Point | 28.4 |
| Mechanical Level 6 | Point | 27.5 |
| Mechanical Level 6 | Point | 27.6 |
| Mechanical Level 6 | Point | 27.7 |
| Mechanical Level 6 | Point | 27.7 |
| Mechanical Level 6 | Point | 27.8 |
| Mechanical Level 6 | Point | 28.4 |
| Mechanical Level 6 | Point | 29.0 |
| Mechanical Level 6 | Point | 29.1 |
| Mechanical Level 6 | Point | 29.2 |
| Mechanical Level 6 | Point | 29.2 |
| Mechanical Level 6 | Point | 28.2 |
| Mechanical Level 6 | Point | 28.2 |
| Mechanical Level 6 | Point | 28.5 |
| Mechanical Level 6 | Point | 28.6 |
| Mechanical Level 6 | Point | 28.8 |
| Mechanical Level 6 | Point | 28.9 |
| Mechanical Level 6 | Point | 29.7 |
| Mechanical Level 6 | Point | 29.7 |
| Mechanical Level 6 | Point | 27.4 |
| Mechanical Level 6 | Point | 27.4 |
| Mechanical Level 7 | Point | 20.9 |
| Mechanical Level 7 | Point | 20.7 |
| Mechanical Level 7 | Point | 21.2 |
| Mechanical Level 7 | Point | 21.4 |
| Mechanical Level 7 | Point | 20.2 |
| Mechanical Level 7 | Point | 20.3 |
| Mechanical Level 7 | Point | 20.3 |
| Mechanical Level 7 | Point | 20.4 |
| Mechanical Level 7 | Point | 14.7 |
| Mechanical Level 7 | Point | 16.7 |
| Mechanical Level 7 | Point | 16.8 |
| Mechanical Level 7 | Point | 16.8 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 7 | Point | 21.6 |
| Mechanical Level 7 | Point | 21.9 |
| Mechanical Level 7 | Point | 22.4 |
| Mechanical Level 7 | Point | 21.4 |
| Mechanical Level 7 | Point | 21.0 |
| Mechanical Level 7 | Point | 22.6 |
| Mechanical Level 7 | Point | 22.6 |
| Mechanical Level 7 | Point | 22.1 |
| Mechanical Level 7 | Point | 20.8 |
| Mechanical Level 7 | Point | 22.3 |
| Mechanical Level 7 | Point | 22.2 |
| Mechanical Level 7 | Point | 21.2 |
| Mechanical Level 7 | Point | 20.0 |
| Mechanical Level 7 | Point | 20.0 |
| Mechanical Level 7 | Point | 20.1 |
| Mechanical Level 7 | Point | 20.1 |
| Mechanical Level 7 | Point | 22.5 |
| Mechanical Level 7 | Point | 19.8 |
| Mechanical Level 7 | Point | 19.9 |
| Mechanical Level 7 | Point | 19.9 |
| Mechanical Level 7 | Point | 27.2 |
| Mechanical Level 7 | Point | 27.1 |
| Mechanical Level 7 | Point | 27.0 |
| Mechanical Level 7 | Point | 27.0 |
| Mechanical Level 7 | Point | 27.3 |
| Mechanical Level 7 | Point | 27.5 |
| Mechanical Level 7 | Point | 27.4 |
| Mechanical Level 7 | Point | 27.3 |
| Mechanical Level 7 | Point | 26.6 |
| Mechanical Level 7 | Point | 26.5 |
| Mechanical Level 7 | Point | 28.9 |
| Mechanical Level 7 | Point | 28.9 |
| Mechanical Level 7 | Point | 26.9 |
| Mechanical Level 7 | Point | 26.8 |
| Mechanical Level 7 | Point | 26.7 |
| Mechanical Level 7 | Point | 26.6 |
| Mechanical Level 7 | Point | 19.7 |
| Mechanical Level 7 | Point | 17.3 |
| Mechanical Level 7 | Point | 18.9 |
| Mechanical Level 7 | Point | 19.3 |
| Mechanical Level 7 | Point | 16.7 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) | |
|-----------------------------------|-------------|----------------|--|
| Mechanical Level 7 | Point | 16.7 | |
| Mechanical Level 7 | Point | 16.7 | |
| Mechanical Level 7 | Point | 16.8 | |
| Mechanical Level 7 | Point | 17.7 | |
| Mechanical Level 7 | Point | 17.4 | |
| Mechanical Level 7 | Point | 19.5 | |
| Mechanical Level 7 | Point | 26.3 | |
| Mechanical Level 7 | Point | 19.0 | |
| Mechanical Level 7 | Point | 18.6 | |
| Mechanical Level 7 | Point | 18.3 | |
| Mechanical Level 7 | Point | 18.0 | |
| Receiver R7 Ldn 54.4 dB(A) | | | |
| Mechanical Level 1 | Point | 29.5 | |
| Mechanical Level 1 | Point | 30.6 | |
| Mechanical Level 1 | Point | 31.8 | |
| Mechanical Level 1 | Point | 35.7 | |
| Mechanical Level 1 | Point | 35.5 | |
| Mechanical Level 3 | Point | 32.6 | |
| Mechanical Level 3 | Point | 32.6 | |
| Mechanical Level 3 | Point | 32.7 | |
| Mechanical Level 3 | Point | 32.7 | |
| Mechanical Level 3 | Point | 32.8 | |
| Mechanical Level 3 | Point | 35.0 | |
| Mechanical Level 3 | Point | 30.6 | |
| Mechanical Level 3 | Point | 32.5 | |
| Mechanical Level 3 | Point | 31.1 | |
| Mechanical Level 3 | Point | 31.3 | |
| Mechanical Level 3 | Point | 28.7 | |
| Mechanical Level 3 | Point | 32.8 | |
| Mechanical Level 3 | Point | 31.8 | |
| Mechanical Level 3 | Point | 31.7 | |
| Mechanical Level 3 | Point | 31.6 | |
| Mechanical Level 3 | Point | 31.5 | |
| Mechanical Level 3 | Point | 31.5 | |
| Mechanical Level 3 | Point | 31.8 | |
| Mechanical Level 3 | Point | 32.9 | |
| Mechanical Level 3 | Point | 32.8 | |
| Mechanical Level 3 | Point | 26.5 | |
| Mechanical Level 3 | Point | 31.9 | |
| Mechanical Level 3 | Point | 31.7 | |
| Mechanical Level 6 | Point | 13.8 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 6 | Point | 13.6 |
| Mechanical Level 6 | Point | 14.0 |
| Mechanical Level 6 | Point | 13.9 |
| Mechanical Level 6 | Point | 13.9 |
| Mechanical Level 6 | Point | 13.7 |
| Mechanical Level 6 | Point | 13.7 |
| Mechanical Level 6 | Point | 13.7 |
| Mechanical Level 6 | Point | 13.6 |
| Mechanical Level 6 | Point | 13.6 |
| Mechanical Level 6 | Point | 13.9 |
| Mechanical Level 6 | Point | 13.6 |
| Mechanical Level 6 | Point | 13.5 |
| Mechanical Level 6 | Point | 13.4 |
| Mechanical Level 6 | Point | 13.3 |
| Mechanical Level 6 | Point | 13.3 |
| Mechanical Level 6 | Point | 14.0 |
| Mechanical Level 6 | Point | 13.9 |
| Mechanical Level 6 | Point | 13.8 |
| Mechanical Level 6 | Point | 13.7 |
| Mechanical Level 6 | Point | 13.7 |
| Mechanical Level 6 | Point | 13.8 |
| Mechanical Level 6 | Point | 13.8 |
| Mechanical Level 6 | Point | 13.8 |
| Mechanical Level 6 | Point | 13.8 |
| Mechanical Level 6 | Point | 13.8 |
| Mechanical Level 6 | Point | 13.8 |
| Mechanical Level 7 | Point | 17.7 |
| Mechanical Level 7 | Point | 17.4 |
| Mechanical Level 7 | Point | 17.7 |
| Mechanical Level 7 | Point | 17.7 |
| Mechanical Level 7 | Point | 17.2 |
| Mechanical Level 7 | Point | 17.1 |
| Mechanical Level 7 | Point | 17.1 |
| Mechanical Level 7 | Point | 17.0 |
| Mechanical Level 7 | Point | 27.8 |
| Mechanical Level 7 | Point | 27.8 |
| Mechanical Level 7 | Point | 27.8 |
| Mechanical Level 7 | Point | 28.5 |
| Mechanical Level 7 | Point | 17.6 |
| Mechanical Level 7 | Point | 17.5 |
| Mechanical Level 7 | Point | 17.4 |
| Mechanical Level 7 | Point | 17.3 |
| Mechanical Level 7 | Point | 16.7 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) |
|--------------------|-------------|----------------|
| Mechanical Level 7 | Point | 16.3 |
| Mechanical Level 7 | Point | 16.4 |
| Mechanical Level 7 | Point | 18.2 |
| Mechanical Level 7 | Point | 16.7 |
| Mechanical Level 7 | Point | 16.4 |
| Mechanical Level 7 | Point | 15.4 |
| Mechanical Level 7 | Point | 16.6 |
| Mechanical Level 7 | Point | 17.3 |
| Mechanical Level 7 | Point | 17.3 |
| Mechanical Level 7 | Point | 17.3 |
| Mechanical Level 7 | Point | 17.2 |
| Mechanical Level 7 | Point | 16.1 |
| Mechanical Level 7 | Point | 18.1 |
| Mechanical Level 7 | Point | 17.6 |
| Mechanical Level 7 | Point | 17.4 |
| Mechanical Level 7 | Point | 15.1 |
| Mechanical Level 7 | Point | 15.3 |
| Mechanical Level 7 | Point | 15.6 |
| Mechanical Level 7 | Point | 15.8 |
| Mechanical Level 7 | Point | 16.3 |
| Mechanical Level 7 | Point | 14.4 |
| Mechanical Level 7 | Point | 14.6 |
| Mechanical Level 7 | Point | 14.8 |
| Mechanical Level 7 | Point | 17.3 |
| Mechanical Level 7 | Point | 17.3 |
| Mechanical Level 7 | Point | 17.0 |
| Mechanical Level 7 | Point | 15.7 |
| Mechanical Level 7 | Point | 16.1 |
| Mechanical Level 7 | Point | 16.4 |
| Mechanical Level 7 | Point | 16.7 |
| Mechanical Level 7 | Point | 17.0 |
| Mechanical Level 7 | Point | 27.8 |
| Mechanical Level 7 | Point | 27.5 |
| Mechanical Level 7 | Point | 25.1 |
| Mechanical Level 7 | Point | 25.1 |
| Mechanical Level 7 | Point | 28.5 |
| Mechanical Level 7 | Point | 27.8 |
| Mechanical Level 7 | Point | 27.8 |
| Mechanical Level 7 | Point | 27.8 |
| Mechanical Level 7 | Point | 28.1 |
| Mechanical Level 7 | Point | 25.5 |
| Mechanical Level 7 | Point | 25.6 |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

**Sportsmen's Lodge
Contribution level - Mechanical**

9

| Source | Source type | Leq,d dB(A) | |
|--------------------|-------------|----------------|--|
| Mechanical Level 7 | Point | 24.9 | |
| Mechanical Level 7 | Point | 16.3 | |
| Mechanical Level 7 | Point | 25.2 | |
| Mechanical Level 7 | Point | 25.3 | |
| Mechanical Level 7 | Point | 25.4 | |
| Mechanical Level 7 | Point | 25.4 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
21

Sportsmen's Lodge Source Levels in dB(A) - People

3

| Name | Source type | Lw dB(A) | |
|-------------------------------------|-------------|-------------|--|
| Level 1 Open Air Plaza | Area | 97.8 | |
| Level 1 Open Space Building 1 N | Area | 90.6 | |
| Level 1 Open Space Building 1 South | Area | 88.3 | |
| Level 1 Open Space Building 2 SW | Area | 86.7 | |
| Level 1 Open Space Building 2 W | Area | 87.7 | |
| Level 1 Open Space Building 3 | Area | 91.2 | |
| Level 1 Residential Courtyard | Area | 99.6 | |
| Level 3 Amenity Deck | Area | 89.9 | |
| Level 7 Pool Deck | Area | 95.1 | |
| Level P1 Open Space East | Area | 92.5 | |
| Level P1 Open Space West | Area | 90.9 | |

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| | AES 22801 Crespi St Woodland Hills, CA 91364 USA | 1 |
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Sportsmen's Lodge Contribution level - People

9

| Source | Source type | Leq,d dB(A) | |
|-------------------------------------|-------------|----------------|--|
| Receiver R1 Leq,d 52.8 dB(A) | | | |
| Level 1 Open Air Plaza | Area | 24.3 | |
| Level 1 Open Space Building 1 N | Area | 26.1 | |
| Level 1 Open Space Building 1 South | Area | 5.0 | |
| Level 1 Open Space Building 2 SW | Area | 35.6 | |
| Level 1 Open Space Building 2 W | Area | 42.8 | |
| Level 1 Open Space Building 3 | Area | 48.7 | |
| Level 1 Residential Courtyard | Area | 28.4 | |
| Level 3 Amenity Deck | Area | 33.0 | |
| Level 7 Pool Deck | Area | 34.7 | |
| Level P1 Open Space East | Area | 45.2 | |
| Level P1 Open Space West | Area | 47.4 | |
| Receiver R2 Leq,d 47.2 dB(A) | | | |
| Level 1 Open Air Plaza | Area | 27.6 | |
| Level 1 Open Space Building 1 N | Area | 25.7 | |
| Level 1 Open Space Building 1 South | Area | 14.4 | |
| Level 1 Open Space Building 2 SW | Area | 33.7 | |
| Level 1 Open Space Building 2 W | Area | 24.8 | |
| Level 1 Open Space Building 3 | Area | 46.4 | |
| Level 1 Residential Courtyard | Area | 23.3 | |
| Level 3 Amenity Deck | Area | 15.6 | |
| Level 7 Pool Deck | Area | 35.8 | |
| Level P1 Open Space East | Area | 15.8 | |
| Level P1 Open Space West | Area | 30.3 | |
| Receiver R3 Leq,d 35.2 dB(A) | | | |
| Level 1 Open Air Plaza | Area | 24.0 | |
| Level 1 Open Space Building 1 N | Area | 13.3 | |
| Level 1 Open Space Building 1 South | Area | 17.4 | |
| Level 1 Open Space Building 2 SW | Area | 13.1 | |
| Level 1 Open Space Building 2 W | Area | 14.1 | |
| Level 1 Open Space Building 3 | Area | 33.8 | |
| Level 1 Residential Courtyard | Area | 23.0 | |
| Level 3 Amenity Deck | Area | 10.4 | |
| Level 7 Pool Deck | Area | 23.0 | |
| Level P1 Open Space East | Area | 11.0 | |
| Level P1 Open Space West | Area | 19.1 | |
| Receiver R4 Leq,d 40.5 dB(A) | | | |
| Level 1 Open Air Plaza | Area | 37.9 | |
| Level 1 Open Space Building 1 N | Area | 16.3 | |
| Level 1 Open Space Building 1 South | Area | 25.6 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
1

Sportsmen's Lodge Contribution level - People

9

| Source | Source type | Leq,d dB(A) | |
|-------------------------------------|-------------|----------------|--|
| Level 1 Open Space Building 2 SW | Area | 24.6 | |
| Level 1 Open Space Building 2 W | Area | 24.0 | |
| Level 1 Open Space Building 3 | Area | 27.1 | |
| Level 1 Residential Courtyard | Area | 28.0 | |
| Level 3 Amenity Deck | Area | 7.5 | |
| Level 7 Pool Deck | Area | 34.7 | |
| Level P1 Open Space East | Area | 9.3 | |
| Level P1 Open Space West | Area | 12.0 | |
| Receiver R5 Leq,d 43.4 dB(A) | | | |
| Level 1 Open Air Plaza | Area | 42.6 | |
| Level 1 Open Space Building 1 N | Area | 25.0 | |
| Level 1 Open Space Building 1 South | Area | 19.6 | |
| Level 1 Open Space Building 2 SW | Area | 22.0 | |
| Level 1 Open Space Building 2 W | Area | 23.3 | |
| Level 1 Open Space Building 3 | Area | 20.3 | |
| Level 1 Residential Courtyard | Area | 28.9 | |
| Level 3 Amenity Deck | Area | 9.9 | |
| Level 7 Pool Deck | Area | 33.3 | |
| Level P1 Open Space East | Area | 10.3 | |
| Level P1 Open Space West | Area | 12.9 | |
| Receiver R6 Leq,d 44.5 dB(A) | | | |
| Level 1 Open Air Plaza | Area | 42.4 | |
| Level 1 Open Space Building 1 N | Area | 10.8 | |
| Level 1 Open Space Building 1 South | Area | 40.2 | |
| Level 1 Open Space Building 2 SW | Area | 7.6 | |
| Level 1 Open Space Building 2 W | Area | 4.2 | |
| Level 1 Open Space Building 3 | Area | 7.2 | |
| Level 1 Residential Courtyard | Area | 26.0 | |
| Level 3 Amenity Deck | Area | 7.9 | |
| Level 7 Pool Deck | Area | 18.0 | |
| Level P1 Open Space East | Area | 8.3 | |
| Level P1 Open Space West | Area | 5.5 | |
| Receiver R7 Leq,d 50.7 dB(A) | | | |
| Level 1 Open Air Plaza | Area | 23.0 | |
| Level 1 Open Space Building 1 N | Area | 29.2 | |
| Level 1 Open Space Building 1 South | Area | 6.7 | |
| Level 1 Open Space Building 2 SW | Area | 29.5 | |
| Level 1 Open Space Building 2 W | Area | 28.2 | |
| Level 1 Open Space Building 3 | Area | 39.2 | |
| Level 1 Residential Courtyard | Area | 31.2 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
2

**Sportsmen's Lodge
Contribution level - People**

9

| Source | Source type | Leq,d dB(A) | |
|--------------------------|-------------|----------------|--|
| Level 3 Amenity Deck | Area | 40.7 | |
| Level 7 Pool Deck | Area | 30.0 | |
| Level P1 Open Space East | Area | 48.9 | |
| Level P1 Open Space West | Area | 41.9 | |

| | | | |
|--|--|--|--|
| | | | |
|--|--|--|--|

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
3

Sportsmen's Lodge Source Levels in dB(A) - Speakers

3

| Name | Source type | Lw dB(A) | |
|-------------------------------------|-------------|-------------|--|
| Level 1 Open Air Plaza | Point | 104.2 | |
| Level 1 Open Air Plaza | Point | 104.2 | |
| Level 1 Open Air Plaza | Point | 104.2 | |
| Level 1 Open Air Plaza | Point | 104.2 | |
| Level 1 Open Air Plaza | Point | 104.2 | |
| Level 1 Open Air Plaza | Point | 104.2 | |
| Level 1 Open Air Plaza | Point | 104.2 | |
| Level 1 Open Air Plaza | Point | 104.2 | |
| Level 1 Open Air Plaza | Point | 104.2 | |
| Level 1 Open Space Building 1 N | Point | 99.2 | |
| Level 1 Open Space Building 1 South | Point | 104.2 | |
| Level 1 Open Space Building 2 SW | Point | 99.2 | |
| Level 1 Open Space Building 2 W | Point | 99.2 | |
| Level 1 Open Space Building 3 | Point | 99.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 1 Residential Courtyard | Point | 104.2 | |
| Level 3 Amenity Deck | Point | 99.2 | |
| Level 7 Pool Deck | Point | 104.2 | |
| Level 7 Pool Deck | Point | 104.2 | |
| Level 7 Pool Deck | Point | 104.2 | |

| | | |
|--|--|--|
| | | |
|--|--|--|

Sportsmen's Lodge Contribution level - Speakers

9

| Source | Source type | Leq,d dB(A) | |
|--------------------------------------|-------------|----------------|--|
| Receiver R1 FI 1.FL Leq,d 50.6 dB(A) | | | |
| Level 1 Open Space Building 3 | Point | 48.5 | |
| Level 1 Open Space Building 2 W | Point | 42.7 | |
| Level 1 Open Space Building 2 SW | Point | 41.9 | |
| Level 7 Pool Deck | Point | 34.7 | |
| Level 7 Pool Deck | Point | 32.4 | |
| Level 1 Residential Courtyard | Point | 32.1 | |
| Level 3 Amenity Deck | Point | 31.0 | |
| Level 1 Open Space Building 1 N | Point | 26.1 | |
| Level 7 Pool Deck | Point | 25.3 | |
| Level 1 Residential Courtyard | Point | 25.3 | |
| Level 1 Residential Courtyard | Point | 25.3 | |
| Level 1 Residential Courtyard | Point | 24.3 | |
| Level 1 Open Air Plaza | Point | 22.6 | |
| Level 1 Open Air Plaza | Point | 21.9 | |
| Level 1 Open Air Plaza | Point | 21.3 | |
| Level 1 Residential Courtyard | Point | 19.5 | |
| Level 1 Open Air Plaza | Point | 18.3 | |
| Level 1 Open Air Plaza | Point | 17.4 | |
| Level 1 Open Air Plaza | Point | 17.4 | |
| Level 1 Residential Courtyard | Point | 16.6 | |
| Level 1 Residential Courtyard | Point | 16.1 | |
| Level 1 Residential Courtyard | Point | 13.4 | |
| Level 1 Open Air Plaza | Point | 13.0 | |
| Level 1 Residential Courtyard | Point | 11.9 | |
| Level 1 Open Space Building 1 South | Point | 11.4 | |
| Level 1 Residential Courtyard | Point | 8.6 | |
| Level 1 Open Air Plaza | Point | 5.3 | |
| Receiver R2 FI 1.FL Leq,d 45.7 dB(A) | | | |
| Level 1 Open Space Building 3 | Point | 43.1 | |
| Level 7 Pool Deck | Point | 40.4 | |
| Level 7 Pool Deck | Point | 32.8 | |
| Level 1 Open Space Building 2 SW | Point | 29.9 | |
| Level 7 Pool Deck | Point | 28.5 | |
| Level 1 Open Air Plaza | Point | 28.5 | |
| Level 1 Open Air Plaza | Point | 25.2 | |
| Level 1 Open Air Plaza | Point | 24.3 | |
| Level 1 Open Air Plaza | Point | 23.9 | |
| Level 1 Open Air Plaza | Point | 23.3 | |
| Level 1 Residential Courtyard | Point | 22.6 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Sportsmen's Lodge Contribution level - Speakers

9

| Source | Source type | Leq,d dB(A) | |
|--------------------------------------|-------------|----------------|--|
| Level 1 Open Air Plaza | Point | 22.2 | |
| Level 1 Residential Courtyard | Point | 21.3 | |
| Level 1 Residential Courtyard | Point | 20.7 | |
| Level 1 Open Space Building 1 South | Point | 19.0 | |
| Level 1 Open Space Building 2 W | Point | 18.8 | |
| Level 1 Open Air Plaza | Point | 17.9 | |
| Level 1 Residential Courtyard | Point | 17.9 | |
| Level 1 Open Space Building 1 N | Point | 17.6 | |
| Level 1 Open Air Plaza | Point | 17.2 | |
| Level 1 Residential Courtyard | Point | 16.3 | |
| Level 1 Residential Courtyard | Point | 11.2 | |
| Level 1 Residential Courtyard | Point | 8.9 | |
| Level 3 Amenity Deck | Point | 8.4 | |
| Level 1 Residential Courtyard | Point | 8.0 | |
| Level 1 Residential Courtyard | Point | 6.8 | |
| Level 1 Residential Courtyard | Point | 6.1 | |
| Receiver R3 FI 1.FL Leq,d 33.9 dB(A) | | | |
| Level 1 Open Space Building 3 | Point | 27.3 | |
| Level 1 Open Space Building 1 South | Point | 26.2 | |
| Level 1 Open Air Plaza | Point | 26.1 | |
| Level 7 Pool Deck | Point | 24.4 | |
| Level 1 Open Air Plaza | Point | 24.0 | |
| Level 7 Pool Deck | Point | 23.2 | |
| Level 1 Residential Courtyard | Point | 20.4 | |
| Level 1 Residential Courtyard | Point | 18.3 | |
| Level 1 Open Air Plaza | Point | 15.0 | |
| Level 1 Open Air Plaza | Point | 14.8 | |
| Level 1 Residential Courtyard | Point | 14.7 | |
| Level 1 Open Air Plaza | Point | 12.5 | |
| Level 1 Open Air Plaza | Point | 11.6 | |
| Level 1 Open Air Plaza | Point | 10.8 | |
| Level 1 Open Air Plaza | Point | 10.7 | |
| Level 1 Residential Courtyard | Point | 10.7 | |
| Level 7 Pool Deck | Point | 9.4 | |
| Level 1 Residential Courtyard | Point | 8.7 | |
| Level 1 Residential Courtyard | Point | 8.1 | |
| Level 1 Open Space Building 2 W | Point | 6.5 | |
| Level 1 Open Space Building 2 SW | Point | 6.2 | |
| Level 1 Residential Courtyard | Point | 5.8 | |
| Level 1 Residential Courtyard | Point | 3.8 | |
| Level 1 Residential Courtyard | Point | 3.5 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
2

Sportsmen's Lodge Contribution level - Speakers

9

| Source | Source type | Leq,d dB(A) | |
|---|-------------|----------------|--|
| Level 1 Open Space Building 1 N | Point | 3.3 | |
| Level 1 Residential Courtyard | Point | 2.9 | |
| Level 3 Amenity Deck | Point | 2.3 | |
| Receiver R4 FI 1.FL Leq,d 45.7 dB(A) | | | |
| Level 1 Open Air Plaza | Point | 41.6 | |
| Level 7 Pool Deck | Point | 36.0 | |
| Level 1 Open Air Plaza | Point | 35.1 | |
| Level 7 Pool Deck | Point | 34.5 | |
| Level 1 Open Air Plaza | Point | 33.6 | |
| Level 1 Open Air Plaza | Point | 32.9 | |
| Level 1 Open Air Plaza | Point | 32.8 | |
| Level 1 Open Space Building 2 SW | Point | 31.7 | |
| Level 1 Open Air Plaza | Point | 30.2 | |
| Level 1 Residential Courtyard | Point | 29.0 | |
| Level 1 Open Air Plaza | Point | 28.7 | |
| Level 1 Residential Courtyard | Point | 27.2 | |
| Level 1 Open Air Plaza | Point | 26.6 | |
| Level 1 Open Space Building 1 South | Point | 25.4 | |
| Level 1 Residential Courtyard | Point | 25.0 | |
| Level 1 Residential Courtyard | Point | 20.5 | |
| Level 1 Residential Courtyard | Point | 19.9 | |
| Level 1 Residential Courtyard | Point | 19.5 | |
| Level 1 Residential Courtyard | Point | 17.8 | |
| Level 1 Open Space Building 3 | Point | 16.7 | |
| Level 1 Open Space Building 2 W | Point | 16.1 | |
| Level 1 Residential Courtyard | Point | 15.6 | |
| Level 7 Pool Deck | Point | 15.4 | |
| Level 1 Residential Courtyard | Point | 4.2 | |
| Level 1 Residential Courtyard | Point | 4.0 | |
| Level 1 Open Space Building 1 N | Point | 1.0 | |
| Level 3 Amenity Deck | Point | -2.3 | |
| Receiver R5 FI 1.FL Leq,d 52.7 dB(A) | | | |
| Level 1 Open Air Plaza | Point | 50.9 | |
| Level 1 Open Air Plaza | Point | 45.1 | |
| Level 1 Open Air Plaza | Point | 38.6 | |
| Level 1 Open Air Plaza | Point | 38.1 | |
| Level 1 Open Air Plaza | Point | 35.7 | |
| Level 1 Open Air Plaza | Point | 34.7 | |
| Level 1 Open Air Plaza | Point | 33.5 | |
| Level 1 Open Air Plaza | Point | 32.6 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Sportsmen's Lodge Contribution level - Speakers

9

| Source | Source type | Leq,d dB(A) | |
|---|-------------|----------------|--|
| Level 1 Open Space Building 2 SW | Point | 29.6 | |
| Level 7 Pool Deck | Point | 28.2 | |
| Level 1 Residential Courtyard | Point | 26.8 | |
| Level 1 Residential Courtyard | Point | 25.4 | |
| Level 1 Residential Courtyard | Point | 25.3 | |
| Level 1 Open Space Building 1 South | Point | 24.8 | |
| Level 1 Residential Courtyard | Point | 24.0 | |
| Level 1 Residential Courtyard | Point | 23.9 | |
| Level 1 Residential Courtyard | Point | 22.7 | |
| Level 1 Residential Courtyard | Point | 22.1 | |
| Level 1 Open Space Building 1 N | Point | 19.6 | |
| Level 1 Residential Courtyard | Point | 18.6 | |
| Level 1 Residential Courtyard | Point | 18.1 | |
| Level 7 Pool Deck | Point | 16.0 | |
| Level 1 Residential Courtyard | Point | 14.3 | |
| Level 1 Open Space Building 2 W | Point | 13.3 | |
| Level 1 Open Space Building 3 | Point | 11.7 | |
| Level 7 Pool Deck | Point | 10.5 | |
| Level 3 Amenity Deck | Point | -1.5 | |
| Receiver R6 FI 1.FL Leq,d 49.4 dB(A) | | | |
| Level 1 Open Air Plaza | Point | 45.7 | |
| Level 1 Open Air Plaza | Point | 42.9 | |
| Level 1 Open Air Plaza | Point | 38.6 | |
| Level 1 Open Air Plaza | Point | 38.5 | |
| Level 1 Open Space Building 1 South | Point | 37.2 | |
| Level 1 Open Air Plaza | Point | 37.0 | |
| Level 1 Open Air Plaza | Point | 33.6 | |
| Level 1 Open Air Plaza | Point | 33.3 | |
| Level 1 Open Air Plaza | Point | 27.3 | |
| Level 1 Residential Courtyard | Point | 23.6 | |
| Level 1 Residential Courtyard | Point | 21.1 | |
| Level 1 Residential Courtyard | Point | 20.9 | |
| Level 7 Pool Deck | Point | 19.9 | |
| Level 1 Residential Courtyard | Point | 19.7 | |
| Level 1 Residential Courtyard | Point | 18.9 | |
| Level 1 Residential Courtyard | Point | 18.5 | |
| Level 1 Residential Courtyard | Point | 17.8 | |
| Level 7 Pool Deck | Point | 13.6 | |
| Level 7 Pool Deck | Point | 11.8 | |
| Level 1 Residential Courtyard | Point | 10.2 | |
| Level 1 Residential Courtyard | Point | 9.8 | |

AES 22801 Crespi St Woodland Hills, CA 91364 USA

Page
4

Sportsmen's Lodge Contribution level - Speakers

9

| Source | Source type | Leq,d dB(A) | |
|--------------------------------------|-------------|----------------|--|
| Level 1 Residential Courtyard | Point | 6.6 | |
| Level 1 Open Space Building 2 SW | Point | 5.5 | |
| Level 1 Open Space Building 1 N | Point | -1.1 | |
| Level 3 Amenity Deck | Point | -2.2 | |
| Level 1 Open Space Building 3 | Point | -2.5 | |
| Level 1 Open Space Building 2 W | Point | -3.4 | |
| Receiver R7 FI 1.FL Leq,d 47.8 dB(A) | | | |
| Level 3 Amenity Deck | Point | 46.3 | |
| Level 1 Open Space Building 2 W | Point | 38.6 | |
| Level 7 Pool Deck | Point | 34.3 | |
| Level 1 Open Space Building 1 N | Point | 31.4 | |
| Level 7 Pool Deck | Point | 29.2 | |
| Level 1 Residential Courtyard | Point | 28.7 | |
| Level 1 Open Space Building 3 | Point | 28.2 | |
| Level 1 Residential Courtyard | Point | 27.8 | |
| Level 1 Residential Courtyard | Point | 27.1 | |
| Level 1 Residential Courtyard | Point | 25.1 | |
| Level 1 Open Air Plaza | Point | 24.2 | |
| Level 1 Open Air Plaza | Point | 24.1 | |
| Level 1 Residential Courtyard | Point | 22.8 | |
| Level 1 Open Air Plaza | Point | 22.0 | |
| Level 1 Residential Courtyard | Point | 22.0 | |
| Level 1 Open Air Plaza | Point | 21.8 | |
| Level 1 Open Air Plaza | Point | 21.2 | |
| Level 1 Open Space Building 2 SW | Point | 20.1 | |
| Level 1 Residential Courtyard | Point | 19.7 | |
| Level 1 Residential Courtyard | Point | 19.6 | |
| Level 1 Residential Courtyard | Point | 19.3 | |
| Level 1 Residential Courtyard | Point | 18.3 | |
| Level 1 Open Space Building 1 South | Point | 15.9 | |
| Level 7 Pool Deck | Point | 14.4 | |
| Level 1 Open Air Plaza | Point | 11.2 | |
| Level 1 Open Air Plaza | Point | 8.6 | |
| Level 1 Open Air Plaza | Point | 4.8 | |

Off-Site Traffic Noise Calculations

Project: Sportsmen's Lodge

| Traffic Distribution as % of ADT | | | | |
|---|------------|------------|--------------|------------------|
| Vehicle Type | Day | Eve | Night | Sub total |
| Auto | 77.6% | 9.7% | 9.7% | 97.0% |
| Medium Truck | 1.6% | 0.2% | 0.2% | 2.0% |
| Heavy Truck | 0.8% | 0.1% | 0.1% | 1.0% |
| | 80.0% | 10.0% | 10.0% | 100.0% |

PHV to
ADT factor
10%

EXISTING CONDITIONS - CNEL

| Roadway Segment | Roadway Width*, ft | Distance to Edge of Roadway, ft | Distance to Centerline, feet | Speed mph | Traffic Volume | | PHV to ADT factor | Barrier Atten. | Site Adjust., dBA | 24-Hour CNEL |
|--|---------------------------|--|-------------------------------------|------------------|-----------------------|------------|--------------------------|-----------------------|--------------------------|---------------------|
| | | | | | PHV | ADT | | | | |
| Whitsett Avenue | | | | | | | | | | |
| - Between Valley Spring Ln. and Ventura Blvd. | 60 | 10 | 40 | 35 | 1,590 | 15,900 | 10% | 0 | 0 | 69.4 |
| Coldwater Canyon Avenue | | | | | | | | | | |
| - Between Moorpark St. and Ventura Blvd. | 60 | 10 | 40 | 35 | 2,226 | 22,260 | 10% | 0 | 0 | 70.8 |
| - Between Ventura Blvd. and Halkirk St. | 50 | 10 | 35 | 35 | 2,189 | 21,890 | 10% | 0 | 0 | 71.5 |
| Moorpark Street | | | | | | | | | | |
| - Between Coldwater Canyon Ave. and Whitsett A | 55 | 10 | 37.5 | 35 | 1,734 | 17,340 | 10% | 0 | 0 | 70.1 |
| - Between Fulton Ave. and Coldwater Canyon Ave | 55 | 10 | 37.5 | 35 | 1,554 | 15,540 | 10% | 0 | 0 | 69.7 |
| Ventura Boulevard | | | | | | | | | | |
| - Between Coldwater Canyon Ave. and Whitsett A | 65 | 10 | 42.5 | 35 | 2,724 | 27,240 | 10% | 0 | 0 | 71.5 |
| - Between Fulton Ave. and Coldwater Canyon Ave | 65 | 10 | 42.5 | 35 | 2,587 | 25,870 | 10% | 0 | 0 | 71.3 |

* Estimated based on Google Earth map.

** Calculated using FHWA's TNM Version 2.5 Computer Noise Model.

Off-Site Traffic Noise Calculations

Project: Sportsmen's Lodge

| Traffic Distribution as % of ADT | | | | |
|---|------------|------------|--------------|------------------|
| Vehicle Type | Day | Eve | Night | Sub total |
| Auto | 77.6% | 9.7% | 9.7% | 97.0% |
| Medium Truck | 1.6% | 0.2% | 0.2% | 2.0% |
| Heavy Truck | 0.8% | 0.1% | 0.1% | 1.0% |
| | 80.0% | 10.0% | 10.0% | 100.0% |

PHV to
ADT factor
10%

EXISTING + PROJECT CONDITIONS - CNEL

| Roadway Segment | Roadway Width*, ft | Distance to Edge of Roadway, ft | Distance to Centerline, feet | Speed mph | Traffic Volume | | PHV to ADT factor | Barrier Atten. | Site Adjust., dBA | 24-Hour CNEL |
|--|---------------------------|--|-------------------------------------|------------------|-----------------------|------------|--------------------------|-----------------------|--------------------------|---------------------|
| | | | | | PHV | ADT | | | | |
| Whitsett Avenue | | | | | | | | | | |
| - Between Valley Spring Ln. and Ventura Blvd. | 60 | 10 | 40 | 35 | 1,607 | 16,070 | 10% | 0 | 0 | 69.4 |
| Coldwater Canyon Avenue | | | | | | | | | | |
| - Between Moorpark St. and Ventura Blvd. | 60 | 10 | 40 | 35 | 2,362 | 23,620 | 10% | 0 | 0 | 71.1 |
| - Between Ventura Blvd. and Halkirk St. | 50 | 10 | 35 | 35 | 2,207 | 22,070 | 10% | 0 | 0 | 71.5 |
| Moorpark Street | | | | | | | | | | |
| - Between Coldwater Canyon Ave. and Whitsett A | 55 | 10 | 37.5 | 35 | 1,752 | 17,520 | 10% | 0 | 0 | 70.2 |
| - Between Coldwater Canyon Ave. and Fulton Ave | 55 | 10 | 37.5 | 35 | 1,594 | 15,940 | 10% | 0 | 0 | 69.8 |
| Ventura Boulevard | | | | | | | | | | |
| - Between Coldwater Canyon Ave. and Whitsett A | 65 | 10 | 42.5 | 35 | 2,842 | 28,420 | 10% | 0 | 0 | 71.7 |
| - Between Coldwater Canyon Ave. and Fulton Ave | 65 | 10 | 42.5 | 35 | 2,621 | 26,210 | 10% | 0 | 0 | 71.3 |

* Estimated based on Google Earth map.

** Calculated using FHWA's TNM Version 2.5 Computer Noise Model.

Off-Site Traffic Noise Calculations

Project: Sportsmen's Lodge

| Traffic Distribution as % of ADT | | | | |
|---|------------|------------|--------------|------------------|
| Vehicle Type | Day | Eve | Night | Sub total |
| Auto | 77.6% | 9.7% | 9.7% | 97.0% |
| Medium Truck | 1.6% | 0.2% | 0.2% | 2.0% |
| Heavy Truck | 0.8% | 0.1% | 0.1% | 1.0% |
| | 80.0% | 10.0% | 10.0% | 100.0% |

PHV to
ADT factor
10%

FUTURE NO PROJECT CONDITIONS - CNEL

| Roadway Segment | Roadway Width*, ft | Distance to Edge of Roadway, ft | Distance to Centerline, feet | Speed mph | Traffic Volume PHV | ADT | PHV to ADT factor | Barrier Atten. | Site Adjust., dBA | 24-Hour CNEL |
|--|--------------------|---------------------------------|------------------------------|-----------|--------------------|--------|-------------------|----------------|-------------------|--------------|
| Whitsett Avenue | | | | | | | | | | |
| - Between Valley Spring Ln. and Ventura Blvd. | 60 | 10 | 40 | 35 | 1,801 | 18,010 | 10% | 0 | 0 | 69.9 |
| Coldwater Canyon Avenue | | | | | | | | | | |
| - Between Moorpark St. and Ventura Blvd. | 60 | 10 | 40 | 35 | 2,507 | 25,070 | 10% | 0 | 0 | 71.3 |
| - Between Ventura Blvd. and Halkirk St. | 50 | 10 | 35 | 35 | 2,366 | 23,660 | 10% | 0 | 0 | 71.8 |
| Moorpark Street | | | | | | | | | | |
| - Between Coldwater Canyon Ave. and Whitsett A | 55 | 10 | 37.5 | 35 | 1,927 | 19,270 | 10% | 0 | 0 | 70.6 |
| - Between Coldwater Canyon Ave. and Fulton Ave | 55 | 10 | 37.5 | 35 | 1,667 | 16,670 | 10% | 0 | 0 | 70.0 |
| Ventura Boulevard | | | | | | | | | | |
| - Between Coldwater Canyon Ave. and Whitsett A | 65 | 10 | 42.5 | 35 | 3,105 | 31,050 | 10% | 0 | 0 | 72.1 |
| - Between Coldwater Canyon Ave. and Fulton Ave | 65 | 10 | 42.5 | 35 | 2,845 | 28,450 | 10% | 0 | 0 | 71.7 |

* Estimated based on Google Earth map.

** Calculated using FHWA's TNM Version 2.5 Computer Noise Model.

Off-Site Traffic Noise Calculations

Project: Sportsmen's Lodge

| Traffic Distribution as % of ADT | | | | |
|---|------------|------------|--------------|------------------|
| Vehicle Type | Day | Eve | Night | Sub total |
| Auto | 77.6% | 9.7% | 9.7% | 97.0% |
| Medium Truck | 1.6% | 0.2% | 0.2% | 2.0% |
| Heavy Truck | 0.8% | 0.1% | 0.1% | 1.0% |
| | 80.0% | 10.0% | 10.0% | 100.0% |

PHV to
ADT factor
10%

FUTURE + PROJECT CONDITIONS - CNEL

| Roadway Segment | Roadway Width*, ft | Distance to Edge of Roadway, ft | Distance to Centerline, feet | Speed mph | Traffic Volume | | PHV to ADT factor | Barrier Atten. | Site Adjust., dBA | 24-Hour CNEL |
|--|---------------------------|--|-------------------------------------|------------------|-----------------------|------------|--------------------------|-----------------------|--------------------------|---------------------|
| | | | | | PHV | ADT | | | | |
| Whitsett Avenue | | | | | | | | | | |
| - Between Valley Spring Ln. and Ventura Blvd. | 60 | 10 | 40 | 35 | 1,819 | 18,190 | 10% | 0 | 0 | 70.0 |
| Coldwater Canyon Avenue | | | | | | | | | | |
| - Between Moorpark St. and Ventura Blvd. | 60 | 10 | 40 | 35 | 2,646 | 26,460 | 10% | 0 | 0 | 71.6 |
| - Between Ventura Blvd. and Halkirk St. | 50 | 10 | 35 | 35 | 2,385 | 23,850 | 10% | 0 | 0 | 71.8 |
| Moorpark Street | | | | | | | | | | |
| - Between Coldwater Canyon Ave. and Whitsett A | 55 | 10 | 37.5 | 35 | 1,946 | 19,460 | 10% | 0 | 0 | 70.6 |
| - Between Coldwater Canyon Ave. and Fulton Ave | 55 | 10 | 37.5 | 35 | 1,708 | 17,080 | 10% | 0 | 0 | 70.1 |
| Ventura Boulevard | | | | | | | | | | |
| - Between Coldwater Canyon Ave. and Whitsett A | 65 | 10 | 42.5 | 35 | 3,224 | 32,240 | 10% | 0 | 0 | 72.2 |
| - Between Coldwater Canyon Ave. and Fulton Ave | 65 | 10 | 42.5 | 35 | 2,880 | 28,800 | 10% | 0 | 0 | 71.7 |

* Estimated based on Google Earth map.

** Calculated using FHWA's TNM Version 2.5 Computer Noise Model.

Appendix J.2

Supplemental Noise Analysis

**Sustainable Communities Environmental Assessment
Sportsmen's Lodge Mixed-Use Project
Revised Noise Mitigation Measures**

This memo provides supplemental information for the noise mitigation measure, as specified in the Sustainable Communities Environmental Assessment (SCEA) for the Sportsmen's Lodge Project (Project).¹

As provided in the SCEA (page 230), seven off-site noise receptor locations (receptor locations R1 through R7) were selected to represent noise-sensitive uses within 500 feet of the Project Site. The residential homes situated on Alcove Avenue and Valleyheart Drive are represented by receptor R7, as shown on Figure 15 of the SCEA.

As concluded in the SCEA (Table 18), the construction noise impacts at the Studio City Court Yard Hotel (represented by receptor R3) would be less than significant. Receptor R3 would be shielded from the Project construction by the presence of existing buildings along Coldwater Canyon and buildings adjacent to the Project Site. Therefore, noise mitigation measure is not required for receptor R3. In addition, the construction noise impacts receptor R7 would be less than significant with implementation of Mitigation Measure NOI-MM-1.

The noise analysis as provided in the SCEA evaluated the Project construction noise with the major construction equipment (i.e., major noise sources) located at the ground level, e.g., excavator, tractor, loader, backhoe, bore/drill rig, grader, scraper, and dozers. Construction activities take place at the upper levels of the Project buildings would involve smaller construction equipment (i.e., hand tools), which would generate lower noise levels than the large earth moving equipment at the ground level. Furthermore, Project construction at the upper floors, such as fit-out constructions, occur, normally, when the building exterior walls are in-place, which would minimize transmission of construction noise to the exterior.

The Mitigation Measure NOI-MM-1 as provided in the SCEA is intended to provide the noise reduction at both the ground and upper levels of the affected receptors, including receptor R1. For clarification, the Mitigation Measure NOI-MM-1 will be revised as follow, to reduce the noise levels generated by construction activities at the upper levels of the off-site noise-sensitive receptors.

¹ City of Los Angeles, Sustainable Communities Environmental Assessment Sportsmen's Lodge Mixed-Use Project, July 2022.

NOI-MM-1: Prior to commencement of construction, the Project Applicant shall erect temporary and impermeable sound barriers at the locations listed below. At plan check, building plans shall include documentation prepared by a noise consultant verifying compliance with this measure.

- Within the northern portion of the Project Site between the construction areas and the residential uses at receptor locations R1 and R7. The temporary sound barrier shall be designed to provide a minimum 6-dBA and 16-dBA noise reduction, or not to exceed the ambient noise by 5 dBA, at the ground and upper levels of the residential uses at receptor locations R1 and R7, respectively. The temporary sound barrier shall be 24 feet tall in order to block line of sight between the on-site construction activities and off-site sensitive receptors at receptor locations R1 and R7, respectively.
- Within the western portion of the Project Site (along Coldwater Canyon Avenue) between the construction areas and residential use at receptor location R2. The temporary sound barrier shall be designed to provide a minimum 12-dBA noise reduction, or not to exceed the ambient noise by 5 dBA, at the ground and upper levels of receptor location R2. The temporary sound barrier shall be 18 feet tall in order to block line of sight between the on-site construction activities and off-site sensitive receptors at receptor location R2.
- Within the southern portion of the Project Site between the construction areas and residential uses on the south side of Ventura Boulevard, receptor locations R5 and R6. The temporary sound barrier shall be designed to provide a minimum 5-dBA and 10-dBA noise reduction, or not to exceed the ambient noise by 5 dBA at the ground level of receptor locations R5 and R6, respectively. The temporary sound barrier shall be 8 feet tall (at the west end) to 24 feet tall (at the east end) in order to block line of sight between the on-site construction activities and off-site sensitive receptors at receptor locations R5 and R6, respectively.

The revised Mitigation Measure NOI-MM-1 would require the applicant to employ construction noise barriers of various heights, to ensure noise reduction at the upper levels of the noise-sensitive receptors.