

# **Appendix F**

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## Noise Calculation Worksheets

# **Sunset + Wilcox Project**

## **Noise Calculations Worksheets**

Provided by Acoustical Engineering Services

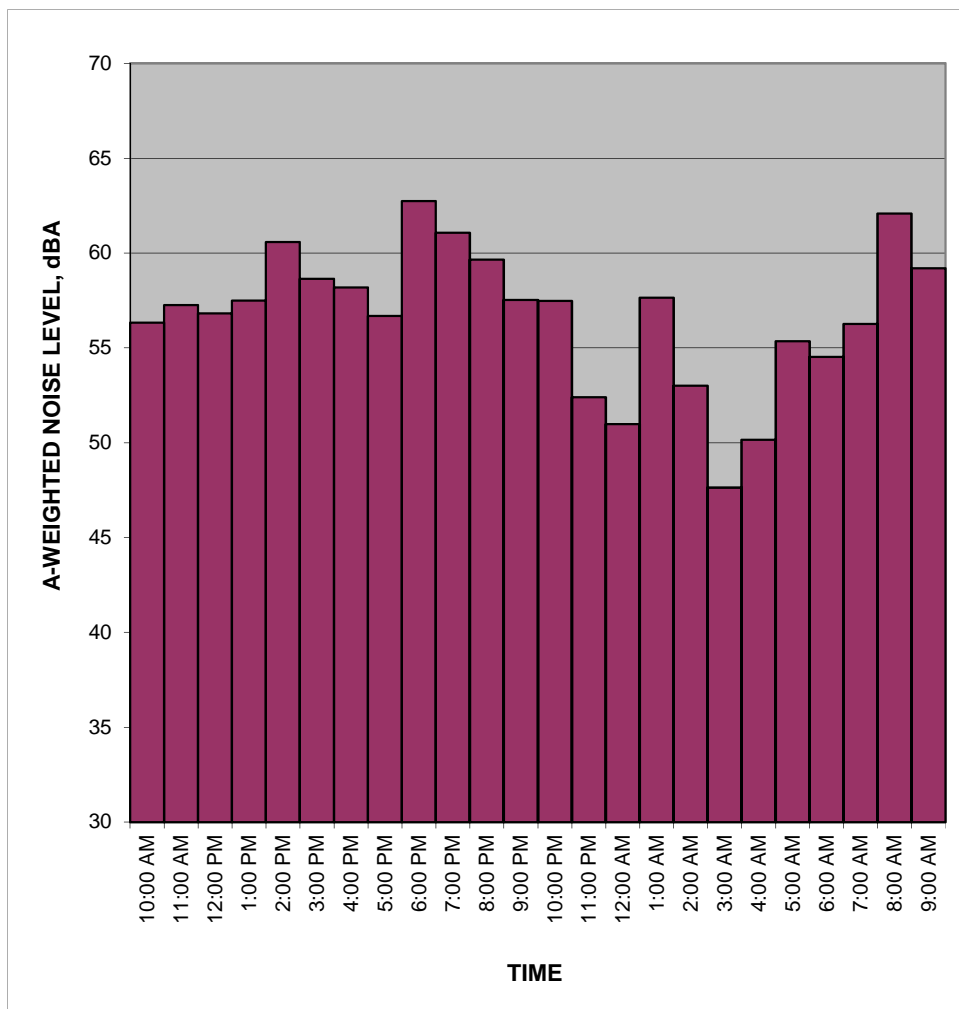
# **Ambient Noise Measurements**

# Measured Ambient Noise Levels

Project: Sunset + Wilcox  
 Location: R6  
 Sources: Ambient

Date: 2/17 - 2/18/2021

<i>TIME</i>	<i>HNL, dB(A)</i>
10:00 AM	56.3
11:00 AM	57.3
12:00 PM	56.8
1:00 PM	57.5
2:00 PM	60.6
3:00 PM	58.6
4:00 PM	58.2
5:00 PM	56.7
6:00 PM	62.7
7:00 PM	61.1
8:00 PM	59.7
9:00 PM	57.5
10:00 PM	57.5
11:00 PM	52.4
12:00 AM	51.0
1:00 AM	57.6
2:00 AM	53.0
3:00 AM	47.6
4:00 AM	50.1
5:00 AM	55.3
6:00 AM	54.5
7:00 AM	56.3
8:00 AM	62.1
9:00 AM	59.2
<b>CNEL, dB(A):</b>	<b>62.5</b>



**NOTES:**

Daytime average      59.2    dBA Leq  
 Nighttime average    54.3    dBA Leq

Project: Sunset + Wilcox Project

Location: R1

Date: 2/17/2021

Time	Leq
10:42:21 AM	55.1
10:42:31 AM	53.7
10:42:41 AM	53.1
10:42:51 AM	56.8
10:43:01 AM	58.3
10:43:11 AM	57.2
10:43:21 AM	56.2
10:43:31 AM	53.8
10:43:41 AM	55.2
10:43:51 AM	55.8
10:44:01 AM	55.4
10:44:11 AM	58.7
10:44:21 AM	60.7
10:44:31 AM	58.3
10:44:41 AM	55
10:44:51 AM	55.5
10:45:01 AM	58.1
10:45:11 AM	55.9
10:45:21 AM	55.6
10:45:31 AM	54.8
10:45:41 AM	54.8
10:45:51 AM	54.6
10:46:01 AM	55.5
10:46:11 AM	56.1
10:46:21 AM	54.6
10:46:31 AM	63.9
10:46:41 AM	59.7
10:46:51 AM	56.9
10:47:01 AM	55.6
10:47:11 AM	55.7
10:47:21 AM	60.7
10:47:31 AM	57.5
10:47:41 AM	54.3
10:47:51 AM	53.2
10:48:01 AM	51.6
10:48:11 AM	53.1
10:48:21 AM	53.6
10:48:31 AM	53.1
10:48:41 AM	54.7
10:48:51 AM	53.8

10:49:01 AM	55.4
10:49:11 AM	56.3
10:49:21 AM	60
10:49:31 AM	59
10:49:41 AM	56.3
10:49:51 AM	55.9
10:50:01 AM	53.6
10:50:11 AM	54.5
10:50:21 AM	59.7
10:50:31 AM	55.4
10:50:41 AM	55.2
10:50:51 AM	56
10:51:01 AM	53
10:51:11 AM	52.9
10:51:21 AM	52
10:51:31 AM	53
10:51:41 AM	57.4
10:51:51 AM	55.2
10:52:01 AM	56.7
10:52:11 AM	55.6
10:52:21 AM	52.5
10:52:31 AM	51.8
10:52:41 AM	53.1
10:52:51 AM	52.9
10:53:01 AM	54.3
10:53:11 AM	55.2
10:53:21 AM	53.9
10:53:31 AM	57.3
10:53:41 AM	57.2
10:53:51 AM	56.5
10:54:01 AM	55.5
10:54:11 AM	53.8
10:54:21 AM	60.1
10:54:31 AM	57.8
10:54:41 AM	62.5
10:54:51 AM	59.6
10:55:01 AM	58.5
10:55:11 AM	59.3
10:55:21 AM	56.4
10:55:31 AM	52.9
10:55:41 AM	50.4
10:55:51 AM	51
10:56:01 AM	49.4
10:56:11 AM	50.3
10:56:21 AM	50.8

10:56:31 AM	53.6
10:56:41 AM	55
10:56:51 AM	54.4
10:57:01 AM	56.6
10:57:11 AM	55.3

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**56.5**

Time	Leq
11:20:34 PM	51.6
11:20:44 PM	52.8
11:20:54 PM	58.7
11:21:04 PM	57.3
11:21:14 PM	58.5
11:21:24 PM	56.9
11:21:34 PM	54.3
11:21:44 PM	52.3
11:21:54 PM	48.8
11:22:04 PM	47.4
11:22:14 PM	51.5
11:22:24 PM	48.5
11:22:34 PM	52.6
11:22:44 PM	51.7
11:22:54 PM	50.1
11:23:04 PM	53.1
11:23:14 PM	52.9
11:23:24 PM	49.8
11:23:34 PM	46.9
11:23:44 PM	46.2
11:23:54 PM	49.8
11:24:04 PM	51.4
11:24:14 PM	47.9
11:24:24 PM	49.2
11:24:34 PM	49.1
11:24:44 PM	51.7
11:24:54 PM	52.2
11:25:04 PM	53.7
11:25:14 PM	53.4
11:25:24 PM	50.6
11:25:34 PM	51.7
11:25:44 PM	53.1
11:25:54 PM	51.1
11:26:04 PM	50.1
11:26:14 PM	53.2
11:26:24 PM	51.6
11:26:34 PM	49.6

11:26:44 PM	52.1
11:26:54 PM	49.9
11:27:04 PM	50.1
11:27:14 PM	49.3
11:27:24 PM	52.1
11:27:34 PM	50.4
11:27:44 PM	46.8
11:27:54 PM	47
11:28:04 PM	47.6
11:28:14 PM	52.3
11:28:24 PM	54.3
11:28:34 PM	47.6
11:28:44 PM	48.6
11:28:54 PM	48
11:29:04 PM	49.2
11:29:14 PM	51.1
11:29:24 PM	47.3
11:29:34 PM	47
11:29:44 PM	48.3
11:29:54 PM	51.8
11:30:04 PM	54
11:30:14 PM	52.3
11:30:24 PM	54.3
11:30:34 PM	51.8
11:30:44 PM	46.8
11:30:54 PM	46.7
11:31:04 PM	48.1
11:31:14 PM	49.7
11:31:24 PM	52.8
11:31:34 PM	52.9
11:31:44 PM	52.9
11:31:54 PM	53.7
11:32:04 PM	49
11:32:14 PM	48.8
11:32:24 PM	51.3
11:32:34 PM	50.6
11:32:44 PM	47.7
11:32:54 PM	47.4
11:33:04 PM	47.6
11:33:14 PM	50.2
11:33:24 PM	51.2
11:33:34 PM	50.3
11:33:44 PM	50
11:33:54 PM	47.9
11:34:04 PM	49



11:34:14 PM	51.5
11:34:24 PM	49.1
11:34:34 PM	47.3
11:34:44 PM	46.5
11:34:54 PM	49.7
11:35:04 PM	50.3
11:35:14 PM	57.1
11:35:24 PM	60.4
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	<b>52.0</b>

Project: Sunset + Wilcox Project

Location: R2

Date: 2/17/2021

Time	Leq
11:46:23 AM	68
11:46:33 AM	68.2
11:46:43 AM	64.6
11:46:53 AM	67
11:47:03 AM	72.9
11:47:13 AM	70.6
11:47:23 AM	66.3
11:47:33 AM	62.8
11:47:43 AM	80.2
11:47:53 AM	75.3
11:48:03 AM	71.3
11:48:13 AM	71
11:48:23 AM	69.8
11:48:33 AM	70.6
11:48:43 AM	67.3
11:48:53 AM	64.7
11:49:03 AM	61.2
11:49:13 AM	69.4
11:49:23 AM	70.7
11:49:33 AM	67.6
11:49:43 AM	70.6
11:49:53 AM	62.9
11:50:03 AM	70.4
11:50:13 AM	74.5
11:50:23 AM	71.5
11:50:33 AM	72.2
11:50:43 AM	78.6
11:50:53 AM	70.8
11:51:03 AM	65.2
11:51:13 AM	66.7
11:51:23 AM	60.6
11:51:33 AM	73.5
11:51:43 AM	68.1
11:51:53 AM	72.4
11:52:03 AM	60.9
11:52:13 AM	58.4
11:52:23 AM	71.3
11:52:33 AM	74.3
11:52:43 AM	74.2
11:52:53 AM	68.8

11:53:03 AM	74.4
11:53:13 AM	70.6
11:53:23 AM	65.7
11:53:33 AM	71.2
11:53:43 AM	61.9
11:53:53 AM	66.3
11:54:03 AM	65.3
11:54:13 AM	67.7
11:54:23 AM	76
11:54:33 AM	73.1
11:54:43 AM	70.8
11:54:53 AM	71.7
11:55:03 AM	66.2
11:55:13 AM	64.3
11:55:23 AM	67.1
11:55:33 AM	71.4
11:55:43 AM	68.7
11:55:53 AM	66
11:56:03 AM	71.3
11:56:13 AM	64.2
11:56:23 AM	72.5
11:56:33 AM	74.1
11:56:43 AM	71.7
11:56:53 AM	71.9
11:57:03 AM	66.1
11:57:13 AM	66.7
11:57:23 AM	65.4
11:57:33 AM	70.6
11:57:43 AM	72.1
11:57:53 AM	71.1
11:58:03 AM	67
11:58:13 AM	63.9
11:58:23 AM	63.6
11:58:33 AM	77.8
11:58:43 AM	80.3
11:58:53 AM	69.4
11:59:03 AM	64.5
11:59:13 AM	62.5
11:59:23 AM	68.3
11:59:33 AM	72.8
11:59:43 AM	68.2
11:59:53 AM	67.2
12:00:03 PM	65.1
12:00:13 PM	61.9
12:00:23 PM	73.1

12:00:33 PM	75.5
12:00:43 PM	75.8
12:00:53 PM	70.6
12:01:03 PM	67.4
12:01:13 PM	64.2

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**71.5**

Time	Leq
12:17:34 AM	55.3
12:17:44 AM	55.5
12:17:54 AM	67.2
12:18:04 AM	72.4
12:18:14 AM	69.7
12:18:24 AM	60
12:18:34 AM	52.3
12:18:44 AM	51.3
12:18:54 AM	63.7
12:19:04 AM	69.8
12:19:14 AM	51.6
12:19:24 AM	54.8
12:19:34 AM	60.3
12:19:44 AM	71
12:19:54 AM	75.5
12:20:04 AM	68.2
12:20:14 AM	55.2
12:20:24 AM	51.5
12:20:34 AM	59.2
12:20:44 AM	60.2
12:20:54 AM	52.5
12:21:04 AM	50.3
12:21:14 AM	50.8
12:21:24 AM	55.6
12:21:34 AM	63.3
12:21:44 AM	54
12:21:54 AM	53.9
12:22:04 AM	50.4
12:22:14 AM	54.3
12:22:24 AM	66.1
12:22:34 AM	65.5
12:22:44 AM	57.9
12:22:54 AM	57
12:23:04 AM	61.4
12:23:14 AM	71.5
12:23:24 AM	73.6
12:23:34 AM	73.2

12:23:44 AM	61.2
12:23:54 AM	62.5
12:24:04 AM	61
12:24:14 AM	68.2
12:24:24 AM	67
12:24:34 AM	66.3
12:24:44 AM	67.9
12:24:54 AM	61.6
12:25:04 AM	62.2
12:25:14 AM	62.4
12:25:24 AM	63.6
12:25:34 AM	62.6
12:25:44 AM	64.7
12:25:54 AM	66.5
12:26:04 AM	65.9
12:26:14 AM	61.8
12:26:24 AM	60.6
12:26:34 AM	56.8
12:26:44 AM	66.4
12:26:54 AM	70.6
12:27:04 AM	69.8
12:27:14 AM	63.1
12:27:24 AM	53.6
12:27:34 AM	51.6
12:27:44 AM	62.2
12:27:54 AM	71.3
12:28:04 AM	71.6
12:28:14 AM	58.4
12:28:24 AM	59.2
12:28:34 AM	60.1
12:28:44 AM	66
12:28:54 AM	68.5
12:29:04 AM	62.1
12:29:14 AM	56.6
12:29:24 AM	61.4
12:29:34 AM	68.4
12:29:44 AM	67.6
12:29:54 AM	61.5
12:30:04 AM	65.1
12:30:14 AM	68.6
12:30:24 AM	70.5
12:30:34 AM	67
12:30:44 AM	57.6
12:30:54 AM	58.7
12:31:04 AM	57.1

12:31:14 AM	63.5
12:31:24 AM	64.7
12:31:34 AM	64.2
12:31:44 AM	60.6
12:31:54 AM	56.7
12:32:04 AM	65.9
12:32:14 AM	67.1
12:32:24 AM	57.1
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	<b>66.1</b>

Project: Sunset + Wilcox Project  
 Location: R3  
 Date: 2/17/2021

Time	Leq
11:05:26 AM	68.5
11:05:36 AM	66.3
11:05:46 AM	62.3
11:05:56 AM	70.3
11:06:06 AM	65.9
11:06:16 AM	56.9
11:06:26 AM	63.2
11:06:36 AM	61.6
11:06:46 AM	58.7
11:06:56 AM	61.2
11:07:06 AM	66.9
11:07:16 AM	67.7
11:07:26 AM	74.8
11:07:36 AM	79.2
11:07:46 AM	68.2
11:07:56 AM	65
11:08:06 AM	62
11:08:16 AM	53.4
11:08:26 AM	63.5
11:08:36 AM	67.3
11:08:46 AM	59.4
11:08:56 AM	62.9
11:09:06 AM	65.3
11:09:16 AM	71.4
11:09:26 AM	67.9
11:09:36 AM	65.3
11:09:46 AM	66.6
11:09:56 AM	67.1
11:10:06 AM	63
11:10:16 AM	62.1
11:10:26 AM	56.2
11:10:36 AM	66.4
11:10:46 AM	67.7
11:10:56 AM	58
11:11:06 AM	58
11:11:16 AM	63.4
11:11:26 AM	69.1
11:11:36 AM	67.9
11:11:46 AM	72.6
11:11:56 AM	71.1

11:12:06 AM	70.1
11:12:16 AM	66.7
11:12:26 AM	67.6
11:12:36 AM	64.3
11:12:46 AM	64.4
11:12:56 AM	59.5
11:13:06 AM	59.7
11:13:16 AM	65.5
11:13:26 AM	62.8
11:13:36 AM	65.5
11:13:46 AM	65.6
11:13:56 AM	63.3
11:14:06 AM	69.2
11:14:16 AM	65.3
11:14:26 AM	60.7
11:14:36 AM	67.3
11:14:46 AM	63.2
11:14:56 AM	65.2
11:15:06 AM	59.2
11:15:16 AM	63.7
11:15:26 AM	60.1
11:15:36 AM	60.7
11:15:46 AM	65.4
11:15:56 AM	66
11:16:06 AM	67.1
11:16:16 AM	70
11:16:26 AM	71.8
11:16:36 AM	62
11:16:46 AM	63.4
11:16:56 AM	67.4
11:17:06 AM	57.4
11:17:16 AM	59.5
11:17:26 AM	67.8
11:17:36 AM	63.3
11:17:46 AM	69.5
11:17:56 AM	69.4
11:18:06 AM	66.9
11:18:16 AM	63.9
11:18:26 AM	71.1
11:18:36 AM	67.6
11:18:46 AM	65.3
11:18:56 AM	66.6
11:19:06 AM	66.6
11:19:16 AM	63.5
11:19:26 AM	60.2



11:19:36 AM	66.2
11:19:46 AM	68.7
11:19:56 AM	72.1
11:20:06 AM	70.2
11:20:16 AM	68.6

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**67.6**

Time	Leq
11:39:41 PM	63.1
11:39:51 PM	63.7
11:40:01 PM	69.1
11:40:11 PM	66
11:40:21 PM	55.9
11:40:31 PM	56.6
11:40:41 PM	56.1
11:40:51 PM	63.6
11:41:01 PM	58.1
11:41:11 PM	64.6
11:41:21 PM	65.2
11:41:31 PM	56.9
11:41:41 PM	63.6
11:41:51 PM	60.1
11:42:01 PM	51.9
11:42:11 PM	67
11:42:21 PM	65.9
11:42:31 PM	56.1
11:42:41 PM	51.1
11:42:51 PM	52.1
11:43:01 PM	63.4
11:43:11 PM	64.1
11:43:21 PM	63.9
11:43:31 PM	55.3
11:43:41 PM	64.9
11:43:51 PM	67.1
11:44:01 PM	63.5
11:44:11 PM	52.7
11:44:21 PM	52.2
11:44:31 PM	51.5
11:44:41 PM	61.4
11:44:51 PM	65.7
11:45:01 PM	65.6
11:45:11 PM	56.9
11:45:21 PM	52.2
11:45:31 PM	52.4
11:45:41 PM	53.8

11:45:51 PM	63.6
11:46:01 PM	51.2
11:46:11 PM	52.2
11:46:21 PM	66.6
11:46:31 PM	60.7
11:46:41 PM	72.6
11:46:51 PM	53.1
11:47:01 PM	51.9
11:47:11 PM	55.6
11:47:21 PM	58.4
11:47:31 PM	62.6
11:47:41 PM	57.9
11:47:51 PM	58.9
11:48:01 PM	68.7
11:48:11 PM	61.6
11:48:21 PM	67.1
11:48:31 PM	64.9
11:48:41 PM	54.1
11:48:51 PM	60.9
11:49:01 PM	52.4
11:49:11 PM	51.9
11:49:21 PM	54.3
11:49:31 PM	52.8
11:49:41 PM	65.8
11:49:51 PM	53.5
11:50:01 PM	64.1
11:50:11 PM	56.5
11:50:21 PM	54.1
11:50:31 PM	58.4
11:50:41 PM	58.8
11:50:51 PM	59.5
11:51:01 PM	60.5
11:51:11 PM	57.3
11:51:21 PM	65.1
11:51:31 PM	56.1
11:51:41 PM	65.9
11:51:51 PM	56.2
11:52:01 PM	51.2
11:52:11 PM	51.4
11:52:21 PM	53.3
11:52:31 PM	53.1
11:52:41 PM	56.4
11:52:51 PM	57.1
11:53:01 PM	65.4
11:53:11 PM	55.1

11:53:21 PM	52.4
11:53:31 PM	52.8
11:53:41 PM	53.4
11:53:51 PM	56.1
11:54:01 PM	63.9
11:54:11 PM	60.1
11:54:21 PM	53.9
11:54:31 PM	51

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**62.2**

Project: Sunset + Wilcox Project  
 Location: R4  
 Date: 2/17/2021

Time	Leq
11:25:04 AM	56.6
11:25:14 AM	63.6
11:25:24 AM	62.8
11:25:34 AM	66.2
11:25:44 AM	61.8
11:25:54 AM	58.1
11:26:04 AM	56.5
11:26:14 AM	65.6
11:26:24 AM	71.5
11:26:34 AM	69
11:26:44 AM	72.3
11:26:54 AM	74.9
11:27:04 AM	64.5
11:27:14 AM	65.5
11:27:24 AM	67.1
11:27:34 AM	68.9
11:27:44 AM	61.2
11:27:54 AM	55.8
11:28:04 AM	55
11:28:14 AM	55.7
11:28:24 AM	58.4
11:28:34 AM	63.6
11:28:44 AM	60.2
11:28:54 AM	64.5
11:29:04 AM	69.8
11:29:14 AM	72.5
11:29:24 AM	69.2
11:29:34 AM	70
11:29:44 AM	64.1
11:29:54 AM	55.6
11:30:04 AM	58.4
11:30:14 AM	63.1
11:30:24 AM	74.3
11:30:34 AM	73.8
11:30:44 AM	70.1
11:30:54 AM	73.7
11:31:04 AM	66.9
11:31:14 AM	58.9
11:31:24 AM	59.7
11:31:34 AM	67.7

11:31:44 AM	67.3
11:31:54 AM	68.8
11:32:04 AM	61.2
11:32:14 AM	63.8
11:32:24 AM	69.5
11:32:34 AM	62.7
11:32:44 AM	64.6
11:32:54 AM	57.6
11:33:04 AM	68.5
11:33:14 AM	75.9
11:33:24 AM	66
11:33:34 AM	68.2
11:33:44 AM	64.3
11:33:54 AM	56.4
11:34:04 AM	64.7
11:34:14 AM	67.3
11:34:24 AM	65.8
11:34:34 AM	76.2
11:34:44 AM	71.6
11:34:54 AM	61.8
11:35:04 AM	56.1
11:35:14 AM	57.3
11:35:24 AM	60.5
11:35:34 AM	66.7
11:35:44 AM	61.2
11:35:54 AM	60.4
11:36:04 AM	68.5
11:36:14 AM	68.2
11:36:24 AM	69.1
11:36:34 AM	71
11:36:44 AM	58.6
11:36:54 AM	56.8
11:37:04 AM	66.9
11:37:14 AM	71.7
11:37:24 AM	65.2
11:37:34 AM	67.6
11:37:44 AM	67.1
11:37:54 AM	60.8
11:38:04 AM	63.5
11:38:14 AM	68.7
11:38:24 AM	72.7
11:38:34 AM	70.5
11:38:44 AM	61.4
11:38:54 AM	56.6
11:39:04 AM	58.8

11:39:14 AM	63.1
11:39:24 AM	69.3
11:39:34 AM	65.2
11:39:44 AM	69.9
11:39:54 AM	61.7

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**68.0**

Time	Leq
11:57:58 PM	60.3
11:58:08 PM	61.1
11:58:18 PM	58.1
11:58:28 PM	63.1
11:58:38 PM	69.8
11:58:48 PM	62.4
11:58:58 PM	55.1
11:59:08 PM	54.9
11:59:18 PM	61.5
11:59:28 PM	64.1
11:59:38 PM	55.7
11:59:48 PM	53.8
11:59:58 PM	53.8
12:00:08 AM	54.1
12:00:18 AM	54.2
12:00:28 AM	55.3
12:00:38 AM	55.4
12:00:48 AM	53.9
12:00:58 AM	54.6
12:01:08 AM	62.8
12:01:18 AM	58.2
12:01:28 AM	66.3
12:01:38 AM	64.6
12:01:48 AM	56.2
12:01:58 AM	54.7
12:02:08 AM	56
12:02:18 AM	54.3
12:02:28 AM	55
12:02:38 AM	53.8
12:02:48 AM	54.1
12:02:58 AM	53.9
12:03:08 AM	53.7
12:03:18 AM	54.5
12:03:28 AM	62.2
12:03:38 AM	55.4
12:03:48 AM	67.7
12:03:58 AM	64.4

12:04:08 AM	56.6
12:04:18 AM	54
12:04:28 AM	54.5
12:04:38 AM	61.3
12:04:48 AM	65.8
12:04:58 AM	63
12:05:08 AM	56.2
12:05:18 AM	61.1
12:05:28 AM	58.3
12:05:38 AM	56.5
12:05:48 AM	54.9
12:05:58 AM	55
12:06:08 AM	54.6
12:06:18 AM	55.8
12:06:28 AM	63.2
12:06:38 AM	58.2
12:06:48 AM	57.8
12:06:58 AM	58.4
12:07:08 AM	53.7
12:07:18 AM	59.1
12:07:28 AM	63.1
12:07:38 AM	53.8
12:07:48 AM	53.1
12:07:58 AM	55
12:08:08 AM	55.8
12:08:18 AM	55
12:08:28 AM	56.8
12:08:38 AM	58
12:08:48 AM	54.1
12:08:58 AM	55.2
12:09:08 AM	53.9
12:09:18 AM	53.7
12:09:28 AM	53.7
12:09:38 AM	54.2
12:09:48 AM	59.7
12:09:58 AM	64
12:10:08 AM	59.8
12:10:18 AM	58
12:10:28 AM	54.2
12:10:38 AM	58
12:10:48 AM	60
12:10:58 AM	53.5
12:11:08 AM	53.3
12:11:18 AM	53.6
12:11:28 AM	60.3

12:11:38 AM	68.8
12:11:48 AM	55.2
12:11:58 AM	53.3
12:12:08 AM	53.4
12:12:18 AM	53.7
12:12:28 AM	53.8
12:12:38 AM	54.1
12:12:48 AM	53.2
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	<b>59.9</b>



Project: Sunset + Wilcox Project  
 Location: R5  
 Date: 2/17/2021

Time	Leq
10:22:04 AM	68.9
10:22:14 AM	61.3
10:22:24 AM	70.3
10:22:34 AM	62.8
10:22:44 AM	61.3
10:22:54 AM	74.1
10:23:04 AM	65.8
10:23:14 AM	69.1
10:23:24 AM	60.8
10:23:34 AM	60.3
10:23:44 AM	57.5
10:23:54 AM	66.7
10:24:04 AM	69.2
10:24:14 AM	60.8
10:24:24 AM	67.6
10:24:34 AM	61.9
10:24:44 AM	55.4
10:24:54 AM	60.3
10:25:04 AM	65.8
10:25:14 AM	74.3
10:25:24 AM	71.2
10:25:34 AM	66.3
10:25:44 AM	61.7
10:25:54 AM	61.8
10:26:04 AM	67.4
10:26:14 AM	61.9
10:26:24 AM	60.6
10:26:34 AM	65.8
10:26:44 AM	64.9
10:26:54 AM	59.3
10:27:04 AM	64.5
10:27:14 AM	63.4
10:27:24 AM	61.6
10:27:34 AM	64.2
10:27:44 AM	55.5
10:27:54 AM	59.4
10:28:04 AM	66.9
10:28:14 AM	67.5
10:28:24 AM	70.6
10:28:34 AM	62.8

10:28:44 AM	59.9
10:28:54 AM	54.2
10:29:04 AM	54.4
10:29:14 AM	57.2
10:29:24 AM	67.6
10:29:34 AM	59
10:29:44 AM	64.7
10:29:54 AM	70.8
10:30:04 AM	67.6
10:30:14 AM	63
10:30:24 AM	56.2
10:30:34 AM	54.7
10:30:44 AM	55.1
10:30:54 AM	60.9
10:31:04 AM	60.6
10:31:14 AM	68.6
10:31:24 AM	64.4
10:31:34 AM	58.1
10:31:44 AM	55.9
10:31:54 AM	60
10:32:04 AM	64
10:32:14 AM	61
10:32:24 AM	68.3
10:32:34 AM	66.6
10:32:44 AM	67.1
10:32:54 AM	69.7
10:33:04 AM	78.4
10:33:14 AM	69.5
10:33:24 AM	67.9
10:33:34 AM	61
10:33:44 AM	56.1
10:33:54 AM	57
10:34:04 AM	66.3
10:34:14 AM	69.2
10:34:24 AM	59.2
10:34:34 AM	64.8
10:34:44 AM	63.2
10:34:54 AM	62.8
10:35:04 AM	62.1
10:35:14 AM	56.3
10:35:24 AM	55.2
10:35:34 AM	60
10:35:44 AM	62.6
10:35:54 AM	59.5
10:36:04 AM	69

10:36:14 AM	60.2
10:36:24 AM	61.2
10:36:34 AM	66.3
10:36:44 AM	62.3
10:36:54 AM	60.7

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**66.4**

Time	Leq
11:01:47 PM	57.9
11:01:57 PM	46.5
11:02:07 PM	46.9
11:02:17 PM	48.1
11:02:27 PM	47.3
11:02:37 PM	48.7
11:02:47 PM	58.1
11:02:57 PM	59.9
11:03:07 PM	46.9
11:03:17 PM	45.9
11:03:27 PM	50.1
11:03:37 PM	67.7
11:03:47 PM	64
11:03:57 PM	53.1
11:04:07 PM	47.1
11:04:17 PM	46.5
11:04:27 PM	46.4
11:04:37 PM	46.4
11:04:47 PM	45.3
11:04:57 PM	48.6
11:05:07 PM	50.6
11:05:17 PM	46.2
11:05:27 PM	48.9
11:05:37 PM	52.6
11:05:47 PM	46.7
11:05:57 PM	46.5
11:06:07 PM	46.7
11:06:17 PM	45
11:06:27 PM	44.7
11:06:37 PM	46
11:06:47 PM	46.9
11:06:57 PM	46.1
11:07:07 PM	47.9
11:07:17 PM	64.1
11:07:27 PM	61.9
11:07:37 PM	67.1
11:07:47 PM	65.8

11:07:57 PM	55.6
11:08:07 PM	47.8
11:08:17 PM	47.5
11:08:27 PM	48.9
11:08:37 PM	59.2
11:08:47 PM	57.6
11:08:57 PM	50.9
11:09:07 PM	52.9
11:09:17 PM	46.8
11:09:27 PM	59.3
11:09:37 PM	55.8
11:09:47 PM	46.9
11:09:57 PM	47.1
11:10:07 PM	47.8
11:10:17 PM	47.7
11:10:27 PM	48.6
11:10:37 PM	54.8
11:10:47 PM	62.3
11:10:57 PM	51.4
11:11:07 PM	49.1
11:11:17 PM	47.5
11:11:27 PM	69
11:11:37 PM	72.5
11:11:47 PM	60.8
11:11:57 PM	48.7
11:12:07 PM	48.7
11:12:17 PM	50.3
11:12:27 PM	61.9
11:12:37 PM	56.8
11:12:47 PM	48.3
11:12:57 PM	49.8
11:13:07 PM	49.7
11:13:17 PM	63.6
11:13:27 PM	55.2
11:13:37 PM	68.9
11:13:47 PM	63.7
11:13:57 PM	50.3
11:14:07 PM	50.7
11:14:17 PM	49.5
11:14:27 PM	52.2
11:14:37 PM	54.9
11:14:47 PM	54.2
11:14:57 PM	55.3
11:15:07 PM	52.7
11:15:17 PM	56.3

11:15:27 PM	60.8
11:15:37 PM	56.5
11:15:47 PM	51.1
11:15:57 PM	50
11:16:07 PM	49.8
11:16:17 PM	52.1
11:16:27 PM	58.3
11:16:37 PM	53.6
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	<b>59.5</b>

# **Construction Noise & Vibration Calculations**

**Project: Sunset + Wilcox Project**

**Construction Phase: Demolition**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	220	0
Concrete Saw	1	90	20%	220	0
Excavator	1	81	40%	245	0
Rubber Tired Loader	1	79	40%	245	0
Air Compressor	1	78	40%	270	0
Water Truck	1	82	10%	270	0
Generator Set	1	81	50%	295	0
Excavator	1	81	40%	295	0
Excavator	1	81	40%	320	0

9

**Receptor: R1**

**Results:**  
**1-hour Leq: 73.8**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Grading/Excavation**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Bore/Drill Rig	1	84	20%	220	0
Graders	1	85	40%	220	0
Excavator	1	81	40%	245	0
Crane (mobile)	1	81	16%	245	0
Generator Set	1	81	50%	270	0
Water Truck	1	82	10%	270	0
Pump	1	81	50%	295	0
Rough Terrain Forklift	1	83	40%	295	0
Air Compressor	2	78	40%	320	0
Rubber Tired Loader	2	79	40%	320	0
Signal Boards	2	73	50%	345	0
Skid Steer Loaders	1	79	40%	345	0
Bore/Drill Rig	1	84	20%	370	0
Excavator	1	81	40%	370	0
Generator Set	3	81	50%	395	0
Pump	1	81	50%	395	0
Rough Terrain Forklift	1	83	40%	420	0

22

**Receptor: R1**

**Results:**  
**1-hour Leq: 74.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006



**Project: Sunset + Wilcox Project**

**Construction Phase: *Mat Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	220	0
Pump	1	81	50%	220	0
Crane (tower)	1	81	16%	245	0
Crane (mobile)	1	81	16%	245	0
Aerial Lift	1	75	20%	270	0
Generator Set	1	81	50%	270	0
Air Compressor	1	78	40%	295	0
Rubber Tired Loader	1	79	40%	295	0
Rough Terrain Forklift	1	83	40%	320	0
Air Compressor	1	78	40%	320	0
Crane (tower)	1	81	16%	345	0
Crane (mobile)	1	81	16%	345	0
Generator Set	1	81	50%	370	0
Pump	1	81	50%	370	0
Generator Set	1	81	50%	395	0
Pump	1	81	50%	395	0
Generator Set	1	81	50%	420	0
Pump	1	81	50%	420	0

18

**Receptor: *R1***

**Results:**

**1-hour Leq: 73.5**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	220	0
Pump	1	81	50%	220	0
Crane (tower)	1	81	16%	245	0
Crane (mobile)	1	81	16%	245	0
Tractor/Loader/Backhoes	1	79	40%	270	0
Generator Set	1	81	50%	270	0
Air Compressor	1	78	40%	295	0
Rubber Tired Loader	1	79	40%	295	0
Skid Steer Loaders	1	79	40%	320	0
Rough Terrain Forklift	1	83	40%	320	0
Air Compressor	1	78	40%	345	0
Crane (tower)	1	81	16%	345	0
Generator Set	1	81	50%	370	0
Generator Set	1	81	50%	370	0
Generator Set	1	81	50%	395	0

15

**Receptor:** ***R1***

**Results:**  
**1-hour Leq: 73.2**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Building Construction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	220	0
Concrete Saw	1	90	20%	220	0
Air Compressor	1	78	40%	245	0
Aerial Lift	1	75	20%	245	0
Crane (tower)	1	81	16%	270	0
Crane (mobile)	1	81	16%	270	0
Pump	1	81	50%	295	0
Generator Set	1	81	50%	295	0
Fork Lift	1	75	20%	320	0
Welders	2	74	40%	320	0
Cement and Mortar Mixer	1	80	50%	345	0
Concrete Saw	1	90	20%	345	0
Cement and Mortar Mixer	1	80	50%	370	0
Air Compressor	3	78	40%	370	0
Aerial Lift	9	75	20%	395	0
Crane (tower)	1	81	16%	395	0
Pump	1	81	50%	420	0
Fork Lift	2	75	20%	420	0

30

**Receptor: *R1***

**Results:**  
**1-hour Leq: 75.0**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Paving**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Roller	1	80	20%	220	0
Skid Steer Loaders	1	79	40%	220	0
Tractor/Loader/Backhoes	1	79	40%	245	0
Skid Steer Loaders	1	79	40%	245	0
Paver	1	77	50%	270	0

**Receptor:** 5  
**R1**

**Results:**  
**1-hour Leq: 67.9**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Demolition**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	130	0
Concrete Saw	1	90	20%	130	0
Excavator	1	81	40%	155	0
Rubber Tired Loader	1	79	40%	155	0
Air Compressor	1	78	40%	180	0
Water Truck	1	82	10%	180	0
Generator Set	1	81	50%	205	0
Excavator	1	81	40%	205	0
Excavator	1	81	40%	230	0

9

**Receptor:** **R2**

**Results:**  
**1-hour Leq: 77.9**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Grading/Excavation**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Bore/Drill Rig	1	84	20%	130	0
Graders	1	85	40%	130	0
Excavator	1	81	40%	155	0
Crane (mobile)	1	81	16%	155	0
Generator Set	1	81	50%	180	0
Water Truck	1	82	10%	180	0
Pump	1	81	50%	205	0
Rough Terrain Forklift	1	83	40%	205	0
Air Compressor	2	78	40%	230	0
Rubber Tired Loader	2	79	40%	230	0
Signal Boards	2	73	50%	255	0
Skid Steer Loaders	1	79	40%	255	0
Bore/Drill Rig	1	84	20%	280	0
Excavator	1	81	40%	280	0
Generator Set	3	81	50%	305	0
Pump	1	81	50%	305	0
Rough Terrain Forklift	1	83	40%	330	0

22

**Receptor: R2**

**Results:**  
**1-hour Leq: 78.3**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Mat Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	130	0
Pump	1	81	50%	130	0
Crane (tower)	1	81	16%	155	0
Crane (mobile)	1	81	16%	155	0
Aerial Lift	1	75	20%	180	0
Generator Set	1	81	50%	180	0
Air Compressor	1	78	40%	205	0
Rubber Tired Loader	1	79	40%	205	0
Rough Terrain Forklift	1	83	40%	230	0
Air Compressor	1	78	40%	230	0
Crane (tower)	1	81	16%	255	0
Crane (mobile)	1	81	16%	255	0
Generator Set	1	81	50%	280	0
Pump	1	81	50%	280	0
Generator Set	1	81	50%	305	0
Pump	1	81	50%	305	0
Generator Set	1	81	50%	330	0
Pump	1	81	50%	330	0

18

**Receptor: R2**

**Results:**  
**1-hour Leq: 77.1**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	130	0
Pump	1	81	50%	130	0
Crane (tower)	1	81	16%	155	0
Crane (mobile)	1	81	16%	155	0
Tractor/Loader/Backhoes	1	79	40%	180	0
Generator Set	1	81	50%	180	0
Air Compressor	1	78	40%	205	0
Rubber Tired Loader	1	79	40%	205	0
Skid Steer Loaders	1	79	40%	230	0
Rough Terrain Forklift	1	83	40%	230	0
Air Compressor	1	78	40%	255	0
Crane (tower)	1	81	16%	255	0
Generator Set	1	81	50%	280	0
Generator Set	1	81	50%	280	0
Generator Set	1	81	50%	305	0

15

**Receptor: R2**

**Results:**  
**1-hour Leq: 76.9**

Source for Ref. Noise Levels: FHWA RCNM, 2006



**Project: Sunset + Wilcox Project**

**Construction Phase: *Building Construction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	130	0
Concrete Saw	1	90	20%	130	0
Air Compressor	1	78	40%	155	0
Aerial Lift	1	75	20%	155	0
Crane (tower)	1	81	16%	180	0
Crane (mobile)	1	81	16%	180	0
Pump	1	81	50%	205	0
Generator Set	1	81	50%	205	0
Fork Lift	1	75	20%	230	0
Welders	2	74	40%	230	0
Cement and Mortar Mixer	1	80	50%	255	0
Concrete Saw	1	90	20%	255	0
Cement and Mortar Mixer	1	80	50%	280	0
Air Compressor	3	78	40%	280	0
Aerial Lift	9	75	20%	305	0
Crane (tower)	1	81	16%	305	0
Pump	1	81	50%	330	0
Fork Lift	2	75	20%	330	0

30

**Receptor: R2**

**Results:**  
**1-hour Leq: 78.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Paving**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Roller	1	80	20%	130	0
Skid Steer Loaders	1	79	40%	130	0
Tractor/Loader/Backhoes	1	79	40%	155	0
Skid Steer Loaders	1	79	40%	155	0
Paver	1	77	50%	180	0

**Receptor:** 5  
**R2**

**Results:**  
**1-hour Leq: 72.1**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Demolition**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	355	15
Concrete Saw	1	90	20%	355	15
Excavator	1	81	40%	380	15
Rubber Tired Loader	1	79	40%	380	15
Air Compressor	1	78	40%	405	15
Water Truck	1	82	10%	405	15
Generator Set	1	81	50%	430	15
Excavator	1	81	40%	430	15
Excavator	1	81	40%	455	15

9

**Receptor: R3**

**Results:**  
**1-hour Leq: 54.9**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Grading/Excavation**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Bore/Drill Rig	1	84	20%	355	15
Graders	1	85	40%	355	15
Excavator	1	81	40%	380	15
Crane (mobile)	1	81	16%	380	15
Generator Set	1	81	50%	405	15
Water Truck	1	82	10%	405	15
Pump	1	81	50%	430	15
Rough Terrain Forklift	1	83	40%	430	15
Air Compressor	2	78	40%	455	15
Rubber Tired Loader	2	79	40%	455	15
Signal Boards	2	73	50%	480	15
Skid Steer Loaders	1	79	40%	480	15
Bore/Drill Rig	1	84	20%	505	15
Excavator	1	81	40%	505	15
Generator Set	3	81	50%	530	15
Pump	1	81	50%	530	15
Rough Terrain Forklift	1	83	40%	555	15

22

**Receptor: R3**

**Results:**  
**1-hour Leq: 56.4**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Mat Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	355	15
Pump	1	81	50%	355	15
Crane (tower)	1	81	16%	380	15
Crane (mobile)	1	81	16%	380	15
Aerial Lift	1	75	20%	405	15
Generator Set	1	81	50%	405	15
Air Compressor	1	78	40%	430	15
Rubber Tired Loader	1	79	40%	430	15
Rough Terrain Forklift	1	83	40%	455	15
Air Compressor	1	78	40%	455	15
Crane (tower)	1	81	16%	480	15
Crane (mobile)	1	81	16%	480	15
Generator Set	1	81	50%	505	15
Pump	1	81	50%	505	15
Generator Set	1	81	50%	530	15
Pump	1	81	50%	530	15
Generator Set	1	81	50%	555	15
Pump	1	81	50%	555	15

18

**Receptor: R3**

**Results:**  
**1-hour Leq: 55.2**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	355	15
Pump	1	81	50%	355	15
Crane (tower)	1	81	16%	380	15
Crane (mobile)	1	81	16%	380	15
Tractor/Loader/Backhoes	1	79	40%	405	15
Generator Set	1	81	50%	405	15
Air Compressor	1	78	40%	430	15
Rubber Tired Loader	1	79	40%	430	15
Skid Steer Loaders	1	79	40%	455	15
Rough Terrain Forklift	1	83	40%	455	15
Air Compressor	1	78	40%	480	15
Crane (tower)	1	81	16%	480	15
Generator Set	1	81	50%	505	15
Generator Set	1	81	50%	505	15
Generator Set	1	81	50%	530	15

15

**Receptor: R3**

**Results:**  
**1-hour Leq: 54.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Building Construction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	355	15
Concrete Saw	1	90	20%	355	15
Air Compressor	1	78	40%	380	15
Aerial Lift	1	75	20%	380	15
Crane (tower)	1	81	16%	405	15
Crane (mobile)	1	81	16%	405	15
Pump	1	81	50%	430	15
Generator Set	1	81	50%	430	15
Fork Lift	1	75	20%	455	15
Welders	2	74	40%	455	15
Cement and Mortar Mixer	1	80	50%	480	15
Concrete Saw	1	90	20%	480	15
Cement and Mortar Mixer	1	80	50%	505	15
Air Compressor	3	78	40%	505	15
Aerial Lift	9	75	20%	530	15
Crane (tower)	1	81	16%	530	15
Pump	1	81	50%	555	15
Fork Lift	2	75	20%	555	15

30

**Receptor: *R3***

**Results:**  
**1-hour Leq: 56.5**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Paving**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Roller	1	80	20%	355	15
Skid Steer Loaders	1	79	40%	355	15
Tractor/Loader/Backhoes	1	79	40%	380	15
Skid Steer Loaders	1	79	40%	380	15
Paver	1	77	50%	405	15

**Receptor:** 5  
**R3**

**Results:**  
**1-hour Leq: 49.0**

Source for Ref. Noise Levels: FHWA RCNM, 2006



**Project: Sunset + Wilcox Project**

**Construction Phase: Demolition**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	300	15
Concrete Saw	1	90	20%	300	15
Excavator	1	81	40%	325	15
Rubber Tired Loader	1	79	40%	325	15
Air Compressor	1	78	40%	350	15
Water Truck	1	82	10%	350	15
Generator Set	1	81	50%	375	15
Excavator	1	81	40%	375	15
Excavator	1	81	40%	400	15

9

**Receptor: R4**

**Results:**  
**1-hour Leq: 56.3**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Grading/Excavation**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Bore/Drill Rig	1	84	20%	300	15
Graders	1	85	40%	300	15
Excavator	1	81	40%	325	15
Crane (mobile)	1	81	16%	325	15
Generator Set	1	81	50%	350	15
Water Truck	1	82	10%	350	15
Pump	1	81	50%	375	15
Rough Terrain Forklift	1	83	40%	375	15
Air Compressor	2	78	40%	400	15
Rubber Tired Loader	2	79	40%	400	15
Signal Boards	2	73	50%	425	15
Skid Steer Loaders	1	79	40%	425	15
Bore/Drill Rig	1	84	20%	450	15
Excavator	1	81	40%	450	15
Generator Set	3	81	50%	475	15
Pump	1	81	50%	475	15
Rough Terrain Forklift	1	83	40%	500	15

22

**Receptor: R4**

**Results:**  
**1-hour Leq: 57.6**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Mat Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	300	15
Pump	1	81	50%	300	15
Crane (tower)	1	81	16%	325	15
Crane (mobile)	1	81	16%	325	15
Aerial Lift	1	75	20%	350	15
Generator Set	1	81	50%	350	15
Air Compressor	1	78	40%	375	15
Rubber Tired Loader	1	79	40%	375	15
Rough Terrain Forklift	1	83	40%	400	15
Air Compressor	1	78	40%	400	15
Crane (tower)	1	81	16%	425	15
Crane (mobile)	1	81	16%	425	15
Generator Set	1	81	50%	450	15
Pump	1	81	50%	450	15
Generator Set	1	81	50%	475	15
Pump	1	81	50%	475	15
Generator Set	1	81	50%	500	15
Pump	1	81	50%	500	15

18

**Receptor: *R4***

**Results:**

**1-hour Leq: 56.4**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	300	15
Pump	1	81	50%	300	15
Crane (tower)	1	81	16%	325	15
Crane (mobile)	1	81	16%	325	15
Tractor/Loader/Backhoes	1	79	40%	350	15
Generator Set	1	81	50%	350	15
Air Compressor	1	78	40%	375	15
Rubber Tired Loader	1	79	40%	375	15
Skid Steer Loaders	1	79	40%	400	15
Rough Terrain Forklift	1	83	40%	400	15
Air Compressor	1	78	40%	425	15
Crane (tower)	1	81	16%	425	15
Generator Set	1	81	50%	450	15
Generator Set	1	81	50%	450	15
Generator Set	1	81	50%	475	15

15

**Receptor: *R4***

**Results:**  
**1-hour Leq: 56.0**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Building Construction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	300	15
Concrete Saw	1	90	20%	300	15
Air Compressor	1	78	40%	325	15
Aerial Lift	1	75	20%	325	15
Crane (tower)	1	81	16%	350	15
Crane (mobile)	1	81	16%	350	15
Pump	1	81	50%	375	15
Generator Set	1	81	50%	375	15
Fork Lift	1	75	20%	400	15
Welders	2	74	40%	400	15
Cement and Mortar Mixer	1	80	50%	425	15
Concrete Saw	1	90	20%	425	15
Cement and Mortar Mixer	1	80	50%	450	15
Air Compressor	3	78	40%	450	15
Aerial Lift	9	75	20%	475	15
Crane (tower)	1	81	16%	475	15
Pump	1	81	50%	500	15
Fork Lift	2	75	20%	500	15

30

**Receptor: *R4***

**Results:**  
**1-hour Leq: 57.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Paving**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Roller	1	80	20%	300	15
Skid Steer Loaders	1	79	40%	300	15
Tractor/Loader/Backhoes	1	79	40%	325	15
Skid Steer Loaders	1	79	40%	325	15
Paver	1	77	50%	350	15

**Receptor:** 5  
**R4**

**Results:**  
**1-hour Leq: 50.4**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Demolition***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	225	0
Concrete Saw	1	90	20%	225	0
Excavator	1	81	40%	250	0
Rubber Tired Loader	1	79	40%	250	0
Air Compressor	1	78	40%	275	0
Water Truck	1	82	10%	275	0
Generator Set	1	81	50%	300	0
Excavator	1	81	40%	300	0
Excavator	1	81	40%	325	0

9

**Receptor:** **R5**

**Results:**  
**1-hour Leq:** **73.6**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Grading/Excavation**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Bore/Drill Rig	1	84	20%	225	0
Graders	1	85	40%	225	0
Excavator	1	81	40%	250	0
Crane (mobile)	1	81	16%	250	0
Generator Set	1	81	50%	275	0
Water Truck	1	82	10%	275	0
Pump	1	81	50%	300	0
Rough Terrain Forklift	1	83	40%	300	0
Air Compressor	2	78	40%	325	0
Rubber Tired Loader	2	79	40%	325	0
Signal Boards	2	73	50%	350	0
Skid Steer Loaders	1	79	40%	350	0
Bore/Drill Rig	1	84	20%	375	0
Excavator	1	81	40%	375	0
Generator Set	3	81	50%	400	0
Pump	1	81	50%	400	0
Rough Terrain Forklift	1	83	40%	425	0

22

**Receptor: R5**

**Results:**  
**1-hour Leq: 74.6**

Source for Ref. Noise Levels: FHWA RCNM, 2006



**Project: Sunset + Wilcox Project**

**Construction Phase: *Mat Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	225	0
Pump	1	81	50%	225	0
Crane (tower)	1	81	16%	250	0
Crane (mobile)	1	81	16%	250	0
Aerial Lift	1	75	20%	275	0
Generator Set	1	81	50%	275	0
Air Compressor	1	78	40%	300	0
Rubber Tired Loader	1	79	40%	300	0
Rough Terrain Forklift	1	83	40%	325	0
Air Compressor	1	78	40%	325	0
Crane (tower)	1	81	16%	350	0
Crane (mobile)	1	81	16%	350	0
Generator Set	1	81	50%	375	0
Pump	1	81	50%	375	0
Generator Set	1	81	50%	400	0
Pump	1	81	50%	400	0
Generator Set	1	81	50%	425	0
Pump	1	81	50%	425	0

18

**Receptor: R5**

**Results:**  
**1-hour Leq: 73.4**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	225	0
Pump	1	81	50%	225	0
Crane (tower)	1	81	16%	250	0
Crane (mobile)	1	81	16%	250	0
Tractor/Loader/Backhoes	1	79	40%	275	0
Generator Set	1	81	50%	275	0
Air Compressor	1	78	40%	300	0
Rubber Tired Loader	1	79	40%	300	0
Skid Steer Loaders	1	79	40%	325	0
Rough Terrain Forklift	1	83	40%	325	0
Air Compressor	1	78	40%	350	0
Crane (tower)	1	81	16%	350	0
Generator Set	1	81	50%	375	0
Generator Set	1	81	50%	375	0
Generator Set	1	81	50%	400	0

15

**Receptor: *R5***

**Results:**  
**1-hour Leq: 73.0**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Building Construction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	225	0
Concrete Saw	1	90	20%	225	0
Air Compressor	1	78	40%	250	0
Aerial Lift	1	75	20%	250	0
Crane (tower)	1	81	16%	275	0
Crane (mobile)	1	81	16%	275	0
Pump	1	81	50%	300	0
Generator Set	1	81	50%	300	0
Fork Lift	1	75	20%	325	0
Welders	2	74	40%	325	0
Cement and Mortar Mixer	1	80	50%	350	0
Concrete Saw	1	90	20%	350	0
Cement and Mortar Mixer	1	80	50%	375	0
Air Compressor	3	78	40%	375	0
Aerial Lift	9	75	20%	400	0
Crane (tower)	1	81	16%	400	0
Pump	1	81	50%	425	0
Fork Lift	2	75	20%	425	0

30

**Receptor: *R5***

**Results:**  
**1-hour Leq: 74.8**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Paving**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Roller	1	80	20%	225	0
Skid Steer Loaders	1	79	40%	225	0
Tractor/Loader/Backhoes	1	79	40%	250	0
Skid Steer Loaders	1	79	40%	250	0
Paver	1	77	50%	275	0

**Receptor:** 5  
**R5**

**Results:**  
**1-hour Leq: 67.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Demolition**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	10	0
Concrete Saw	1	90	20%	35	0
Excavator	1	81	40%	35	0
Rubber Tired Loader	1	79	40%	60	0
Air Compressor	1	78	40%	60	0
Water Truck	1	82	10%	85	0
Generator Set	1	81	50%	85	0
Excavator	1	81	40%	110	0
Excavator	1	81	40%	110	0

9

**Receptor: R6**

**Results:**  
**1-hour Leq: 94.1**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Grading/Excavation**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Bore/Drill Rig	1	84	20%	10	0
Graders	1	85	40%	35	0
Excavator	1	81	40%	35	0
Crane (mobile)	1	81	16%	60	0
Generator Set	1	81	50%	60	0
Water Truck	1	82	10%	85	0
Pump	1	81	50%	85	0
Rough Terrain Forklift	1	83	40%	110	0
Air Compressor	2	78	40%	110	0
Rubber Tired Loader	2	79	40%	135	0
Signal Boards	2	73	50%	135	0
Skid Steer Loaders	1	79	40%	160	0
Bore/Drill Rig	1	84	20%	160	0
Excavator	1	81	40%	185	0
Generator Set	3	81	50%	185	0
Pump	1	81	50%	210	0
Rough Terrain Forklift	1	83	40%	210	0

22

**Receptor: R6**

**Results:**  
**1-hour Leq: 92.5**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Mat Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	10	0
Pump	1	81	50%	35	0
Crane (tower)	1	81	16%	35	0
Crane (mobile)	1	81	16%	60	0
Aerial Lift	1	75	20%	60	0
Generator Set	1	81	50%	85	0
Air Compressor	1	78	40%	85	0
Rubber Tired Loader	1	79	40%	110	0
Rough Terrain Forklift	1	83	40%	110	0
Air Compressor	1	78	40%	135	0
Crane (tower)	1	81	16%	135	0
Crane (mobile)	1	81	16%	160	0
Generator Set	1	81	50%	160	0
Pump	1	81	50%	185	0
Generator Set	1	81	50%	185	0
Pump	1	81	50%	210	0
Generator Set	1	81	50%	210	0
Pump	1	81	50%	210	0

18

**Receptor: *R6***

**Results:**

**1-hour Leq: 93.6**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Foundation***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	10	0
Pump	1	81	50%	35	0
Crane (tower)	1	81	16%	35	0
Crane (mobile)	1	81	16%	60	0
Tractor/Loader/Backhoes	1	79	40%	60	0
Generator Set	1	81	50%	85	0
Air Compressor	1	78	40%	85	0
Rubber Tired Loader	1	79	40%	110	0
Skid Steer Loaders	1	79	40%	110	0
Rough Terrain Forklift	1	83	40%	135	0
Air Compressor	1	78	40%	135	0
Crane (tower)	1	81	16%	160	0
Generator Set	1	81	50%	160	0
Generator Set	1	81	50%	185	0
Generator Set	1	81	50%	185	0

15

**Receptor: R6**

**Results:**  
**1-hour Leq: 93.6**

Source for Ref. Noise Levels: FHWA RCNM, 2006



**Project: Sunset + Wilcox Project**

**Construction Phase: *Building Construction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	10	0
Concrete Saw	1	90	20%	35	0
Air Compressor	1	78	40%	35	0
Aerial Lift	1	75	20%	60	0
Crane (tower)	1	81	16%	60	0
Crane (mobile)	1	81	16%	85	0
Pump	1	81	50%	85	0
Generator Set	1	81	50%	110	0
Fork Lift	1	75	20%	110	0
Welders	2	74	40%	135	0
Cement and Mortar Mixer	1	80	50%	135	0
Concrete Saw	1	90	20%	160	0
Cement and Mortar Mixer	1	80	50%	160	0
Air Compressor	3	78	40%	185	0
Aerial Lift	9	75	20%	185	0
Crane (tower)	1	81	16%	210	0
Pump	1	81	50%	210	0
Fork Lift	2	75	20%	210	0

30

**Receptor: R6**

**Results:**  
**1-hour Leq: 94.1**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: Paving**

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Roller	1	80	20%	10	0
Skid Steer Loaders	1	79	40%	35	0
Tractor/Loader/Backhoes	1	79	40%	35	0
Skid Steer Loaders	1	79	40%	60	0
Paver	1	77	50%	60	0

**Receptor:** 5  
**R6**

**Results:**  
**1-hour Leq: 88.3**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Off-Site Haul Trucks - Daytime Analysis**

Phase	Maximum Number of Truck				Estimated Project Noise Levels (From TNM Outputs), Leq(hr)			
	One Way Trips (delivery/haul)		Worker Trips		Wilcox Ave.	Cahuenga Blvd.	Sunset Blvd.	
	Per Day	Per Hour (8-hr day)	Daily Employees	Trips during Pk Hr.				
1. Demolition	44	8	10	10	58.7	58.7	58.7	
2. Grading/Excavation	300	50	50	50	66.6	66.6	66.6	
3. Mat Foundation (cont. pour)	1392	100	100	100	69.6	69.6	69.6	
4. Building Foundation	90	12	100	100	62.5	62.5	61.7	
5. Building Construction	222	28	800	800	69.4	69.4	67.7	
6. Paving/Landscape	40	5	20	20	58.2	58.2	57.2	
<i>* Trucks are one-way</i>					Ambient, dBA	66.4	67.6	71.5
<i>** 6-hours for hauling (demo and grading phases)</i>					Significance Criteria, dBA	71.4	72.6	76.5
<i>*** 14-hour Mat Pour</i>								
<i>**** 1/2 trips for Wilcox and Cahuenga, as these are one-way trips</i>								

Phase	Estimated Noise Levels - Project + Ambient, Leq(hr)			
	Wilcox Ave.	Cahuenga Blvd.		Sunset Blvd.
		Blvd.	Blvd.	
1. Demolition	67.1	68.1	71.7	71.7
2. Grading/Excavation	69.5	70.1	72.7	72.7
3. Mat Foundation (cont. pour)	71.3	71.7	73.7	73.7
4. Building Foundation	67.9	68.8	71.9	71.9
5. Building Construction	71.2	71.6	73.0	73.0
6. Paving/Landscape	67.0	68.1	71.7	71.7

Phase	Estimated Noise Increase, Leq(hr)			
	Wilcox Ave.	Cahuenga Blvd.		Sunset Blvd.
		Blvd.	Blvd.	
1. Demolition	0.7	0.5	0.2	0.2
2. Grading/Excavation	3.1	2.5	1.2	1.2
3. Mat Foundation (cont. pour)	4.9	4.1	2.2	2.2
4. Building Foundation	1.5	1.2	0.4	0.4
5. Building Construction	4.8	4.0	1.5	1.5
6. Paving/Landscape	0.6	0.5	0.2	0.2
Maximum Noise Increase, dBA (Leq)				
	4.9	4.1	2.2	2.2

### Project: Sunset + Wilcox Project

### Off-Site Haul Trucks - Nighttime Analysis

Phase	Maximum Number of Truck One Way Trips (delivery/haul)		Worker Trips		Estimated Project Noise Levels (From TNM Outputs), Leq(hr)			
	Per Day	Per Hour (8- hr day)	Daily Employees	Trips during Pk Hr.	Cahuenga		Sunset	
					Wilcox Ave.	Blvd.	Blvd.	
1. Demolition	44	8	10	10	58.7	58.7	58.7	
2. Grading/Excavation	300	50	50	50	66.6	66.6	66.6	
3. Mat Foundation (cont. pour)	1392	100	100	100	69.6	69.6	69.6	
4. Building Foundation	90	12	100	100	62.5	62.5	61.7	
5. Building Construction	222	28	800	800	69.4	69.4	67.7	
6. Paving/Landscape	40	5	20	20	58.2	58.2	57.2	
* Trucks are one-way					Ambient, dBA	59.5	62.2	66.1
** 6-hours for hauling (demo and grading phases)					Significance Criteria, dBA	64.5	67.2	71.1
*** 14-hour Mat Pour								
**** 1/2 trips for Wilcox and Cahuenga, as these are one-way trips								

Phase	Estimated Noise Levels - Project + Ambient, Leq(hr)		
	Wilcox Ave.	Cahuenga	
		Blvd.	Blvd.
1. Demolition	62.1	63.8	66.8
2. Grading/Excavation	67.4	67.9	69.4
3. Mat Foundation (cont. pour)	70.0	70.3	71.2
4. Building Foundation	64.3	65.4	67.4
5. Building Construction	69.8	70.2	70.0
6. Paving/Landscape	61.9	63.7	66.6

Phase	Estimated Noise Increase, Leq(hr)		
	Wilcox Ave.	Cahuenga	
		Blvd.	Blvd.
1. Demolition	2.6	1.6	0.7
2. Grading/Excavation	7.9	5.7	3.3
3. Mat Foundation (cont. pour)	10.5	8.1	5.1
4. Building Foundation	4.8	3.2	1.3
5. Building Construction	10.3	8.0	3.9
6. Paving/Landscape	2.4	1.5	0.5
Maximum Noise Increase, dBA (Leq)			
	10.5	8.1	5.1

**INPUT: ROADWAYS**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control			Segment
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

Eyestone Environmental				6 October 2021									
Sean Bui				TNM 2.5									
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		Sunset + Wilcox											
RUN:		Off-site Construction - 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
Haul Route		point1	1	10	35	0	0	4	35	0	0	0	0
		point2	2										

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental Sean Bui							6 October 2021 TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>									
<b>RUN:</b>		<b>Off-site Construction - Demo</b>									
<b>Receiver</b>											
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Coordinates (ground)</b>			<b>Height</b>	<b>Input Sound Levels and Criteria</b>				<b>Active</b>
			<b>X</b>	<b>Y</b>	<b>Z</b>	<b>above</b>	<b>Existing</b>	<b>Impact Criteria</b>		<b>NR</b>	<b>in</b>
						<b>Ground</b>	<b>LAeq1h</b>	<b>LAeq1h</b>	<b>Sub'l</b>	<b>Goal</b>	<b>Calc.</b>
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilcox and Cahuenga	1	1	250.0	25.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental						6 October 2021							
Sean Bui						TNM 2.5							
						Calculated with TNM 2.5							
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox										
<b>RUN:</b>			Off-site Construction - Demo										
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS			Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.							
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier Calculated LAeq1h</b>	<b>Noise Reduction Calculated Goal</b>		<b>Calculated minus Goal</b>
				dB	dB	dB	dB	dB		dB	dB	dB	dB
Wilcox and Cahuenga		1	1	0.0	58.7	71	58.7	5	----	58.7	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Demo

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control		Segment	
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

Eyestone Environmental				6 October 2021									
Sean Bui				TNM 2.5									
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		Sunset + Wilcox											
RUN:		Off-site Construction - Demo											
Roadway		Points											
Name		Name		No.		Segment							
						Autos		MTrucks		HTrucks		Buses	
						V S		V S		V S		V S	
						veh/hr mph		veh/hr mph		veh/hr mph		veh/hr mph	
Haul Route		point1		1		10 35		0 0		8 35		0 0	
		point2		2									

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021				
Sean Bui							TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>									
<b>RUN:</b>		<b>Off-site Construction - Demo</b>									
<b>Receiver</b>											
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Coordinates (ground)</b>			<b>Height</b>	<b>Input Sound Levels and Criteria</b>				<b>Active</b>
			<b>X</b>	<b>Y</b>	<b>Z</b>	<b>above</b>	<b>Existing</b>	<b>Impact Criteria</b>		<b>NR</b>	<b>in</b>
						<b>Ground</b>	<b>LAeq1h</b>	<b>LAeq1h</b>	<b>Sub'l</b>	<b>Goal</b>	<b>Calc.</b>
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Sunset Blvd	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental						6 October 2021							
Sean Bui						TNM 2.5							
						Calculated with TNM 2.5							
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			<b>Sunset + Wilcox</b>										
<b>RUN:</b>			<b>Off-site Construction - Demo</b>										
<b>BARRIER DESIGN:</b>			<b>INPUT HEIGHTS</b>						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH										
<b>Receiver</b>													
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier</b>				
									<b>Calculated LAeq1h</b>	<b>Noise Reduction Calculated</b>		<b>Goal</b>	<b>Calculated minus Goal</b>
			dB	dB	dB	dB	dB		dB	dB	dB	dB	dB
Sunset Blvd	1	1	0.0	58.7	71	58.7	5	----	58.7	0.0	0	0.0	
<b>Dwelling Units</b>		<b># DUs</b>	<b>Noise Reduction</b>										
			<b>Min</b>	<b>Avg</b>	<b>Max</b>								
			<b>dB</b>	<b>dB</b>	<b>dB</b>								
All Selected		1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021  
TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control			Segment
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

Eyestone Environmental				6 October 2021									
Sean Bui				TNM 2.5									
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		Sunset + Wilcox											
RUN:		Off-site Construction - 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
Haul Route		point1	1	50	35	0	0	25	35	0	0	0	0
		point2	2										

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental Sean Bui							6 October 2021 TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>									
<b>RUN:</b>		<b>Off-site Construction - Grading</b>									
<b>Receiver</b>											
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Coordinates (ground)</b>			<b>Height</b>	<b>Input Sound Levels and Criteria</b>				<b>Active</b>
			<b>X</b>	<b>Y</b>	<b>Z</b>	<b>above</b>	<b>Existing</b>	<b>Impact Criteria</b>		<b>NR</b>	<b>in</b>
						<b>Ground</b>	<b>LAeq1h</b>	<b>LAeq1h</b>	<b>Sub'l</b>	<b>Goal</b>	<b>Calc.</b>
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilcox and Cahuenga	1	1	250.0	25.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

<b>Eyestone Environmental</b>						<b>6 October 2021</b>							
<b>Sean Bui</b>						<b>TNM 2.5</b>							
						<b>Calculated with TNM 2.5</b>							
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			<b>Sunset + Wilcox</b>										
<b>RUN:</b>			<b>Off-site Construction - Grading</b>										
<b>BARRIER DESIGN:</b>			<b>INPUT HEIGHTS</b>						<b>Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.</b>				
<b>ATMOSPHERICS:</b>			<b>68 deg F, 50% RH</b>										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier</b>			
									<b>Calculated LAeq1h</b>	<b>Noise Reduction</b>		<b>Calculated minus Goal</b>	
				<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>		<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>
Wilcox and Cahuenga		1	1	0.0	66.6	71	66.6	5	----	66.6	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:**

Sunset + Wilcox

**RUN:**

Off-site Construction - Grading

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control			Segment
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

Eyestone Environmental		6 October 2021											
Sean Bui		TNM 2.5											
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		Sunset + Wilcox											
RUN:		Off-site Construction - Grading											
Roadway		Points											
Name		Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
				Autos		V	S	V	S	V	S	V	S
				veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Haul Route		point1	1	50	35	0	0	50	35	0	0	0	0
		point2	2										

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021				
Sean Bui							TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>									
<b>RUN:</b>		<b>Off-site Construction - Grading</b>									
<b>Receiver</b>											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z		above	Existing	Impact Criteria	NR	
						Ground	L <sub>Aeq</sub> 1h	L <sub>Aeq</sub> 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Sunset Blvd.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental						6 October 2021							
Sean Bui						TNM 2.5							
						Calculated with TNM 2.5							
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox										
<b>RUN:</b>			Off-site Construction - Grading										
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier Calculated LAeq1h</b>	<b>Noise Reduction Calculated Goal</b>		<b>Calculated minus Goal</b>
				dB	dB	dB	dB	dB		dB	dB	dB	dB
Sunset Blvd.		1	1	0.0	66.6	71	66.6	5	----	66.6	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox

**RUN:** Off-site Construction - Mat Foundation

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control		Segment	
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

Eyestone Environmental				6 October 2021									
Sean Bui				TNM 2.5									
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		Sunset + Wilcox											
RUN:		Off-site Construction - Mat Foundation											
Roadway		Points											
Name		Name		No.		Segment							
						Autos		MTrucks		HTrucks		Buses	
						V S		V S		V S		V S	
						veh/hr mph		veh/hr mph		veh/hr mph		veh/hr mph	
Haul Route		point1		1		100 35		0 0		50 35		0 0	
		point2		2									

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental Sean Bui							6 October 2021 TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>									
<b>RUN:</b>		<b>Off-site Construction - Mat Foundation</b>									
<b>Receiver</b>											
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	
Wilcox and Cahuenga	1	1	250.0	25.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021						
Sean Bui							TNM 2.5						
							Calculated with TNM 2.5						
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox										
<b>RUN:</b>			Off-site Construction - Mat Foundation										
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing</b>		<b>With Barrier</b>				
							<b>Calculated</b>	<b>Crit'n</b>	<b>Type Impact</b>	<b>Calculated LAeq1h</b>	<b>Noise Reduction</b>		<b>Calculated minus Goal</b>
				dB	dB	dB	dB	dB		dB	dB	dB	dB
Wilcox and Cahuenga		1	1	0.0	69.6	71	69.6	5	----	69.6	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:**

Sunset + Wilcox

**RUN:**

Off-site Construction - Mat Foundation

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control			Segment
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

<b>Eyestone Environmental</b>													
<b>Sean Bui</b>													
<b>INPUT: TRAFFIC FOR LAeq1h Volumes</b>													
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>											
<b>RUN:</b>		<b>Off-site Construction - Mat Foundation</b>											
<b>Roadway</b>		<b>Points</b>											
<b>Name</b>		<b>Name</b>		<b>No.</b>		<b>Segment</b>							
						<b>Autos</b>		<b>MTrucks</b>		<b>HTrucks</b>		<b>Buses</b>	
						<b>V S</b>		<b>V S</b>		<b>V S</b>		<b>V S</b>	
						veh/hr mph		veh/hr mph		veh/hr mph		veh/hr mph	
Haul Route		point1		1		100 35		0 0		100 35		0 0	
		point2		2									

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental Sean Bui							6 October 2021 TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>									
<b>RUN:</b>		<b>Off-site Construction - Mat Foundation</b>									
<b>Receiver</b>											
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Coordinates (ground)</b>			<b>Height</b>	<b>Input Sound Levels and Criteria</b>				<b>Active</b>
			<b>X</b>	<b>Y</b>	<b>Z</b>	<b>above</b>	<b>Existing</b>	<b>Impact Criteria</b>		<b>NR</b>	<b>in</b>
						<b>Ground</b>	<b>L<sub>Aeq</sub>1h</b>	<b>L<sub>Aeq</sub>1h</b>	<b>Sub'l</b>	<b>Goal</b>	<b>Calc.</b>
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Sunset Blvd.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental						6 October 2021							
Sean Bui						TNM 2.5							
						Calculated with TNM 2.5							
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox										
<b>RUN:</b>			Off-site Construction - Mat Foundation										
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier Calculated LAeq1h</b>	<b>Noise Reduction Calculated Goal</b>		<b>Calculated minus Goal</b>
				dB	dB	dB	dB	dB		dB	dB	dB	dB
Sunset Blvd.		1	1	0.0	69.6	71	69.6	5	----	69.6	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Building Foundatio

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control		Segment	
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

<b>Eyestone Environmental</b>													
<b>Sean Bui</b>													
<b>INPUT: TRAFFIC FOR LAeq1h Volumes</b>													
<b>PROJECT/CONTRACT:</b>													
<b>RUN:</b>													
<b>Roadway</b>		<b>Points</b>											
<b>Name</b>		<b>Name</b>		<b>No.</b>		<b>Segment</b>							
						<b>Autos</b>		<b>MTrucks</b>		<b>HTrucks</b>		<b>Buses</b>	
						<b>V</b>		<b>S</b>		<b>V</b>		<b>S</b>	
						veh/hr		mph		veh/hr		mph	
Haul Route		point1		1		100		35		0		0	
		point2		2									

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental Sean Bui							6 October 2021 TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>									
<b>RUN:</b>		<b>Off-site Construction - Building Foundatio</b>									
<b>Receiver</b>											
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	dB	dB	dB	dB	
Wilcox and Cahuenga	1	1	250.0	25.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021						
Sean Bui							TNM 2.5						
							Calculated with TNM 2.5						
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox										
<b>RUN:</b>			Off-site Construction - Building Foundatio										
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing</b>		<b>With Barrier</b>				
							<b>Calculated</b>	<b>Crit'n</b>	<b>Type Impact</b>	<b>Calculated LAeq1h</b>	<b>Noise Reduction</b>		<b>Calculated minus Goal</b>
				dB	dB	dB	dB	dB		dB	dB	dB	dB
Wilcox and Cahuenga		1	1	0.0	62.5	71	62.5	5	----	62.5	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Building Foundatio

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control			Segment	
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?	
	ft			ft	ft	ft		mph	%			
Haul 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**

**Sunset + Wilcox**

<b>Eyestone Environmental</b>													
<b>Sean Bui</b>													
<b>INPUT: TRAFFIC FOR LAeq1h Volumes</b>													
<b>PROJECT/CONTRACT:</b>													
<b>RUN:</b>													
<b>Roadway</b>		<b>Points</b>											
<b>Name</b>		<b>Name</b>		<b>No.</b>		<b>Segment</b>							
						<b>Autos</b>		<b>MTrucks</b>		<b>HTrucks</b>		<b>Buses</b>	
						<b>V</b>		<b>S</b>		<b>V</b>		<b>S</b>	
						veh/hr		mph		veh/hr		mph	
<b>Haul Route</b>		point1		1		100		35		0		0	
		point2		2									

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021				
Sean Bui							TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		Sunset + Wilcox									
<b>RUN:</b>		Off-site Construction - Building Foundatio									
<b>Receiver</b>											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z		above	Existing	Impact Criteria		
						Ground	L <sub>Aeq</sub> 1h	L <sub>Aeq</sub> 1h	Sub'l	Goal	in
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Sunset Blvd.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental													6 October 2021	
Sean Bui													TNM 2.5	
													Calculated with TNM 2.5	
<b>RESULTS: SOUND LEVELS</b>														
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox											
<b>RUN:</b>			Off-site Construction - Building Foundatio											
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH											
<b>Receiver</b>														
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing</b>		<b>With Barrier</b>					
							<b>Calculated</b>	<b>Crit'n</b>	<b>Type Impact</b>	<b>Calculated LAeq1h</b>	<b>Noise Reduction</b>		<b>Calculated minus Goal</b>	
				dB	dB	dB	dB	dB		dB	dB	dB	dB	
Sunset Blvd.		1	1	0.0	61.7	71	61.7	5	----	61.7	0.0	0	0.0	
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>										
				<b>Min</b>	<b>Avg</b>	<b>Max</b>								
				<b>dB</b>	<b>dB</b>	<b>dB</b>								
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Bldg Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control			Segment
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

<b>Eyestone Environmental</b>													
<b>Sean Bui</b>													
<b>INPUT: TRAFFIC FOR LAeq1h Volumes</b>													
<b>PROJECT/CONTRACT:</b>													
<b>RUN:</b>													
<b>Roadway</b>		<b>Points</b>											
<b>Name</b>		<b>Name</b>		<b>No.</b>		<b>Segment</b>							
						<b>Autos</b>		<b>MTrucks</b>		<b>HTrucks</b>		<b>Buses</b>	
						<b>V</b>		<b>S</b>		<b>V</b>		<b>S</b>	
						veh/hr		mph		veh/hr		mph	
Haul Route		point1		1		800		35		0		0	
		point2		2									

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021				
Sean Bui							TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>			<b>Sunset + Wilcox</b>								
<b>RUN:</b>			<b>Off-site Construction - Bldg Construction</b>								
<b>Receiver</b>											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z		above	Existing	Impact Criteria	NR	
						Ground	L <sub>Aeq</sub> 1h	L <sub>Aeq</sub> 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilcox and Cahuenga	1	1	250.0	25.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental						6 October 2021							
Sean Bui						TNM 2.5							
						Calculated with TNM 2.5							
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox										
<b>RUN:</b>			Off-site Construction - Bldg Construction										
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier Calculated LAeq1h</b>	<b>Noise Reduction Calculated Goal</b>		<b>Calculated minus Goal</b>
				dB	dB	dB	dB	dB		dB	dB	dB	dB
Wilcox and Cahuenga		1	1	0.0	69.4	71	69.4	5	----	69.4	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Bldg Construction

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control			Segment
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

Eyestone Environmental				6 October 2021									
Sean Bui				TNM 2.5									
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		Sunset + Wilcox											
RUN:		Off-site Construction - Bldg Construction											
Roadway		Points											
Name		Name		No.		Segment							
						Autos		MTrucks		HTrucks		Buses	
						V S		V S		V S		V S	
						veh/hr mph		veh/hr mph		veh/hr mph		veh/hr mph	
Haul Route		point1		1		800 35		0 0		28 35		0 0	
		point2		2									

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental Sean Bui							6 October 2021 TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>									
<b>RUN:</b>		<b>Off-site Construction - Bldg Construction</b>									
<b>Receiver</b>											
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Coordinates (ground)</b>			<b>Height</b>	<b>Input Sound Levels and Criteria</b>				<b>Active</b>
			<b>X</b>	<b>Y</b>	<b>Z</b>	<b>above</b>	<b>Existing</b>	<b>Impact Criteria</b>		<b>NR</b>	<b>in</b>
						<b>Ground</b>	<b>LAeq1h</b>	<b>LAeq1h</b>	<b>Sub'l</b>	<b>Goal</b>	<b>Calc.</b>
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Sunset Blvd.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental						6 October 2021						
Sean Bui						TNM 2.5						
						Calculated with TNM 2.5						
<b>RESULTS: SOUND LEVELS</b>												
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox									
<b>RUN:</b>			Off-site Construction - Bldg Construction									
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.			
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH									
<b>Receiver</b>												
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier Calculated LAeq1h</b>	<b>Noise Reduction</b>		
										<b>Calculated</b>	<b>Goal</b>	<b>Calculated minus Goal</b>
			dB	dB	dB	dB	dB		dB	dB	dB	dB
Sunset Blvd.	1	1	0.0	67.7	71	67.7	5	----	67.7	0.0	0	0.0
<b>Dwelling Units</b>		<b># DUs</b>	<b>Noise Reduction</b>									
			<b>Min</b>	<b>Avg</b>	<b>Max</b>							
			<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected		1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control			Segment	
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?	
	ft			ft	ft	ft		mph	%			
Haul 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**

**Sunset + Wilcox**

Eyestone Environmental				6 October 2021									
Sean Bui				TNM 2.5									
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		Sunset + Wilcox											
RUN:		Off-site Construction - Paving											
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
Haul Route		point1	1	20	35	0	0	3	35	0	0	0	0
		point2	2										

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental Sean Bui							6 October 2021 TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>									
<b>RUN:</b>		<b>Off-site Construction - Paving</b>									
<b>Receiver</b>											
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Coordinates (ground)</b>			<b>Height</b>	<b>Input Sound Levels and Criteria</b>				<b>Active</b>
			<b>X</b>	<b>Y</b>	<b>Z</b>	<b>above</b>	<b>Existing</b>	<b>Impact Criteria</b>		<b>NR</b>	<b>in</b>
						<b>Ground</b>	<b>LAeq1h</b>	<b>LAeq1h</b>	<b>Sub'l</b>	<b>Goal</b>	<b>Calc.</b>
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilcox and Cahuenga	1	1	250.0	25.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental						6 October 2021							
Sean Bui						TNM 2.5							
						Calculated with TNM 2.5							
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox										
<b>RUN:</b>			Off-site Construction - Paving										
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier Calculated LAeq1h</b>	<b>Noise Reduction Calculated Goal</b>		<b>Calculated minus Goal</b>
				dB	dB	dB	dB	dB		dB	dB	dB	dB
Wilcox and Cahuenga		1	1	0.0	58.2	71	58.2	5	----	58.2	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Paving

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control			Segment
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

Eyestone Environmental				6 October 2021									
Sean Bui				TNM 2.5									
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		Sunset + Wilcox											
RUN:		Off-site Construction - Paving											
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
Haul Route		point1	1	20	35	0	0	5	35	0	0	0	0
		point2	2										

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental Sean Bui							6 October 2021 TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>									
<b>RUN:</b>		<b>Off-site Construction - Paving</b>									
<b>Receiver</b>											
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Coordinates (ground)</b>			<b>Height</b>	<b>Input Sound Levels and Criteria</b>				<b>Active</b>
			<b>X</b>	<b>Y</b>	<b>Z</b>	<b>above</b>	<b>Existing</b>	<b>Impact Criteria</b>		<b>NR</b>	<b>in</b>
						<b>Ground</b>	<b>LAeq1h</b>	<b>LAeq1h</b>	<b>Sub'l</b>	<b>Goal</b>	<b>Calc.</b>
			ft	ft	ft	ft	dBa	dBa	dB	dB	
Sunset Blvd.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

<b>Eyestone Environmental</b>						<b>6 October 2021</b>							
<b>Sean Bui</b>						<b>TNM 2.5</b>							
						<b>Calculated with TNM 2.5</b>							
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			<b>Sunset + Wilcox</b>										
<b>RUN:</b>			<b>Off-site Construction - Paving</b>										
<b>BARRIER DESIGN:</b>			<b>INPUT HEIGHTS</b>						<b>Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.</b>				
<b>ATMOSPHERICS:</b>			<b>68 deg F, 50% RH</b>										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier</b>			
									<b>Calculated LAeq1h</b>	<b>Noise Reduction</b>		<b>Calculated minus Goal</b>	
				<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>		<b>Calculated LAeq1h</b>	<b>Calculated</b>	<b>Goal</b>	<b>Calculated minus Goal</b>
				<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>		<b>dB</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>
Sunset Blvd.		1	1	0.0	57.2	71	57.2	5	----	57.2	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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: Sunset + Wilcox Project EIR**

**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 Damages**

Equipment	Reference Vibration Levels at 25 ft., PPV	Estimated Vibration Levels at nearest off-site building structures (distance in feet), PPV						
		Single- and Two-story Commercial to the North	Single-Story Commercial Building to the South	Office Tower & Parking Structure to the East	Single-Story Commercial building to the East	6464 Sunset (historic)	Single-Story Commercial building to the West	1355 Cahuenga (historic)
		100	5	60	60	65	70	60
Large Bulldozer	0.089	0.011	0.523	0.024	0.024	0.021	0.019	0.024
Caisson Drilling	0.089	0.011	0.523	0.024	0.024	0.021	0.019	0.024
Loaded Trucks	0.076	0.010	0.446	0.020	0.020	0.018	0.016	0.020
Jackhammer	0.035	0.004	0.206	0.009	0.009	0.008	0.008	0.009
Small bulldozer	0.003	0.000	0.018	0.001	0.001	0.001	0.001	0.001
Significance Threshold, PPV		0.3	0.3	0.5	0.3	0.5	0.3	0.12

**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	R5	R6	
		220	130	355	300	225	10	
Large Bulldozer	87	58.7	65.5	52.4	54.6	58.4	98.9	
Caisson Drilling	87	58.7	65.5	52.4	54.6	58.4	98.9	
Loaded Trucks	86	57.7	64.5	51.4	53.6	57.4	97.9	
Jackhammer	79	50.7	57.5	44.4	46.6	50.4	90.9	
Small bulldozer	58	29.7	36.5	23.4	25.6	29.4	69.9	
Significance Threshold, VdB		72	72	72	72	72	65	

**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						
		Arena Cinelounge	TV Studio at CNN Bldg					
		65	60					
Large Bulldozer	87	74.6	75.6					
Caisson Drilling	87	74.6	75.6					
Loaded Trucks	86	73.6	74.6					
Jackhammer	79	66.6	67.6					
Small bulldozer	58	45.6	46.6					
Significance Threshold, VdB		72	65					

**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						
Significance Threshold, PPV		0.12						

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						
		25						
Typical road surface	63	72.0						
Significance Threshold, VdB		72.0						

Ref. Levels based on FTA Figure 7-3

# Operation Noise Calculations

## Project Composite Noise Calculations (CNEL)

Project: Sunset + Wilcox Project

Receptor	Ambient	Traffic <sup>a</sup>	Mechanical	Loading		Outdoor		Project Composite	Ambient + Project	Increase
R1	62.9	54.4	49.1	29.3		52.5		57.3	64.0	1.1
R1U	62.9	54.3	49.9	29.1		53.2		57.6	64.0	1.1
R2	67.4	55.5	46.5	23.9		61.1		62.3	68.6	1.2
R2U	67.4	53.5	47.5	23.3		62.0		62.7	68.7	1.3
R3	67.0	57.2	43.8	22.7		51.5		58.4	67.6	0.6
R4	70.7	53.5	50.0	24.4		48.4		55.9	70.8	0.1
R4U	70.7	51.2	52.9	28.9		53.7		57.5	70.9	0.2
R5	66.1	58.3	45.0	16.4		55.4		60.2	67.1	1.0
R5U	66.1	55.0	46.0	15.5		56.6		59.1	66.9	0.8
R6	62.6	55.6	43.7	22.1		55.7		58.8	64.1	1.5

<sup>a</sup> - 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.

U - Represents upper levels.

Receptor	Roadway Segment	Traffic Noise Levels, CNEL			distance to roadway, ft	Existing	Existing + Project	barrier	distance to Center Line	adj. for distance
		Existing	Existing + Project	Project Only						
R1	Wilcox Ave.	59.8	60.9	54.4	165	67.4	68.5	0	33	-7.6
R1U	Wilcox Ave.	59.7	60.8	54.3	167	67.4	68.5	0	33	-7.7
R2	Sunset Blvd.	71.8	71.9	55.5	10	71.8	71.9	0	45	0.0
R2U	Sunset Blvd.	69.8	69.9	53.5	36	71.8	71.9	0	45	-2.0
R3	Cahuenga Blvd.	70.5	70.7	57.2	10	70.5	70.7	0	38	0.0
R4	Cahuenga Blvd.	69.8	69.9	53.5	10	69.8	69.9	0	38	0.0
R4U	Cahuenga Blvd.	67.5	67.6	51.2	36	69.8	69.9	0	38	-2.3
R5	Wilcox Ave.	67.4	67.9	58.3	10	67.4	67.9	0	33	0.0
R5U	Wilcox Ave.	64.2	64.7	55.0	46	67.4	67.9	0	33	-3.2
R6	Wilcox Ave.	61.0	62.1	55.6	118	67.4	68.5	0	33	-6.4

### For report, based on the worst-case (highest noise impacts)

Receptor	Ambient	Traffic	Mechanical	Loading		Outdoor		Project Composite	Ambient + Project	Increase
R1	62.9	54.3	49.9	29.1		53.2		57.6	64.0	1.1
R2	67.4	53.5	47.5	23.3		62.0		62.7	68.7	1.3
R3	67.0	57.2	43.8	22.7		51.5		58.4	67.6	0.6
R4	70.7	51.2	52.9	28.9		53.7		57.5	70.9	0.2
R5	66.1	58.3	45.0	16.4		55.4		60.2	67.1	1.0
R6	62.6	55.6	43.7	22.1		55.7		58.8	64.1	1.5

## Outdoor Mechanical Equipment Noise Calculations

Project: Sunset + Wilcox Project

Receptor	Estimated Noise Levels, Leq from SOUNDPLAN		Hours of Operations		
	Leq	CNEL	Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
			12	3	9
R1	42.4	49.1	42.4	42.4	42.4
R1U	43.2	49.9	43.2	43.2	43.2
R2	39.8	46.5	39.8	39.8	39.8
R2U	40.8	47.5	40.8	40.8	40.8
R3	37.1	43.8	37.1	37.1	37.1
R4	43.3	50.0	43.3	43.3	43.3
R4U	46.2	52.9	46.2	46.2	46.2
R5	38.3	45.0	38.3	38.3	38.3
R5U	39.3	46.0	39.3	39.3	39.3
R6	37.0	43.7	37.0	37.0	37.0

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	62.9	63.1	0.2	54.6	54.9	0.3
R1U	62.9	63.1	0.2	54.6	54.9	0.3
R2	67.4	67.4	0.0	57.3	57.4	0.1
R2U	67.4	67.4	0.0	57.3	57.4	0.1
R3	67.0	67.0	0.0	59.1	59.1	0.0
R4	67.0	67.1	0.1	62.9	62.9	0.0
R4U	70.7	70.8	0.1	62.9	63.0	0.1
R5	66.1	66.1	0.0	52.1	52.3	0.2
R5U	66.1	66.1	0.0	52.1	52.3	0.2
R6	62.6	62.7	0.1	52.8	52.9	0.1

Receptor	Ambient, (Leq)	Project, (Leq)	Amb+Project, (Leq)	Criteria, (Leq)	Exceedance
R1	54.6	43.2	54.9	59.6	0.0
R2	57.3	40.8	57.4	62.3	0.0
R3	59.1	37.1	59.1	64.1	0.0
R4	62.9	46.2	63.0	67.9	0.0
R5	52.1	39.3	52.3	57.1	0.0
R6	52.8	37.0	52.9	57.8	0.0



## Loading & Trash Compactor Noise Calculations

Project: Sunset + Wilcox Project

Estimated noise levels, Leq (FROM SOUNDPLAN)					Hours of Operations		
					Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
Receptor	Loading	Trash Compactor	Total, Leq	CNEL	3	3	0
R1	32.0	13.8	32.1	29.3	26.1	32.1	0.0
R1U	31.9	10.1	31.9	29.1	25.9	31.9	0.0
R2	22.9	24.4	26.7	23.9	20.7	26.7	0.0
R2U	21.9	24.0	26.1	23.3	20.1	26.1	0.0
R3	25.1	14.3	25.4	22.7	19.4	25.4	0.0
R4	26.2	20.3	27.2	24.4	21.2	27.2	0.0
R4U	31.7	2.4	31.7	28.9	25.7	31.7	0.0
R5	17.0	14.1	18.8	16.4	12.8	18.8	0.0
R5U	15.9	13.2	17.8	15.5	11.8	17.8	0.0
R6	23.1	19.9	24.8	22.1	18.8	24.8	0.0

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	62.9	62.9	0.0	54.6	32.1	54.6	0.0
R1U	62.9	62.9	0.0	54.6	31.9	54.6	0.0
R2	67.4	67.4	0.0	57.3	26.7	57.3	0.0
R2U	67.4	67.4	0.0	57.3	26.1	57.3	0.0
R3	67.0	67.0	0.0	59.1	25.4	59.1	0.0
R4	67.0	67.0	0.0	62.9	27.2	62.9	0.0
R4U	70.7	70.7	0.0	62.9	31.7	62.9	0.0
R5	66.1	66.1	0.0	52.1	18.8	52.1	0.0
R5U	66.1	66.1	0.0	52.1	17.8	52.1	0.0
R6	62.6	62.6	0.0	52.8	24.8	52.8	0.0

Receptor	Ambient, (Leq)	Project, (Leq)	Ambient + Project, (Leq)	Criteria, (Leq)	Exceedance
R1	54.6	32.1	54.6	59.6	0.0
R2	57.3	26.7	57.3	62.3	0.0
R3	59.1	25.4	59.1	64.1	0.0
R4	62.9	31.7	62.9	67.9	0.0
R5	52.1	18.8	52.1	57.1	0.0
R6	52.8	24.8	52.8	57.8	0.0

## Outdoor Noise Calculations

Project: Sunset + Wilcox Project

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	3	4
R1	47.0	42.8	48.4	52.5	48.4	48.4	44.9
R1U	47.8	43.3	49.1	53.2	49.1	49.1	45.6
R2	55.9	50.6	57.0	61.1	57.0	57.0	53.5
R2U	56.9	51.1	57.9	62.0	57.9	57.9	54.4
R3	46.4	40.4	47.4	51.5	47.4	47.4	43.9
R4	41.8	40.8	44.3	48.4	44.3	44.3	40.8
R4U	48.7	42.3	49.6	53.7	49.6	49.6	46.1
R5	50.5	43.6	51.3	55.4	51.3	51.3	47.8
R5U	51.8	44.0	52.5	56.6	52.5	52.5	49.0
R6	42.2	51.1	51.6	55.7	51.6	51.6	48.1

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	62.9	63.3	0.4	54.6	48.4	48.4	-6.2
R1U	62.9	63.3	0.4	54.6	49.1	49.1	-5.5
R2	67.4	68.3	0.9	57.3	57.0	60.2	2.9
R2U	67.4	68.5	1.1	57.3	57.9	60.6	3.3
R3	67.0	67.1	0.1	59.1	47.4	47.4	-11.7
R4	67.0	67.1	0.1	62.9	44.3	44.3	-18.6
R4U	70.7	70.8	0.1	62.9	49.6	49.6	-13.3
R5	66.1	66.5	0.4	52.1	51.3	51.3	-0.8
R5U	66.1	66.6	0.5	52.1	52.5	52.5	0.4
R6	62.6	63.4	0.8	52.8	51.6	51.6	-1.2

Receptor	Ambient, (Leq)	Project, (Leq)	Ambient + Project, (Leq)	Criteria, (Leq)	Exceedance
R1	54.6	49.1	55.7	59.6	0.0
R2	57.3	57.9	60.6	62.3	0.0
R3	59.1	47.4	59.4	64.1	0.0
R4	62.9	49.6	63.1	67.9	0.0
R5	52.1	52.5	55.3	57.1	0.0
R6	52.8	51.6	55.3	57.8	0.0

## Parking Noise Calculations

Project: Sunset + Wilcox Project

Receptor	Estimated Noise Levels, Leq from SOUNDPLAN		Hours of Operations		
	Leq	CNEL	Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
			12	3	9
R1	2.6	9.3	2.6	2.6	2.6
R1U	2.7	9.4	2.7	2.7	2.7
R2	-2.3	4.4	-2.3	-2.3	-2.3
R2U	-1.3	5.4	-1.3	-1.3	-1.3
R3	-5.0	1.7	-5.0	-5.0	-5.0
R4	26.3	33.0	26.3	26.3	26.3
R4U	25.8	32.5	25.8	25.8	25.8
R5	14.1	20.8	14.1	14.1	14.1
R5U	15.9	22.6	15.9	15.9	15.9
R6	19.4	26.1	19.4	19.4	19.4

## Sunset + Wilcox Source Levels in dB(A) - Speakers

**3**

Name	Source type	Lw dB(A)	
Speakers Level 01	Point	99.2	
Speakers Level 01	Point	99.2	
Speakers Level 01	Point	99.2	
Speakers Level 01	Point	99.2	
Speakers Level 01	Point	99.2	
Speakers Level 01	Point	99.2	
Speakers Level 04	Point	99.2	
Speakers Level 04	Point	99.2	
Speakers Level 04	Point	99.2	
Speakers Level 04	Point	99.2	
Speakers Level 04	Point	99.2	
Speakers Level 05	Point	99.2	
Speakers Level 05	Point	99.2	
Speakers Level 05	Point	99.2	
Speakers Level 05	Point	99.2	
Speakers Level 06 (N)	Point	108.6	
Speakers Level 06 (N)	Point	108.6	
Speakers Level 06 (N)	Point	108.6	
Speakers Level 06 (N)	Point	108.6	
Speakers Level 06 (N)	Point	108.6	
Speakers Level 06 (N)	Point	108.6	
Speakers Level 06 (N)	Point	108.6	
Speakers Level 06 (N)	Point	108.6	
Speakers Level 06 (N)	Point	108.6	
Speakers Level 06 (N)	Point	108.6	
Speakers Level 06 (S)	Point	99.2	
Speakers Level 06 (S)	Point	99.2	
Speakers Level 06 (S)	Point	99.2	
Speakers Level 06 (S)	Point	99.2	
Speakers Level 06 (S)	Point	99.2	
Speakers Level 07 (N)	Point	99.2	
Speakers Level 07 (N)	Point	99.2	
Speakers Level 07 (S)	Point	99.2	
Speakers Level 07 (S)	Point	99.2	
Speakers Level 07 (S)	Point	99.2	
Speakers Level 07 (S)	Point	99.2	
Speakers Level 08	Point	99.2	
Speakers Level 08	Point	99.2	

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**Sunset + Wilcox  
Source Levels in dB(A) - Speakers**

**3**

Name	Source type	Lw dB(A)	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	
Speakers Level 14	Point	99.2	

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)
Receiver R1 FI 1.FL Leq,d 47.0 dB(A)		
Speakers Level 01	Point	8.9
Speakers Level 01	Point	8.3
Speakers Level 01	Point	7.9
Speakers Level 01	Point	7.7
Speakers Level 01	Point	7.6
Speakers Level 01	Point	7.7
Speakers Level 04	Point	5.6
Speakers Level 04	Point	11.3
Speakers Level 04	Point	17.4
Speakers Level 04	Point	6.5
Speakers Level 04	Point	6.0
Speakers Level 05	Point	5.4
Speakers Level 05	Point	11.0
Speakers Level 05	Point	17.2
Speakers Level 05	Point	5.4
Speakers Level 05	Point	6.2
Speakers Level 06 (S)	Point	7.1
Speakers Level 06 (S)	Point	5.9
Speakers Level 06 (S)	Point	16.5
Speakers Level 06 (S)	Point	12.0
Speakers Level 06 (S)	Point	6.6
Speakers Level 06 (N)	Point	17.6
Speakers Level 06 (N)	Point	16.8
Speakers Level 06 (N)	Point	17.8
Speakers Level 06 (N)	Point	28.8
Speakers Level 06 (N)	Point	25.8
Speakers Level 06 (N)	Point	24.8
Speakers Level 06 (N)	Point	31.4
Speakers Level 06 (N)	Point	35.4
Speakers Level 06 (N)	Point	31.5
Speakers Level 06 (N)	Point	23.1
Speakers Level 07 (N)	Point	17.6
Speakers Level 07 (N)	Point	20.7
Speakers Level 07 (S)	Point	9.3
Speakers Level 07 (S)	Point	7.8
Speakers Level 07 (S)	Point	6.5
Speakers Level 07 (S)	Point	42.7
Speakers Level 08	Point	7.2
Speakers Level 08	Point	7.7
Speakers Level 08	Point	7.6

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**Sunset + Wilcox  
Contribution level - Speakers**

**9**

Source	Source type	Leq,d dB(A)
Speakers Level 09 (N)	Point	12.6
Speakers Level 09 (N)	Point	10.5
Speakers Level 09 (S)	Point	9.9
Speakers Level 09 (S)	Point	5.9
Speakers Level 09 (S)	Point	6.1
Speakers Level 09 (S)	Point	38.4
Speakers Level 10	Point	8.0
Speakers Level 10	Point	5.9
Speakers Level 10	Point	6.4
Speakers Level 11 (N)	Point	14.7
Speakers Level 11 (N)	Point	5.9
Speakers Level 11 (S)	Point	38.6
Speakers Level 11 (S)	Point	5.3
Speakers Level 11 (S)	Point	6.2
Speakers Level 11 (S)	Point	-0.3
Speakers Level 12	Point	4.4
Speakers Level 12	Point	5.6
Speakers Level 12	Point	4.8
Speakers Level 13 (N)	Point	13.4
Speakers Level 13 (N)	Point	12.9
Speakers Level 13 (N)	Point	12.6
Speakers Level 13 (N)	Point	14.1
Speakers Level 13 (N)	Point	15.0
Speakers Level 13 (S)	Point	4.8
Speakers Level 13 (S)	Point	4.5
Speakers Level 13 (S)	Point	4.3
Speakers Level 13 (S)	Point	5.0
Speakers Level 13 (S)	Point	5.4
Speakers Level 14	Point	11.8
Speakers Level 14	Point	9.6
Speakers Level 14	Point	9.1
Speakers Level 14	Point	12.7
Speakers Level 14	Point	15.6
Speakers Level 14	Point	13.7
Speakers Level 14	Point	13.2
Speakers Level 14	Point	12.7
Speakers Level 14	Point	14.5
Speakers Level 14	Point	17.4
Speakers Level 14	Point	18.4
Speakers Level 14	Point	17.8
Speakers Level 14	Point	17.1

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)	
Speakers Level 14	Point	17.1	
Speakers Level 14	Point	17.4	
Speakers Level 14	Point	17.5	
Speakers Level 14	Point	17.4	
Speakers Level 14	Point	17.4	
Speakers Level 14	Point	17.4	
Speakers Level 14	Point	30.0	
Speakers Level 14	Point	29.4	
Speakers Level 14	Point	28.6	
Speakers Level 14	Point	27.7	
Speakers Level 14	Point	30.5	
Speakers Level 14	Point	30.7	
Speakers Level 14	Point	29.1	
Speakers Level 14	Point	28.4	
Speakers Level 14	Point	27.9	
Receiver R1 FI 2.FL Leq,d 47.8 dB(A)			
Speakers Level 01	Point	8.5	
Speakers Level 01	Point	8.0	
Speakers Level 01	Point	7.6	
Speakers Level 01	Point	7.3	
Speakers Level 01	Point	7.1	
Speakers Level 01	Point	7.2	
Speakers Level 04	Point	4.8	
Speakers Level 04	Point	10.4	
Speakers Level 04	Point	17.2	
Speakers Level 04	Point	5.8	
Speakers Level 04	Point	5.2	
Speakers Level 05	Point	4.6	
Speakers Level 05	Point	10.1	
Speakers Level 05	Point	17.0	
Speakers Level 05	Point	6.3	
Speakers Level 05	Point	5.6	
Speakers Level 06 (S)	Point	6.2	
Speakers Level 06 (S)	Point	6.6	
Speakers Level 06 (S)	Point	16.0	
Speakers Level 06 (S)	Point	11.0	
Speakers Level 06 (S)	Point	5.7	
Speakers Level 06 (N)	Point	17.8	
Speakers Level 06 (N)	Point	16.9	
Speakers Level 06 (N)	Point	18.1	
Speakers Level 06 (N)	Point	29.6	

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)
Speakers Level 06 (N)	Point	26.2
Speakers Level 06 (N)	Point	25.2
Speakers Level 06 (N)	Point	31.0
Speakers Level 06 (N)	Point	35.2
Speakers Level 06 (N)	Point	31.0
Speakers Level 06 (N)	Point	22.6
Speakers Level 07 (N)	Point	16.7
Speakers Level 07 (N)	Point	20.1
Speakers Level 07 (S)	Point	10.1
Speakers Level 07 (S)	Point	8.8
Speakers Level 07 (S)	Point	7.2
Speakers Level 07 (S)	Point	43.6
Speakers Level 08	Point	7.7
Speakers Level 08	Point	8.3
Speakers Level 08	Point	8.0
Speakers Level 09 (N)	Point	13.7
Speakers Level 09 (N)	Point	11.2
Speakers Level 09 (S)	Point	10.5
Speakers Level 09 (S)	Point	6.6
Speakers Level 09 (S)	Point	6.8
Speakers Level 09 (S)	Point	39.5
Speakers Level 10	Point	8.6
Speakers Level 10	Point	6.5
Speakers Level 10	Point	7.1
Speakers Level 11 (N)	Point	14.1
Speakers Level 11 (N)	Point	5.2
Speakers Level 11 (S)	Point	39.9
Speakers Level 11 (S)	Point	6.1
Speakers Level 11 (S)	Point	6.9
Speakers Level 11 (S)	Point	0.5
Speakers Level 12	Point	3.6
Speakers Level 12	Point	4.7
Speakers Level 12	Point	4.0
Speakers Level 13 (N)	Point	12.4
Speakers Level 13 (N)	Point	11.9
Speakers Level 13 (N)	Point	11.5
Speakers Level 13 (N)	Point	13.3
Speakers Level 13 (N)	Point	14.4
Speakers Level 13 (S)	Point	5.5
Speakers Level 13 (S)	Point	5.2
Speakers Level 13 (S)	Point	5.0

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)	
Speakers Level 13 (S)	Point	5.7	
Speakers Level 13 (S)	Point	6.1	
Speakers Level 14	Point	12.5	
Speakers Level 14	Point	11.1	
Speakers Level 14	Point	9.8	
Speakers Level 14	Point	13.5	
Speakers Level 14	Point	16.5	
Speakers Level 14	Point	14.1	
Speakers Level 14	Point	13.6	
Speakers Level 14	Point	12.9	
Speakers Level 14	Point	15.3	
Speakers Level 14	Point	18.0	
Speakers Level 14	Point	18.6	
Speakers Level 14	Point	17.9	
Speakers Level 14	Point	17.2	
Speakers Level 14	Point	17.2	
Speakers Level 14	Point	17.9	
Speakers Level 14	Point	18.0	
Speakers Level 14	Point	17.9	
Speakers Level 14	Point	17.6	
Speakers Level 14	Point	17.5	
Speakers Level 14	Point	31.1	
Speakers Level 14	Point	30.4	
Speakers Level 14	Point	29.7	
Speakers Level 14	Point	28.8	
Speakers Level 14	Point	31.5	
Speakers Level 14	Point	31.8	
Speakers Level 14	Point	30.2	
Speakers Level 14	Point	29.5	
Speakers Level 14	Point	28.9	
Receiver R2 FI 1.FL Leq,d 55.9 dB(A)			
Speakers Level 01	Point	50.0	
Speakers Level 01	Point	48.2	
Speakers Level 01	Point	46.4	
Speakers Level 01	Point	44.9	
Speakers Level 01	Point	43.5	
Speakers Level 01	Point	42.7	
Speakers Level 04	Point	4.1	
Speakers Level 04	Point	2.9	
Speakers Level 04	Point	5.5	
Speakers Level 04	Point	1.8	

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## Sunset + Wilcox Contribution level - Speakers

9

Source	Source type	Leq,d dB(A)
Speakers Level 04	Point	1.3
Speakers Level 05	Point	4.0
Speakers Level 05	Point	2.8
Speakers Level 05	Point	5.4
Speakers Level 05	Point	1.6
Speakers Level 05	Point	0.7
Speakers Level 06 (S)	Point	2.3
Speakers Level 06 (S)	Point	1.1
Speakers Level 06 (S)	Point	6.3
Speakers Level 06 (S)	Point	2.7
Speakers Level 06 (S)	Point	1.7
Speakers Level 06 (N)	Point	36.3
Speakers Level 06 (N)	Point	38.7
Speakers Level 06 (N)	Point	37.5
Speakers Level 06 (N)	Point	40.4
Speakers Level 06 (N)	Point	39.4
Speakers Level 06 (N)	Point	39.0
Speakers Level 06 (N)	Point	39.2
Speakers Level 06 (N)	Point	41.0
Speakers Level 06 (N)	Point	41.1
Speakers Level 06 (N)	Point	41.3
Speakers Level 07 (N)	Point	31.8
Speakers Level 07 (N)	Point	29.3
Speakers Level 07 (S)	Point	2.7
Speakers Level 07 (S)	Point	2.0
Speakers Level 07 (S)	Point	5.4
Speakers Level 07 (S)	Point	20.3
Speakers Level 08	Point	27.6
Speakers Level 08	Point	27.5
Speakers Level 08	Point	24.7
Speakers Level 09 (N)	Point	32.5
Speakers Level 09 (N)	Point	30.9
Speakers Level 09 (S)	Point	2.7
Speakers Level 09 (S)	Point	1.6
Speakers Level 09 (S)	Point	4.8
Speakers Level 09 (S)	Point	19.8
Speakers Level 10	Point	27.5
Speakers Level 10	Point	26.0
Speakers Level 10	Point	25.8
Speakers Level 11 (N)	Point	26.7
Speakers Level 11 (N)	Point	26.2

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## Sunset + Wilcox Contribution level - Speakers

9

Source	Source type	Leq,d dB(A)
Speakers Level 11 (S)	Point	19.4
Speakers Level 11 (S)	Point	2.0
Speakers Level 11 (S)	Point	3.4
Speakers Level 11 (S)	Point	1.1
Speakers Level 12	Point	24.3
Speakers Level 12	Point	23.8
Speakers Level 12	Point	24.6
Speakers Level 13 (N)	Point	22.2
Speakers Level 13 (N)	Point	23.4
Speakers Level 13 (N)	Point	23.0
Speakers Level 13 (N)	Point	22.7
Speakers Level 13 (N)	Point	23.4
Speakers Level 13 (S)	Point	0.9
Speakers Level 13 (S)	Point	-0.3
Speakers Level 13 (S)	Point	-0.4
Speakers Level 13 (S)	Point	-1.1
Speakers Level 13 (S)	Point	4.4
Speakers Level 14	Point	27.8
Speakers Level 14	Point	27.8
Speakers Level 14	Point	27.6
Speakers Level 14	Point	28.1
Speakers Level 14	Point	28.5
Speakers Level 14	Point	15.4
Speakers Level 14	Point	14.8
Speakers Level 14	Point	14.2
Speakers Level 14	Point	16.8
Speakers Level 14	Point	19.0
Speakers Level 14	Point	9.4
Speakers Level 14	Point	8.7
Speakers Level 14	Point	8.1
Speakers Level 14	Point	7.7
Speakers Level 14	Point	12.5
Speakers Level 14	Point	11.0
Speakers Level 14	Point	11.6
Speakers Level 14	Point	28.6
Speakers Level 14	Point	29.1
Speakers Level 14	Point	19.1
Speakers Level 14	Point	18.6
Speakers Level 14	Point	18.4
Speakers Level 14	Point	18.3
Speakers Level 14	Point	19.0

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)	
Speakers Level 14	Point	19.3	
Speakers Level 14	Point	19.7	
Speakers Level 14	Point	20.1	
Speakers Level 14	Point	18.2	
Receiver R2 FI 2.FL Leq,d 56.9 dB(A)			
Speakers Level 01	Point	49.6	
Speakers Level 01	Point	48.0	
Speakers Level 01	Point	46.3	
Speakers Level 01	Point	44.9	
Speakers Level 01	Point	43.5	
Speakers Level 01	Point	42.7	
Speakers Level 04	Point	3.1	
Speakers Level 04	Point	2.1	
Speakers Level 04	Point	4.7	
Speakers Level 04	Point	1.0	
Speakers Level 04	Point	0.6	
Speakers Level 05	Point	3.0	
Speakers Level 05	Point	2.0	
Speakers Level 05	Point	4.6	
Speakers Level 05	Point	0.9	
Speakers Level 05	Point	0.4	
Speakers Level 06 (S)	Point	1.2	
Speakers Level 06 (S)	Point	2.2	
Speakers Level 06 (S)	Point	5.5	
Speakers Level 06 (S)	Point	1.7	
Speakers Level 06 (S)	Point	1.0	
Speakers Level 06 (N)	Point	38.9	
Speakers Level 06 (N)	Point	40.5	
Speakers Level 06 (N)	Point	41.0	
Speakers Level 06 (N)	Point	43.6	
Speakers Level 06 (N)	Point	42.0	
Speakers Level 06 (N)	Point	43.0	
Speakers Level 06 (N)	Point	40.8	
Speakers Level 06 (N)	Point	43.9	
Speakers Level 06 (N)	Point	44.8	
Speakers Level 06 (N)	Point	45.3	
Speakers Level 07 (N)	Point	32.8	
Speakers Level 07 (N)	Point	31.1	
Speakers Level 07 (S)	Point	3.7	
Speakers Level 07 (S)	Point	3.3	
Speakers Level 07 (S)	Point	6.4	

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## Sunset + Wilcox Contribution level - Speakers

9

Source	Source type	Leq,d dB(A)
Speakers Level 07 (S)	Point	21.1
Speakers Level 08	Point	31.7
Speakers Level 08	Point	31.8
Speakers Level 08	Point	31.2
Speakers Level 09 (N)	Point	35.8
Speakers Level 09 (N)	Point	34.2
Speakers Level 09 (S)	Point	3.4
Speakers Level 09 (S)	Point	2.6
Speakers Level 09 (S)	Point	6.1
Speakers Level 09 (S)	Point	20.6
Speakers Level 10	Point	34.1
Speakers Level 10	Point	34.0
Speakers Level 10	Point	33.8
Speakers Level 11 (N)	Point	26.8
Speakers Level 11 (N)	Point	26.2
Speakers Level 11 (S)	Point	20.9
Speakers Level 11 (S)	Point	3.3
Speakers Level 11 (S)	Point	4.7
Speakers Level 11 (S)	Point	2.3
Speakers Level 12	Point	24.2
Speakers Level 12	Point	23.7
Speakers Level 12	Point	24.6
Speakers Level 13 (N)	Point	22.1
Speakers Level 13 (N)	Point	23.1
Speakers Level 13 (N)	Point	22.7
Speakers Level 13 (N)	Point	22.6
Speakers Level 13 (N)	Point	23.3
Speakers Level 13 (S)	Point	2.1
Speakers Level 13 (S)	Point	1.0
Speakers Level 13 (S)	Point	0.7
Speakers Level 13 (S)	Point	3.2
Speakers Level 13 (S)	Point	5.5
Speakers Level 14	Point	29.7
Speakers Level 14	Point	29.6
Speakers Level 14	Point	29.4
Speakers Level 14	Point	30.0
Speakers Level 14	Point	30.5
Speakers Level 14	Point	15.4
Speakers Level 14	Point	14.7
Speakers Level 14	Point	14.1
Speakers Level 14	Point	16.8

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)	
Speakers Level 14	Point	19.0	
Speakers Level 14	Point	10.0	
Speakers Level 14	Point	9.2	
Speakers Level 14	Point	8.5	
Speakers Level 14	Point	7.9	
Speakers Level 14	Point	12.8	
Speakers Level 14	Point	11.7	
Speakers Level 14	Point	12.9	
Speakers Level 14	Point	29.9	
Speakers Level 14	Point	30.4	
Speakers Level 14	Point	20.2	
Speakers Level 14	Point	19.8	
Speakers Level 14	Point	19.5	
Speakers Level 14	Point	19.3	
Speakers Level 14	Point	20.6	
Speakers Level 14	Point	20.9	
Speakers Level 14	Point	21.2	
Speakers Level 14	Point	19.9	
Speakers Level 14	Point	19.5	
Receiver R3 FI 1.FL Leq,d 46.4 dB(A)			
Speakers Level 01	Point	20.5	
Speakers Level 01	Point	20.9	
Speakers Level 01	Point	21.2	
Speakers Level 01	Point	21.2	
Speakers Level 01	Point	22.2	
Speakers Level 01	Point	22.5	
Speakers Level 04	Point	6.8	
Speakers Level 04	Point	-2.0	
Speakers Level 04	Point	-2.4	
Speakers Level 04	Point	-1.3	
Speakers Level 04	Point	-1.6	
Speakers Level 05	Point	6.8	
Speakers Level 05	Point	-2.0	
Speakers Level 05	Point	-2.2	
Speakers Level 05	Point	-1.4	
Speakers Level 05	Point	-0.9	
Speakers Level 06 (S)	Point	-1.6	
Speakers Level 06 (S)	Point	-0.8	
Speakers Level 06 (S)	Point	-2.2	
Speakers Level 06 (S)	Point	-1.9	
Speakers Level 06 (S)	Point	-1.2	

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## Sunset + Wilcox Contribution level - Speakers

9

Source	Source type	Leq,d dB(A)
Speakers Level 06 (N)	Point	29.9
Speakers Level 06 (N)	Point	33.4
Speakers Level 06 (N)	Point	33.4
Speakers Level 06 (N)	Point	34.6
Speakers Level 06 (N)	Point	32.5
Speakers Level 06 (N)	Point	34.3
Speakers Level 06 (N)	Point	31.2
Speakers Level 06 (N)	Point	32.3
Speakers Level 06 (N)	Point	34.3
Speakers Level 06 (N)	Point	37.3
Speakers Level 07 (N)	Point	21.8
Speakers Level 07 (N)	Point	22.5
Speakers Level 07 (S)	Point	-1.9
Speakers Level 07 (S)	Point	-1.7
Speakers Level 07 (S)	Point	-2.2
Speakers Level 07 (S)	Point	-1.7
Speakers Level 08	Point	31.9
Speakers Level 08	Point	32.2
Speakers Level 08	Point	31.3
Speakers Level 09 (N)	Point	30.8
Speakers Level 09 (N)	Point	31.7
Speakers Level 09 (S)	Point	-2.2
Speakers Level 09 (S)	Point	-1.9
Speakers Level 09 (S)	Point	-2.4
Speakers Level 09 (S)	Point	-1.8
Speakers Level 10	Point	32.7
Speakers Level 10	Point	32.9
Speakers Level 10	Point	32.6
Speakers Level 11 (N)	Point	23.3
Speakers Level 11 (N)	Point	21.3
Speakers Level 11 (S)	Point	-1.7
Speakers Level 11 (S)	Point	-2.3
Speakers Level 11 (S)	Point	-2.4
Speakers Level 11 (S)	Point	-2.2
Speakers Level 12	Point	22.0
Speakers Level 12	Point	22.6
Speakers Level 12	Point	21.6
Speakers Level 13 (N)	Point	18.8
Speakers Level 13 (N)	Point	19.2
Speakers Level 13 (N)	Point	19.7
Speakers Level 13 (N)	Point	19.9

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)	
Speakers Level 13 (N)	Point	19.5	
Speakers Level 13 (S)	Point	-2.5	
Speakers Level 13 (S)	Point	-2.9	
Speakers Level 13 (S)	Point	-1.8	
Speakers Level 13 (S)	Point	-3.0	
Speakers Level 13 (S)	Point	-3.3	
Speakers Level 14	Point	29.1	
Speakers Level 14	Point	29.5	
Speakers Level 14	Point	29.8	
Speakers Level 14	Point	29.1	
Speakers Level 14	Point	28.9	
Speakers Level 14	Point	11.7	
Speakers Level 14	Point	12.3	
Speakers Level 14	Point	12.8	
Speakers Level 14	Point	11.3	
Speakers Level 14	Point	10.8	
Speakers Level 14	Point	11.3	
Speakers Level 14	Point	12.7	
Speakers Level 14	Point	12.3	
Speakers Level 14	Point	11.9	
Speakers Level 14	Point	12.6	
Speakers Level 14	Point	13.0	
Speakers Level 14	Point	13.4	
Speakers Level 14	Point	13.9	
Speakers Level 14	Point	25.0	
Speakers Level 14	Point	8.7	
Speakers Level 14	Point	8.1	
Speakers Level 14	Point	7.6	
Speakers Level 14	Point	7.5	
Speakers Level 14	Point	9.3	
Speakers Level 14	Point	10.0	
Speakers Level 14	Point	11.2	
Speakers Level 14	Point	12.4	
Speakers Level 14	Point	16.3	
Receiver R4 FI 1.FL Leq,d 41.8 dB(A)			
Speakers Level 01	Point	2.5	
Speakers Level 01	Point	2.5	
Speakers Level 01	Point	3.0	
Speakers Level 01	Point	3.1	
Speakers Level 01	Point	5.3	
Speakers Level 01	Point	5.4	

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)
Speakers Level 04	Point	29.2
Speakers Level 04	Point	17.6
Speakers Level 04	Point	16.8
Speakers Level 04	Point	18.3
Speakers Level 04	Point	20.4
Speakers Level 05	Point	29.0
Speakers Level 05	Point	16.0
Speakers Level 05	Point	17.2
Speakers Level 05	Point	18.2
Speakers Level 05	Point	20.3
Speakers Level 06 (S)	Point	16.0
Speakers Level 06 (S)	Point	28.0
Speakers Level 06 (S)	Point	15.8
Speakers Level 06 (S)	Point	15.6
Speakers Level 06 (S)	Point	16.6
Speakers Level 06 (N)	Point	10.1
Speakers Level 06 (N)	Point	11.1
Speakers Level 06 (N)	Point	9.7
Speakers Level 06 (N)	Point	22.6
Speakers Level 06 (N)	Point	31.0
Speakers Level 06 (N)	Point	21.0
Speakers Level 06 (N)	Point	25.8
Speakers Level 06 (N)	Point	25.0
Speakers Level 06 (N)	Point	21.3
Speakers Level 06 (N)	Point	20.8
Speakers Level 07 (N)	Point	10.0
Speakers Level 07 (N)	Point	10.5
Speakers Level 07 (S)	Point	24.3
Speakers Level 07 (S)	Point	7.6
Speakers Level 07 (S)	Point	21.2
Speakers Level 07 (S)	Point	5.4
Speakers Level 08	Point	1.8
Speakers Level 08	Point	1.4
Speakers Level 08	Point	3.8
Speakers Level 09 (N)	Point	0.6
Speakers Level 09 (N)	Point	1.1
Speakers Level 09 (S)	Point	8.0
Speakers Level 09 (S)	Point	7.3
Speakers Level 09 (S)	Point	6.0
Speakers Level 09 (S)	Point	6.0
Speakers Level 10	Point	2.2

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)
Speakers Level 10	Point	9.1
Speakers Level 10	Point	3.4
Speakers Level 11 (N)	Point	0.8
Speakers Level 11 (N)	Point	0.8
Speakers Level 11 (S)	Point	5.3
Speakers Level 11 (S)	Point	13.5
Speakers Level 11 (S)	Point	13.7
Speakers Level 11 (S)	Point	6.9
Speakers Level 12	Point	0.4
Speakers Level 12	Point	2.0
Speakers Level 12	Point	2.0
Speakers Level 13 (N)	Point	14.8
Speakers Level 13 (N)	Point	15.7
Speakers Level 13 (N)	Point	17.1
Speakers Level 13 (N)	Point	14.3
Speakers Level 13 (N)	Point	13.8
Speakers Level 13 (S)	Point	15.4
Speakers Level 13 (S)	Point	16.0
Speakers Level 13 (S)	Point	21.0
Speakers Level 13 (S)	Point	14.2
Speakers Level 13 (S)	Point	13.1
Speakers Level 14	Point	11.7
Speakers Level 14	Point	13.4
Speakers Level 14	Point	13.7
Speakers Level 14	Point	10.8
Speakers Level 14	Point	10.2
Speakers Level 14	Point	17.1
Speakers Level 14	Point	16.1
Speakers Level 14	Point	16.8
Speakers Level 14	Point	15.9
Speakers Level 14	Point	13.0
Speakers Level 14	Point	29.9
Speakers Level 14	Point	30.4
Speakers Level 14	Point	30.9
Speakers Level 14	Point	31.4
Speakers Level 14	Point	29.8
Speakers Level 14	Point	28.2
Speakers Level 14	Point	27.9
Speakers Level 14	Point	27.7
Speakers Level 14	Point	27.5
Speakers Level 14	Point	15.3

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)
Speakers Level 14	Point	16.0
Speakers Level 14	Point	18.2
Speakers Level 14	Point	18.5
Speakers Level 14	Point	14.4
Speakers Level 14	Point	13.7
Speakers Level 14	Point	13.0
Speakers Level 14	Point	12.3
Speakers Level 14	Point	12.8
Receiver R4 FI 2.FL Leq,d 48.7 dB(A)		
Speakers Level 01	Point	0.4
Speakers Level 01	Point	0.6
Speakers Level 01	Point	1.4
Speakers Level 01	Point	1.6
Speakers Level 01	Point	3.7
Speakers Level 01	Point	3.9
Speakers Level 04	Point	34.4
Speakers Level 04	Point	22.0
Speakers Level 04	Point	21.4
Speakers Level 04	Point	23.2
Speakers Level 04	Point	25.7
Speakers Level 05	Point	34.5
Speakers Level 05	Point	22.0
Speakers Level 05	Point	27.1
Speakers Level 05	Point	23.2
Speakers Level 05	Point	25.7
Speakers Level 06 (S)	Point	18.0
Speakers Level 06 (S)	Point	33.4
Speakers Level 06 (S)	Point	17.5
Speakers Level 06 (S)	Point	17.6
Speakers Level 06 (S)	Point	18.6
Speakers Level 06 (N)	Point	14.0
Speakers Level 06 (N)	Point	19.9
Speakers Level 06 (N)	Point	11.7
Speakers Level 06 (N)	Point	27.5
Speakers Level 06 (N)	Point	44.3
Speakers Level 06 (N)	Point	21.3
Speakers Level 06 (N)	Point	36.4
Speakers Level 06 (N)	Point	36.4
Speakers Level 06 (N)	Point	21.3
Speakers Level 06 (N)	Point	20.6
Speakers Level 07 (N)	Point	9.1

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## Sunset + Wilcox Contribution level - Speakers

9

Source	Source type	Leq,d dB(A)
Speakers Level 07 (N)	Point	9.6
Speakers Level 07 (S)	Point	31.5
Speakers Level 07 (S)	Point	27.9
Speakers Level 07 (S)	Point	30.9
Speakers Level 07 (S)	Point	10.9
Speakers Level 08	Point	6.6
Speakers Level 08	Point	3.6
Speakers Level 08	Point	10.9
Speakers Level 09 (N)	Point	2.1
Speakers Level 09 (N)	Point	2.3
Speakers Level 09 (S)	Point	9.1
Speakers Level 09 (S)	Point	20.2
Speakers Level 09 (S)	Point	10.1
Speakers Level 09 (S)	Point	8.6
Speakers Level 10	Point	2.9
Speakers Level 10	Point	11.0
Speakers Level 10	Point	4.9
Speakers Level 11 (N)	Point	0.6
Speakers Level 11 (N)	Point	0.8
Speakers Level 11 (S)	Point	6.4
Speakers Level 11 (S)	Point	15.8
Speakers Level 11 (S)	Point	15.9
Speakers Level 11 (S)	Point	8.4
Speakers Level 12	Point	3.2
Speakers Level 12	Point	9.3
Speakers Level 12	Point	1.7
Speakers Level 13 (N)	Point	15.2
Speakers Level 13 (N)	Point	16.5
Speakers Level 13 (N)	Point	18.2
Speakers Level 13 (N)	Point	14.3
Speakers Level 13 (N)	Point	13.7
Speakers Level 13 (S)	Point	19.2
Speakers Level 13 (S)	Point	20.4
Speakers Level 13 (S)	Point	25.8
Speakers Level 13 (S)	Point	17.6
Speakers Level 13 (S)	Point	18.1
Speakers Level 14	Point	12.6
Speakers Level 14	Point	13.7
Speakers Level 14	Point	15.1
Speakers Level 14	Point	11.7
Speakers Level 14	Point	10.8

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)
Speakers Level 14	Point	19.7
Speakers Level 14	Point	20.3
Speakers Level 14	Point	20.2
Speakers Level 14	Point	19.3
Speakers Level 14	Point	17.2
Speakers Level 14	Point	34.3
Speakers Level 14	Point	35.0
Speakers Level 14	Point	35.7
Speakers Level 14	Point	36.3
Speakers Level 14	Point	33.9
Speakers Level 14	Point	32.2
Speakers Level 14	Point	31.7
Speakers Level 14	Point	31.2
Speakers Level 14	Point	30.8
Speakers Level 14	Point	15.9
Speakers Level 14	Point	16.8
Speakers Level 14	Point	19.1
Speakers Level 14	Point	19.7
Speakers Level 14	Point	15.0
Speakers Level 14	Point	14.2
Speakers Level 14	Point	13.5
Speakers Level 14	Point	12.8
Speakers Level 14	Point	13.2
Receiver R5 FI 1.FL Leq,d 50.5 dB(A)		
Speakers Level 01	Point	37.2
Speakers Level 01	Point	2.5
Speakers Level 01	Point	1.7
Speakers Level 01	Point	1.2
Speakers Level 01	Point	1.1
Speakers Level 01	Point	0.2
Speakers Level 04	Point	20.6
Speakers Level 04	Point	30.1
Speakers Level 04	Point	31.2
Speakers Level 04	Point	28.5
Speakers Level 04	Point	29.6
Speakers Level 05	Point	20.4
Speakers Level 05	Point	29.8
Speakers Level 05	Point	30.8
Speakers Level 05	Point	28.0
Speakers Level 05	Point	27.4
Speakers Level 06 (S)	Point	27.5

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)
Speakers Level 06 (S)	Point	31.9
Speakers Level 06 (S)	Point	29.5
Speakers Level 06 (S)	Point	28.4
Speakers Level 06 (S)	Point	26.7
Speakers Level 06 (N)	Point	11.0
Speakers Level 06 (N)	Point	10.9
Speakers Level 06 (N)	Point	12.9
Speakers Level 06 (N)	Point	26.0
Speakers Level 06 (N)	Point	24.6
Speakers Level 06 (N)	Point	29.2
Speakers Level 06 (N)	Point	17.4
Speakers Level 06 (N)	Point	16.9
Speakers Level 06 (N)	Point	32.3
Speakers Level 06 (N)	Point	31.9
Speakers Level 07 (N)	Point	18.8
Speakers Level 07 (N)	Point	16.5
Speakers Level 07 (S)	Point	43.4
Speakers Level 07 (S)	Point	42.3
Speakers Level 07 (S)	Point	44.5
Speakers Level 07 (S)	Point	31.1
Speakers Level 08	Point	1.9
Speakers Level 08	Point	2.2
Speakers Level 08	Point	1.0
Speakers Level 09 (N)	Point	6.2
Speakers Level 09 (N)	Point	3.0
Speakers Level 09 (S)	Point	35.6
Speakers Level 09 (S)	Point	34.8
Speakers Level 09 (S)	Point	36.4
Speakers Level 09 (S)	Point	25.6
Speakers Level 10	Point	2.0
Speakers Level 10	Point	1.5
Speakers Level 10	Point	1.7
Speakers Level 11 (N)	Point	6.3
Speakers Level 11 (N)	Point	3.2
Speakers Level 11 (S)	Point	22.8
Speakers Level 11 (S)	Point	29.5
Speakers Level 11 (S)	Point	30.1
Speakers Level 11 (S)	Point	29.0
Speakers Level 12	Point	0.3
Speakers Level 12	Point	0.2
Speakers Level 12	Point	1.6

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## Sunset + Wilcox Contribution level - Speakers

9

Source	Source type	Leq,d dB(A)	
Speakers Level 13 (N)	Point	14.8	
Speakers Level 13 (N)	Point	14.3	
Speakers Level 13 (N)	Point	13.8	
Speakers Level 13 (N)	Point	15.4	
Speakers Level 13 (N)	Point	20.3	
Speakers Level 13 (S)	Point	26.4	
Speakers Level 13 (S)	Point	25.9	
Speakers Level 13 (S)	Point	25.4	
Speakers Level 13 (S)	Point	26.9	
Speakers Level 13 (S)	Point	27.5	
Speakers Level 14	Point	15.3	
Speakers Level 14	Point	14.7	
Speakers Level 14	Point	14.2	
Speakers Level 14	Point	16.7	
Speakers Level 14	Point	18.8	
Speakers Level 14	Point	27.2	
Speakers Level 14	Point	27.0	
Speakers Level 14	Point	26.7	
Speakers Level 14	Point	27.8	
Speakers Level 14	Point	28.3	
Speakers Level 14	Point	10.9	
Speakers Level 14	Point	11.8	
Speakers Level 14	Point	12.6	
Speakers Level 14	Point	15.8	
Speakers Level 14	Point	10.3	
Speakers Level 14	Point	9.6	
Speakers Level 14	Point	9.0	
Speakers Level 14	Point	8.4	
Speakers Level 14	Point	8.0	
Speakers Level 14	Point	18.5	
Speakers Level 14	Point	18.8	
Speakers Level 14	Point	19.1	
Speakers Level 14	Point	18.0	
Speakers Level 14	Point	18.6	
Speakers Level 14	Point	18.5	
Speakers Level 14	Point	18.3	
Speakers Level 14	Point	18.3	
Speakers Level 14	Point	18.2	
Receiver R5 FI 2.FL Leq,d 51.8 dB(A)			
Speakers Level 01	Point	35.9	
Speakers Level 01	Point	2.3	

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)
Speakers Level 01	Point	1.5
Speakers Level 01	Point	1.0
Speakers Level 01	Point	0.8
Speakers Level 01	Point	-0.1
Speakers Level 04	Point	21.3
Speakers Level 04	Point	30.6
Speakers Level 04	Point	31.8
Speakers Level 04	Point	29.0
Speakers Level 04	Point	28.1
Speakers Level 05	Point	21.2
Speakers Level 05	Point	30.4
Speakers Level 05	Point	31.5
Speakers Level 05	Point	28.8
Speakers Level 05	Point	28.0
Speakers Level 06 (S)	Point	27.7
Speakers Level 06 (S)	Point	35.7
Speakers Level 06 (S)	Point	30.3
Speakers Level 06 (S)	Point	28.4
Speakers Level 06 (S)	Point	27.0
Speakers Level 06 (N)	Point	10.9
Speakers Level 06 (N)	Point	11.1
Speakers Level 06 (N)	Point	12.9
Speakers Level 06 (N)	Point	25.5
Speakers Level 06 (N)	Point	24.2
Speakers Level 06 (N)	Point	29.6
Speakers Level 06 (N)	Point	17.1
Speakers Level 06 (N)	Point	16.4
Speakers Level 06 (N)	Point	33.9
Speakers Level 06 (N)	Point	33.4
Speakers Level 07 (N)	Point	17.3
Speakers Level 07 (N)	Point	15.1
Speakers Level 07 (S)	Point	44.5
Speakers Level 07 (S)	Point	43.3
Speakers Level 07 (S)	Point	45.6
Speakers Level 07 (S)	Point	36.4
Speakers Level 08	Point	2.1
Speakers Level 08	Point	2.4
Speakers Level 08	Point	1.1
Speakers Level 09 (N)	Point	7.3
Speakers Level 09 (N)	Point	4.1
Speakers Level 09 (S)	Point	38.4

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## Sunset + Wilcox Contribution level - Speakers

9

Source	Source type	Leq,d dB(A)
Speakers Level 09 (S)	Point	37.5
Speakers Level 09 (S)	Point	39.4
Speakers Level 09 (S)	Point	28.5
Speakers Level 10	Point	2.4
Speakers Level 10	Point	1.8
Speakers Level 10	Point	2.0
Speakers Level 11 (N)	Point	5.5
Speakers Level 11 (N)	Point	2.5
Speakers Level 11 (S)	Point	25.3
Speakers Level 11 (S)	Point	32.3
Speakers Level 11 (S)	Point	32.9
Speakers Level 11 (S)	Point	31.7
Speakers Level 12	Point	-0.3
Speakers Level 12	Point	-0.4
Speakers Level 12	Point	0.9
Speakers Level 13 (N)	Point	13.7
Speakers Level 13 (N)	Point	13.2
Speakers Level 13 (N)	Point	12.6
Speakers Level 13 (N)	Point	14.3
Speakers Level 13 (N)	Point	19.2
Speakers Level 13 (S)	Point	28.8
Speakers Level 13 (S)	Point	28.3
Speakers Level 13 (S)	Point	27.9
Speakers Level 13 (S)	Point	29.3
Speakers Level 13 (S)	Point	30.0
Speakers Level 14	Point	15.4
Speakers Level 14	Point	14.5
Speakers Level 14	Point	13.9
Speakers Level 14	Point	16.6
Speakers Level 14	Point	18.6
Speakers Level 14	Point	29.4
Speakers Level 14	Point	29.3
Speakers Level 14	Point	29.0
Speakers Level 14	Point	30.0
Speakers Level 14	Point	30.6
Speakers Level 14	Point	11.4
Speakers Level 14	Point	12.4
Speakers Level 14	Point	13.9
Speakers Level 14	Point	17.2
Speakers Level 14	Point	10.6
Speakers Level 14	Point	9.8

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## Sunset + Wilcox Contribution level - Speakers

**9**

Source	Source type	Leq,d dB(A)	
Speakers Level 14	Point	9.1	
Speakers Level 14	Point	8.4	
Speakers Level 14	Point	8.1	
Speakers Level 14	Point	20.3	
Speakers Level 14	Point	20.6	
Speakers Level 14	Point	20.9	
Speakers Level 14	Point	20.1	
Speakers Level 14	Point	20.0	
Speakers Level 14	Point	19.7	
Speakers Level 14	Point	19.4	
Speakers Level 14	Point	19.3	
Speakers Level 14	Point	19.1	
Receiver R6 FI 1.FL Leq,d 42.2 dB(A)			
Speakers Level 01	Point	2.5	
Speakers Level 01	Point	2.7	
Speakers Level 01	Point	3.2	
Speakers Level 01	Point	11.4	
Speakers Level 01	Point	13.3	
Speakers Level 01	Point	13.4	
Speakers Level 04	Point	30.3	
Speakers Level 04	Point	26.3	
Speakers Level 04	Point	24.1	
Speakers Level 04	Point	31.2	
Speakers Level 04	Point	29.4	
Speakers Level 05	Point	28.2	
Speakers Level 05	Point	24.4	
Speakers Level 05	Point	22.6	
Speakers Level 05	Point	28.5	
Speakers Level 05	Point	27.0	
Speakers Level 06 (S)	Point	29.3	
Speakers Level 06 (S)	Point	25.4	
Speakers Level 06 (S)	Point	25.5	
Speakers Level 06 (S)	Point	27.2	
Speakers Level 06 (S)	Point	30.6	
Speakers Level 06 (N)	Point	11.5	
Speakers Level 06 (N)	Point	12.0	
Speakers Level 06 (N)	Point	11.9	
Speakers Level 06 (N)	Point	29.5	
Speakers Level 06 (N)	Point	29.7	
Speakers Level 06 (N)	Point	28.9	
Speakers Level 06 (N)	Point	18.0	

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**Sunset + Wilcox  
Contribution level - Speakers**

**9**

Source	Source type	Leq,d dB(A)
Speakers Level 06 (N)	Point	17.5
Speakers Level 06 (N)	Point	18.7
Speakers Level 06 (N)	Point	18.1
Speakers Level 07 (N)	Point	19.9
Speakers Level 07 (N)	Point	20.4
Speakers Level 07 (S)	Point	24.3
Speakers Level 07 (S)	Point	25.9
Speakers Level 07 (S)	Point	23.0
Speakers Level 07 (S)	Point	9.9
Speakers Level 08	Point	2.2
Speakers Level 08	Point	2.0
Speakers Level 08	Point	2.5
Speakers Level 09 (N)	Point	2.8
Speakers Level 09 (N)	Point	2.5
Speakers Level 09 (S)	Point	22.9
Speakers Level 09 (S)	Point	24.1
Speakers Level 09 (S)	Point	21.7
Speakers Level 09 (S)	Point	9.1
Speakers Level 10	Point	1.9
Speakers Level 10	Point	2.3
Speakers Level 10	Point	2.0
Speakers Level 11 (N)	Point	2.5
Speakers Level 11 (N)	Point	2.5
Speakers Level 11 (S)	Point	8.5
Speakers Level 11 (S)	Point	19.8
Speakers Level 11 (S)	Point	18.7
Speakers Level 11 (S)	Point	20.8
Speakers Level 12	Point	2.6
Speakers Level 12	Point	2.8
Speakers Level 12	Point	2.5
Speakers Level 13 (N)	Point	18.3
Speakers Level 13 (N)	Point	18.5
Speakers Level 13 (N)	Point	18.4
Speakers Level 13 (N)	Point	17.9
Speakers Level 13 (N)	Point	17.4
Speakers Level 13 (S)	Point	22.2
Speakers Level 13 (S)	Point	22.6
Speakers Level 13 (S)	Point	22.4
Speakers Level 13 (S)	Point	21.3
Speakers Level 13 (S)	Point	20.0
Speakers Level 14	Point	17.7

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## Sunset + Wilcox Contribution level - Speakers

9

Source	Source type	Leq,d dB(A)
Speakers Level 14	Point	17.9
Speakers Level 14	Point	17.9
Speakers Level 14	Point	17.2
Speakers Level 14	Point	16.9
Speakers Level 14	Point	21.3
Speakers Level 14	Point	20.0
Speakers Level 14	Point	19.9
Speakers Level 14	Point	20.7
Speakers Level 14	Point	18.5
Speakers Level 14	Point	11.0
Speakers Level 14	Point	11.7
Speakers Level 14	Point	13.5
Speakers Level 14	Point	15.4
Speakers Level 14	Point	10.3
Speakers Level 14	Point	9.7
Speakers Level 14	Point	9.1
Speakers Level 14	Point	8.5
Speakers Level 14	Point	8.1
Speakers Level 14	Point	12.1
Speakers Level 14	Point	13.5
Speakers Level 14	Point	14.6
Speakers Level 14	Point	15.7
Speakers Level 14	Point	11.2
Speakers Level 14	Point	10.3
Speakers Level 14	Point	9.6
Speakers Level 14	Point	9.0
Speakers Level 14	Point	8.4

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**Sunset + Wilcox**  
**Input data parking lots - Parking**

Parking lot	PLT	# of Parking Spaces	
LADWP Parking	Visitors and staff	5	

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## Sunset + Wilcox Contribution level - Parking

**9**

Source	Source type	Leq,d dB(A)
LADWP Parking	PLot	2.6
LADWP Parking	PLot	2.7
LADWP Parking	PLot	-2.3
LADWP Parking	PLot	-1.3
LADWP Parking	PLot	-5.0
LADWP Parking	PLot	26.3
LADWP Parking	PLot	25.8
LADWP Parking	PLot	14.1
LADWP Parking	PLot	15.9
LADWP Parking	PLot	19.4

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## Sunset + Wilcox Source Levels in dB(A) - People

**3**

Name	Source type	Lw dB(A)	
People Level 01	Area	90.4	
People Level 04	Area	91.9	
People Level 5	Area	88.6	
People Level 6 (E)	Area	90.0	
People Level 6 (N)	Area	96.4	
People Level 6 (S)	Area	92.2	
People Level 6 (W)	Area	90.0	
People Level 07 (N)	Area	85.2	
People Level 07 (S)	Area	85.5	
People Level 08	Area	86.8	
People Level 09 (N)	Area	85.0	
People Level 09 (S)	Area	87.3	
People Level 10	Area	86.8	
People Level 11 (N)	Area	85.2	
People Level 11 (S)	Area	88.5	
People Level 12	Area	86.8	
People Level 13 (N)	Area	86.4	
People Level 13 (S)	Area	89.7	
People Level 14 (E)	Area	89.5	
People Level 14 (N)	Area	87.6	
People Level 14 (S)	Area	87.6	
People Level 14 (W)	Area	89.5	

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## Sunset + Wilcox Contribution level - People

**9**

Source	Source type	Leq,d dB(A)	
Receiver R1 FI 1.FL Leq,d 42.8 dB(A)			
People Level 01	Area	19.0	
People Level 04	Area	28.9	
People Level 5	Area	21.7	
People Level 6 (S)	Area	28.1	
People Level 6 (N)	Area	29.7	
People Level 6 (E)	Area	16.9	
People Level 6 (W)	Area	40.1	
People Level 07 (S)	Area	27.5	
People Level 07 (N)	Area	25.0	
People Level 08	Area	14.6	
People Level 09 (S)	Area	25.0	
People Level 09 (N)	Area	29.2	
People Level 10	Area	13.6	
People Level 11 (S)	Area	23.7	
People Level 11 (N)	Area	32.6	
People Level 12	Area	13.2	
People Level 13 (N)	Area	15.9	
People Level 13 (S)	Area	26.6	
People Level 14 (N)	Area	17.0	
People Level 14 (E)	Area	14.0	
People Level 14 (S)	Area	17.2	
People Level 14 (W)	Area	31.8	
Receiver R1 FI 2.FL Leq,d 43.3 dB(A)			
People Level 01	Area	18.3	
People Level 04	Area	29.3	
People Level 5	Area	22.4	
People Level 6 (S)	Area	28.7	
People Level 6 (N)	Area	29.8	
People Level 6 (E)	Area	16.2	
People Level 6 (W)	Area	41.0	
People Level 07 (S)	Area	28.5	
People Level 07 (N)	Area	23.7	
People Level 08	Area	14.4	
People Level 09 (S)	Area	25.9	
People Level 09 (N)	Area	28.2	
People Level 10	Area	13.5	
People Level 11 (S)	Area	24.6	
People Level 11 (N)	Area	31.7	
People Level 12	Area	12.3	

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## Sunset + Wilcox Contribution level - People

**9**

Source	Source type	Leq,d dB(A)	
People Level 13 (N)	Area	15.0	
People Level 13 (S)	Area	26.0	
People Level 14 (N)	Area	17.7	
People Level 14 (E)	Area	13.6	
People Level 14 (S)	Area	17.5	
People Level 14 (W)	Area	32.6	
Receiver R2 FI 1.FL Leq,d 50.6 dB(A)			
People Level 01	Area	49.2	
People Level 04	Area	17.1	
People Level 5	Area	15.1	
People Level 6 (S)	Area	20.8	
People Level 6 (N)	Area	37.4	
People Level 6 (E)	Area	31.8	
People Level 6 (W)	Area	33.6	
People Level 07 (S)	Area	16.4	
People Level 07 (N)	Area	37.3	
People Level 08	Area	27.0	
People Level 09 (S)	Area	15.5	
People Level 09 (N)	Area	37.4	
People Level 10	Area	27.0	
People Level 11 (S)	Area	15.4	
People Level 11 (N)	Area	34.7	
People Level 12	Area	34.8	
People Level 13 (N)	Area	34.4	
People Level 13 (S)	Area	14.8	
People Level 14 (N)	Area	29.1	
People Level 14 (E)	Area	21.7	
People Level 14 (S)	Area	12.4	
People Level 14 (W)	Area	25.8	
Receiver R2 FI 2.FL Leq,d 51.1 dB(A)			
People Level 01	Area	49.4	
People Level 04	Area	17.3	
People Level 5	Area	14.9	
People Level 6 (S)	Area	21.7	
People Level 6 (N)	Area	39.8	
People Level 6 (E)	Area	32.8	
People Level 6 (W)	Area	36.1	
People Level 07 (S)	Area	18.0	
People Level 07 (N)	Area	38.2	
People Level 08	Area	29.7	

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**Sunset + Wilcox  
Contribution level - People**

**9**

Source	Source type	Leq,d dB(A)	
People Level 09 (S)	Area	16.9	
People Level 09 (N)	Area	37.8	
People Level 10	Area	33.1	
People Level 11 (S)	Area	16.5	
People Level 11 (N)	Area	34.0	
People Level 12	Area	35.5	
People Level 13 (N)	Area	35.3	
People Level 13 (S)	Area	13.8	
People Level 14 (N)	Area	30.2	
People Level 14 (E)	Area	23.1	
People Level 14 (S)	Area	12.2	
People Level 14 (W)	Area	26.4	
<b>Receiver R3 FI 1.FL Leq,d 40.4 dB(A)</b>			
People Level 01	Area	25.1	
People Level 04	Area	10.8	
People Level 5	Area	7.7	
People Level 6 (S)	Area	11.9	
People Level 6 (N)	Area	32.0	
People Level 6 (E)	Area	26.2	
People Level 6 (W)	Area	19.6	
People Level 07 (S)	Area	3.8	
People Level 07 (N)	Area	31.0	
People Level 08	Area	28.4	
People Level 09 (S)	Area	5.6	
People Level 09 (N)	Area	31.4	
People Level 10	Area	29.1	
People Level 11 (S)	Area	6.7	
People Level 11 (N)	Area	28.8	
People Level 12	Area	31.4	
People Level 13 (N)	Area	31.1	
People Level 13 (S)	Area	8.7	
People Level 14 (N)	Area	28.3	
People Level 14 (E)	Area	18.6	
People Level 14 (S)	Area	8.0	
People Level 14 (W)	Area	12.4	
<b>Receiver R4 FI 1.FL Leq,d 40.8 dB(A)</b>			
People Level 01	Area	14.2	
People Level 04	Area	37.6	
People Level 5	Area	22.8	
People Level 6 (S)	Area	30.6	

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**Sunset + Wilcox  
Contribution level - People**

**9**

Source	Source type	Leq,d dB(A)	
People Level 6 (N)	Area	21.9	
People Level 6 (E)	Area	32.5	
People Level 6 (W)	Area	12.1	
People Level 07 (S)	Area	19.6	
People Level 07 (N)	Area	6.6	
People Level 08	Area	15.1	
People Level 09 (S)	Area	20.8	
People Level 09 (N)	Area	6.8	
People Level 10	Area	17.9	
People Level 11 (S)	Area	17.9	
People Level 11 (N)	Area	7.1	
People Level 12	Area	23.3	
People Level 13 (N)	Area	9.6	
People Level 13 (S)	Area	28.2	
People Level 14 (N)	Area	15.7	
People Level 14 (E)	Area	32.1	
People Level 14 (S)	Area	21.0	
People Level 14 (W)	Area	11.6	
<b>Receiver R4 FI 2.FL Leq,d 42.3 dB(A)</b>			
People Level 01	Area	15.6	
People Level 04	Area	35.6	
People Level 5	Area	30.5	
People Level 6 (S)	Area	36.2	
People Level 6 (N)	Area	33.0	
People Level 6 (E)	Area	28.1	
People Level 6 (W)	Area	13.2	
People Level 07 (S)	Area	29.1	
People Level 07 (N)	Area	5.8	
People Level 08	Area	18.5	
People Level 09 (S)	Area	25.2	
People Level 09 (N)	Area	5.7	
People Level 10	Area	18.1	
People Level 11 (S)	Area	21.2	
People Level 11 (N)	Area	6.1	
People Level 12	Area	23.5	
People Level 13 (N)	Area	11.3	
People Level 13 (S)	Area	29.9	
People Level 14 (N)	Area	17.1	
People Level 14 (E)	Area	34.2	
People Level 14 (S)	Area	23.5	
People Level 14 (W)	Area	11.4	

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## Sunset + Wilcox Contribution level - People

**9**

Source	Source type	Leq,d dB(A)	
Receiver R5 FI 1.FL Leq,d 43.6 dB(A)			
People Level 01	Area	26.9	
People Level 04	Area	39.2	
People Level 5	Area	28.6	
People Level 6 (S)	Area	36.3	
People Level 6 (N)	Area	25.0	
People Level 6 (E)	Area	15.3	
People Level 6 (W)	Area	32.4	
People Level 07 (S)	Area	32.6	
People Level 07 (N)	Area	12.6	
People Level 08	Area	8.5	
People Level 09 (S)	Area	30.5	
People Level 09 (N)	Area	11.9	
People Level 10	Area	8.9	
People Level 11 (S)	Area	28.5	
People Level 11 (N)	Area	20.0	
People Level 12	Area	8.3	
People Level 13 (N)	Area	10.1	
People Level 13 (S)	Area	33.0	
People Level 14 (N)	Area	12.0	
People Level 14 (E)	Area	14.3	
People Level 14 (S)	Area	28.6	
People Level 14 (W)	Area	25.4	
Receiver R5 FI 2.FL Leq,d 44.0 dB(A)			
People Level 01	Area	25.5	
People Level 04	Area	37.1	
People Level 5	Area	30.9	
People Level 6 (S)	Area	38.3	
People Level 6 (N)	Area	25.6	
People Level 6 (E)	Area	14.3	
People Level 6 (W)	Area	34.8	
People Level 07 (S)	Area	33.4	
People Level 07 (N)	Area	12.1	
People Level 08	Area	7.8	
People Level 09 (S)	Area	32.4	
People Level 09 (N)	Area	11.1	
People Level 10	Area	8.3	
People Level 11 (S)	Area	30.4	
People Level 11 (N)	Area	19.6	
People Level 12	Area	7.1	

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## Sunset + Wilcox Contribution level - People

**9**

Source	Source type	Leq,d dB(A)
People Level 13 (N)	Area	8.9
People Level 13 (S)	Area	31.8
People Level 14 (N)	Area	11.7
People Level 14 (E)	Area	14.3
People Level 14 (S)	Area	29.7
People Level 14 (W)	Area	25.9
Receiver R6 FI 1.FL Leq,d 51.1 dB(A)		
People Level 01	Area	14.9
People Level 04	Area	50.7
People Level 5	Area	32.5
People Level 6 (S)	Area	36.2
People Level 6 (N)	Area	20.6
People Level 6 (E)	Area	20.6
People Level 6 (W)	Area	19.7
People Level 07 (S)	Area	27.2
People Level 07 (N)	Area	10.2
People Level 08	Area	11.7
People Level 09 (S)	Area	27.6
People Level 09 (N)	Area	10.1
People Level 10	Area	11.8
People Level 11 (S)	Area	26.0
People Level 11 (N)	Area	10.5
People Level 12	Area	12.0
People Level 13 (N)	Area	11.9
People Level 13 (S)	Area	31.2
People Level 14 (N)	Area	12.3
People Level 14 (E)	Area	17.5
People Level 14 (S)	Area	22.4
People Level 14 (W)	Area	16.7

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**Sunset + Wilcox  
Source Levels in dB(A) - Mechanical**

**3**

Name	Source type	Lw dB(A)	
LADWP Transformer	Point	87.0	
Mechanical 1	Point	100.0	
Mechanical 2	Point	100.0	
Mechanical 3	Point	100.0	
Mechanical 4	Point	100.0	
Mechanical 5	Point	100.0	
Mechanical 6	Point	100.0	
Mechanical 7	Point	100.0	
Mechanical 8	Point	100.0	
Mechanical 9	Point	100.0	
Mechanical 10	Point	100.0	

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## Sunset + Wilcox Contribution level - Mechanical

**9**

Source	Source type	Leq,d dB(A)	
Receiver R1 FI 1.FL Leq,d 42.4 dB(A)			
Mechanical 1	Point	29.2	
Mechanical 2	Point	28.2	
Mechanical 3	Point	33.3	
Mechanical 4	Point	36.1	
Mechanical 5	Point	36.4	
Mechanical 6	Point	35.6	
Mechanical 7	Point	29.7	
Mechanical 8	Point	25.5	
Mechanical 9	Point	25.5	
Mechanical 10	Point	23.2	
LADWP Transformer	Point	14.9	
Receiver R1 FI 2.FL Leq,d 43.2 dB(A)			
Mechanical 1	Point	29.9	
Mechanical 2	Point	28.4	
Mechanical 3	Point	34.3	
Mechanical 4	Point	37.0	
Mechanical 5	Point	37.2	
Mechanical 6	Point	36.4	
Mechanical 7	Point	30.3	
Mechanical 8	Point	25.5	
Mechanical 9	Point	25.6	
Mechanical 10	Point	23.8	
LADWP Transformer	Point	12.9	
Receiver R2 FI 1.FL Leq,d 39.8 dB(A)			
Mechanical 1	Point	33.0	
Mechanical 2	Point	34.1	
Mechanical 3	Point	32.3	
Mechanical 4	Point	27.3	
Mechanical 5	Point	28.4	
Mechanical 6	Point	27.8	
Mechanical 7	Point	22.4	
Mechanical 8	Point	22.0	
Mechanical 9	Point	22.7	
Mechanical 10	Point	30.1	
LADWP Transformer	Point	8.3	
Receiver R2 FI 2.FL Leq,d 40.8 dB(A)			
Mechanical 1	Point	34.3	
Mechanical 2	Point	35.2	
Mechanical 3	Point	33.5	

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**Sunset + Wilcox  
Contribution level - Mechanical**

**9**

Source	Source type	Leq,d dB(A)	
Mechanical 4	Point	28.5	
Mechanical 5	Point	28.9	
Mechanical 6	Point	28.2	
Mechanical 7	Point	22.6	
Mechanical 8	Point	22.2	
Mechanical 9	Point	23.0	
Mechanical 10	Point	30.7	
LADWP Transformer	Point	8.3	
<b>Receiver R3 FI 1.FL Leq,d 37.1 dB(A)</b>			
Mechanical 1	Point	31.8	
Mechanical 2	Point	31.6	
Mechanical 3	Point	30.0	
Mechanical 4	Point	26.9	
Mechanical 5	Point	20.4	
Mechanical 6	Point	19.8	
Mechanical 7	Point	19.4	
Mechanical 8	Point	21.4	
Mechanical 9	Point	22.2	
Mechanical 10	Point	21.1	
LADWP Transformer	Point	7.1	
<b>Receiver R4 FI 1.FL Leq,d 43.3 dB(A)</b>			
Mechanical 1	Point	28.4	
Mechanical 2	Point	33.9	
Mechanical 3	Point	21.9	
Mechanical 4	Point	22.0	
Mechanical 5	Point	22.3	
Mechanical 6	Point	28.6	
Mechanical 7	Point	29.0	
Mechanical 8	Point	35.2	
Mechanical 9	Point	35.8	
Mechanical 10	Point	34.1	
LADWP Transformer	Point	38.3	
<b>Receiver R4 FI 2.FL Leq,d 46.2 dB(A)</b>			
Mechanical 1	Point	30.4	
Mechanical 2	Point	36.5	
Mechanical 3	Point	22.4	
Mechanical 4	Point	22.6	
Mechanical 5	Point	23.0	
Mechanical 6	Point	29.8	
Mechanical 7	Point	31.2	

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**Sunset + Wilcox  
Contribution level - Mechanical**

**9**

Source	Source type	Leq,d dB(A)	
Mechanical 8	Point	37.9	
Mechanical 9	Point	38.5	
Mechanical 10	Point	36.8	
LADWP Transformer	Point	41.8	
Receiver R5 FI 1.FL Leq,d 38.3 dB(A)			
Mechanical 1	Point	22.1	
Mechanical 2	Point	22.0	
Mechanical 3	Point	27.5	
Mechanical 4	Point	28.1	
Mechanical 5	Point	27.0	
Mechanical 6	Point	30.7	
Mechanical 7	Point	31.8	
Mechanical 8	Point	30.1	
Mechanical 9	Point	28.0	
Mechanical 10	Point	22.6	
LADWP Transformer	Point	23.6	
Receiver R5 FI 2.FL Leq,d 39.6 dB(A)			
Mechanical 1	Point	22.1	
Mechanical 2	Point	21.9	
Mechanical 3	Point	27.8	
Mechanical 4	Point	28.5	
Mechanical 5	Point	30.2	
Mechanical 6	Point	32.1	
Mechanical 7	Point	33.1	
Mechanical 8	Point	31.2	
Mechanical 9	Point	28.6	
Mechanical 10	Point	22.7	
LADWP Transformer	Point	27.2	
Receiver R6 FI 1.FL Leq,d 40.0 dB(A)			
Mechanical 1	Point	24.6	
Mechanical 2	Point	25.0	
Mechanical 3	Point	24.5	
Mechanical 4	Point	25.4	
Mechanical 5	Point	26.9	
Mechanical 6	Point	28.0	
Mechanical 7	Point	30.0	
Mechanical 8	Point	28.4	
Mechanical 9	Point	27.2	
Mechanical 10	Point	26.0	
LADWP Transformer	Point	37.1	

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## Sunset + Wilcox Octave spectra of the sources in dB(A) - Loading

**3**

Name	Source type	l or A m,m <sup>2</sup>	Li dB(A)	R'w dB	L'w dB(A)	Lw dB(A)	KI dB	KT dB	LwMa dB(A)	DO-Wal dB	Time histogram	Emission spectrum	63Hz dB(A)
Loading 1	Point				101.9	101.9	0.0	0.0		0	100%/24h	Truck: loading general cargo	68.9
Loading 2	Point				101.9	101.9	0.0	0.0		0	100%/24h	Truck: loading general cargo	68.9
Loading 3	Point				101.9	101.9	0.0	0.0		0	100%/24h	Truck: loading general cargo	68.9

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## Sunset + Wilcox Contribution level - Loading

**9**

Source	Source type	Leq,d dB(A)	
Receiver R1 FI 1.FL Leq,d 32.0 dB(A)			
Loading 1	Point	26.8	
Loading 2	Point	26.6	
Loading 3	Point	28.0	
Receiver R1 FI 2.FL Leq,d 31.9 dB(A)			
Loading 1	Point	26.8	
Loading 2	Point	26.5	
Loading 3	Point	27.9	
Receiver R2 FI 1.FL Leq,d 22.9 dB(A)			
Loading 1	Point	17.9	
Loading 2	Point	18.1	
Loading 3	Point	18.3	
Receiver R2 FI 2.FL Leq,d 21.9 dB(A)			
Loading 1	Point	17.0	
Loading 2	Point	17.1	
Loading 3	Point	17.3	
Receiver R3 FI 1.FL Leq,d 25.1 dB(A)			
Loading 1	Point	14.6	
Loading 2	Point	15.3	
Loading 3	Point	24.1	
Receiver R4 FI 1.FL Leq,d 26.2 dB(A)			
Loading 1	Point	11.3	
Loading 2	Point	11.5	
Loading 3	Point	25.9	
Receiver R4 FI 2.FL Leq,d 31.7 dB(A)			
Loading 1	Point	10.6	
Loading 2	Point	10.9	
Loading 3	Point	31.6	
Receiver R5 FI 1.FL Leq,d 17.0 dB(A)			
Loading 1	Point	11.4	
Loading 2	Point	12.1	
Loading 3	Point	13.0	
Receiver R5 FI 2.FL Leq,d 15.9 dB(A)			
Loading 1	Point	10.4	
Loading 2	Point	11.1	
Loading 3	Point	11.9	
Receiver R6 FI 1.FL Leq,d 23.1 dB(A)			
Loading 1	Point	17.5	

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**Sunset + Wilcox  
Contribution level - Loading**

**9**

Source	Source type	Leq,d dB(A)	
Loading 2	Point	18.3	
Loading 3	Point	19.1	

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**Sunset + Wilcox**  
**Source Levels in dB(A) - Trash Compactor**

**3**

Name	Source type	Lw dB(A)	
Trash Compactor 1	Point	97.7	
Trash Compactor 2	Point	97.7	

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## Sunset + Wilcox Contribution level - Trash Compactor

**9**

Source	Source type	Leq,d dB(A)
Receiver R1 FI 1.FL Leq,d 13.8 dB(A)		
Trash Compactor 1	Point	10.8
Trash Compactor 2	Point	10.9
Receiver R1 FI 2.FL Leq,d 10.1 dB(A)		
Trash Compactor 1	Point	7.1
Trash Compactor 2	Point	6.9
Receiver R2 FI 1.FL Leq,d 24.4 dB(A)		
Trash Compactor 1	Point	24.1
Trash Compactor 2	Point	13.0
Receiver R2 FI 2.FL Leq,d 24.0 dB(A)		
Trash Compactor 1	Point	24.0
Trash Compactor 2	Point	
Receiver R3 FI 1.FL Leq,d 14.3 dB(A)		
Trash Compactor 1	Point	11.2
Trash Compactor 2	Point	11.4
Receiver R4 FI 1.FL Leq,d 20.3 dB(A)		
Trash Compactor 1	Point	4.2
Trash Compactor 2	Point	20.2
Receiver R4 FI 2.FL Leq,d 2.4 dB(A)		
Trash Compactor 1	Point	
Trash Compactor 2	Point	2.4
Receiver R5 FI 1.FL Leq,d 14.1 dB(A)		
Trash Compactor 1	Point	10.8
Trash Compactor 2	Point	11.4
Receiver R5 FI 2.FL Leq,d 13.2 dB(A)		
Trash Compactor 1	Point	9.9
Trash Compactor 2	Point	10.4
Receiver R6 FI 1.FL Leq,d 19.9 dB(A)		
Trash Compactor 1	Point	16.6
Trash Compactor 2	Point	17.2



Off-Site Traffic Noise Calculations

**Project: Sunset + Wilcox**

<b>Traffic Distribution as % of ADT</b>				
<b>Vehicle Type</b>	<b>Day</b>	<b>Eve</b>	<b>Night</b>	<b>Sub total</b>
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**

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	Peak Hour, Leq		24-Hour CNEL
					AM Pk	PM Pk	ADT				AM	PM	
<b>Wilcox Avenue</b>													
- Bet. Selma Ave. and Sunset Blvd.	45	10	32.5	35	784	831	8,075	10%	0	0	67.8	68.1	67.4
- Bet. Sunset Blvd. and De Longpre Ave.	45	10	32.5	35	833	764	7,985	10%	0	0	68.1	67.7	67.4
- Bet. De Longpre Ave. and Fountain Ave.	45	10	32.5	35	843	774	8,085	10%	0	0	68.2	67.8	67.4
<b>Cahuenga Boulevard</b>													
- Bet. Selma Ave. and Sunset Blvd.	55	10	37.5	35	1,985	1,802	18,935	10%	0	0	71.3	70.9	70.5
- Bet. Sunset Blvd. and De Longpre Ave.	55	10	37.5	35	1,749	1,457	16,030	10%	0	0	70.7	69.9	69.8
- Bet. De Longpre Ave. and Fountain Ave.	55	10	37.5	35	1,697	1,451	15,740	10%	0	0	70.6	69.9	69.7
<b>Vine Street</b>													
- Bet. Selma Ave. and Sunset Blvd.	70	10	45	35	2,240	2,446	23,430	10%	0	0	70.9	71.3	70.6
- Bet. Sunset Blvd. and De Longpre Ave.	70	10	45	35	2,488	2,597	25,425	10%	0	0	71.4	71.5	70.9
<b>Cole Place</b>													
- Bet. Sunset Blvd. and De Longpre Ave.	40	10	30	25	47	65	560	10%	0	0	55.3	56.7	55.5
<b>Sunset Boulevard</b>													
- Bet. Schrader Blvd. and Wilcox Ave.	70	10	45	35	3,019	3,249	31,340	10%	0	0	72.2	72.5	71.8
- Bet. Wilcox Ave. and Cahuenga Blvd.	70	10	45	35	3,127	3,196	31,615	10%	0	0	72.4	72.4	71.9
- Bet. Cahuenga Blvd. and Vine St.	70	10	45	35	2,882	2,971	29,265	10%	0	0	72.0	72.1	71.5
<b>De Longpre Avenue</b>													
- Bet. Seward St. and Wilcox Ave.	40	10	30	25	324	596	4,600	10%	0	0	63.7	66.4	64.7
- Bet. Wilcox Ave. and Cahuenga Blvd.	40	10	30	25	324	639	4,815	10%	0	0	63.7	66.7	64.9
- Bet. Cahuenga Blvd. and Vine St.	40	10	30	25	244	605	4,245	10%	0	0	62.5	66.4	64.3

\* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

**Project: Sunset + Wilcox**

<b>Traffic Distribution as % of ADT</b>				
<b>Vehicle Type</b>	<b>Day</b>	<b>Eve</b>	<b>Night</b>	<b>Sub total</b>
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**

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	Peak Hour, Leq		24-Hour CNEL
					AM Pk	PM Pk	ADT				AM	PM	
<b>Wilcox Avenue</b>													
- Bet. Selma Ave. and Sunset Blvd.	45	10	32.5	35	868	935	9,015	10%	0	0	68.3	68.6	67.9
- Bet. Sunset Blvd. and De Longpre Ave.	45	10	32.5	35	1,086	989	10,375	10%	0	0	69.3	68.9	68.5
- Bet. De Longpre Ave. and Fountain Ave.	45	10	32.5	35	918	898	9,080	10%	0	0	68.5	68.4	67.9
<b>Cahuenga Boulevard</b>													
- Bet. Selma Ave. and Sunset Blvd.	55	10	37.5	35	2,058	1,858	19,580	10%	0	0	71.4	71.0	70.7
- Bet. Sunset Blvd. and De Longpre Ave.	55	10	37.5	35	1,681	1,561	16,210	10%	0	0	70.6	70.2	69.9
- Bet. De Longpre Ave. and Fountain Ave.	55	10	37.5	35	1,665	1,554	16,095	10%	0	0	70.5	70.2	69.8
<b>Vine Street</b>													
- Bet. Selma Ave. and Sunset Blvd.	70	10	45	35	2,355	2,466	24,105	10%	0	0	71.1	71.3	70.7
- Bet. Sunset Blvd. and De Longpre Ave.	70	10	45	35	2,488	2,678	25,830	10%	0	0	71.4	71.7	71.0
<b>Cole Place</b>													
- Bet. Sunset Blvd. and De Longpre Ave.	40	10	30	25	110	233	1,715	10%	0	0	59.0	62.3	60.4
<b>Sunset Boulevard</b>													
- Bet. Schrader Blvd. and Wilcox Ave.	70	10	45	35	3,096	3,296	31,960	10%	0	0	72.3	72.6	71.9
- Bet. Wilcox Ave. and Cahuenga Blvd.	70	10	45	35	3,306	3,334	33,200	10%	0	0	72.6	72.6	72.1
- Bet. Cahuenga Blvd. and Vine St.	70	10	45	35	3,002	3,012	30,070	10%	0	0	72.2	72.2	71.6
<b>De Longpre Avenue</b>													
- Bet. Seward St. and Wilcox Ave.	40	10	30	25	381	630	5,055	10%	0	0	64.4	66.6	65.1
- Bet. Wilcox Ave. and Cahuenga Blvd.	40	10	30	25	483	784	6,335	10%	0	0	65.4	67.5	66.1
- Bet. Cahuenga Blvd. and Vine St.	40	10	30	25	294	732	5,130	10%	0	0	63.3	67.2	65.2

\* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

**Project: Sunset + Wilcox**

<b>Traffic Distribution as % of ADT</b>				
<b>Vehicle Type</b>	<b>Day</b>	<b>Eve</b>	<b>Night</b>	<b>Sub total</b>
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**

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	Peak Hour, Leq		24-Hour CNEL
					AM Pk	PM Pk	ADT				AM	PM	
<b>Wilcox Avenue</b>													
- Bet. Selma Ave. and Sunset Blvd.	45	10	32.5	35	1,292	1,561	14,265	10%	0	0	70.0	70.8	69.9
- Bet. Sunset Blvd. and De Longpre Ave.	45	10	32.5	35	1,145	1,155	11,500	10%	0	0	69.5	69.5	69.0
- Bet. De Longpre Ave. and Fountain Ave.	45	10	32.5	35	1,100	1,189	11,445	10%	0	0	69.3	69.7	68.9
<b>Cahuenga Boulevard</b>													
- Bet. Selma Ave. and Sunset Blvd.	55	10	37.5	35	2,339	2,195	22,670	10%	0	0	72.0	71.7	71.3
- Bet. Sunset Blvd. and De Longpre Ave.	55	10	37.5	35	2,041	1,560	18,005	10%	0	0	71.4	70.2	70.3
- Bet. De Longpre Ave. and Fountain Ave.	55	10	37.5	35	1,976	1,489	17,325	10%	0	0	71.3	70.0	70.1
<b>Vine Street</b>													
- Bet. Selma Ave. and Sunset Blvd.	70	10	45	35	2,930	3,219	30,745	10%	0	0	72.1	72.5	71.7
- Bet. Sunset Blvd. and De Longpre Ave.	70	10	45	35	3,147	3,249	31,980	10%	0	0	72.4	72.5	71.9
<b>Cole Place</b>													
- Bet. Sunset Blvd. and De Longpre Ave.	40	10	30	25	47	65	560	10%	0	0	55.3	56.7	55.5
<b>Sunset Boulevard</b>													
- Bet. Schrader Blvd. and Wilcox Ave.	70	10	45	35	3,780	4,372	40,760	10%	0	0	73.2	73.8	73.0
- Bet. Wilcox Ave. and Cahuenga Blvd.	70	10	45	35	3,778	4,190	39,840	10%	0	0	73.2	73.6	72.9
- Bet. Cahuenga Blvd. and Vine St.	70	10	45	35	3,517	4,017	37,670	10%	0	0	72.9	73.4	72.6
<b>De Longpre Avenue</b>													
- Bet. Seward St. and Wilcox Ave.	40	10	30	25	333	681	5,070	10%	0	0	63.8	66.9	65.1
- Bet. Wilcox Ave. and Cahuenga Blvd.	40	10	30	25	368	727	5,475	10%	0	0	64.3	67.2	65.4
- Bet. Cahuenga Blvd. and Vine St.	40	10	30	25	347	760	5,535	10%	0	0	64.0	67.4	65.5

\* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

**Project: Sunset + Wilcox**

<b>Traffic Distribution as % of ADT</b>				
<b>Vehicle Type</b>	<b>Day</b>	<b>Eve</b>	<b>Night</b>	<b>Sub total</b>
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**

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	Peak Hour, Leq		24-Hour CNEL
					AM Pk	PM Pk	ADT				AM	PM	
<b>Wilcox Avenue</b>													
- Bet. Selma Ave. and Sunset Blvd.	45	10	32.5	35	1,376	1,665	15,205	10%	0	0	70.3	71.1	70.2
- Bet. Sunset Blvd. and De Longpre Ave.	45	10	32.5	35	1,398	1,381	13,895	10%	0	0	70.4	70.3	69.8
- Bet. De Longpre Ave. and Fountain Ave.	45	10	32.5	35	1,175	1,313	12,440	10%	0	0	69.6	70.1	69.3
<b>Cahuenga Boulevard</b>													
- Bet. Selma Ave. and Sunset Blvd.	55	10	37.5	35	2,412	2,251	23,315	10%	0	0	72.1	71.8	71.4
- Bet. Sunset Blvd. and De Longpre Ave.	55	10	37.5	35	1,973	1,664	18,185	10%	0	0	71.3	70.5	70.4
- Bet. De Longpre Ave. and Fountain Ave.	55	10	37.5	35	1,944	1,592	17,680	10%	0	0	71.2	70.3	70.2
<b>Vine Street</b>													
- Bet. Selma Ave. and Sunset Blvd.	70	10	45	35	3,045	3,239	31,420	10%	0	0	72.2	72.5	71.8
- Bet. Sunset Blvd. and De Longpre Ave.	70	10	45	35	3,147	3,330	32,385	10%	0	0	72.4	72.6	72.0
<b>Cole Place</b>													
- Bet. Sunset Blvd. and De Longpre Ave.	40	10	30	25	110	233	1,715	10%	0	0	59.0	62.3	60.4
<b>Sunset Boulevard</b>													
- Bet. Schrader Blvd. and Wilcox Ave.	70	10	45	35	3,857	4,419	41,380	10%	0	0	73.3	73.9	73.0
- Bet. Wilcox Ave. and Cahuenga Blvd.	70	10	45	35	3,957	4,328	41,425	10%	0	0	73.4	73.8	73.0
- Bet. Cahuenga Blvd. and Vine St.	70	10	45	35	3,637	4,059	38,480	10%	0	0	73.0	73.5	72.7
<b>De Longpre Avenue</b>													
- Bet. Seward St. and Wilcox Ave.	40	10	30	25	390	715	5,525	10%	0	0	64.5	67.1	65.5
- Bet. Wilcox Ave. and Cahuenga Blvd.	40	10	30	25	527	872	6,995	10%	0	0	65.8	68.0	66.5
- Bet. Cahuenga Blvd. and Vine St.	40	10	30	25	397	887	6,420	10%	0	0	64.6	68.1	66.1

\* Estimated based on Google Earth map.

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

# Alternatives Noise Calculations

**Project: Sunset + Wilcox Project**

**Off-Site Haul Trucks - Daytime Analysis - Alternative Analysis 50% Reduction**

Phase	Maximum Number of Truck One Way Trips (delivery/haul)		Worker Trips		Estimated Project Noise Levels (From TNM Outputs), Leq(hr)		
	Per Day	Per Hour (8- hr day)	Daily Employees	Trips during Pk Hr.	Cahuenga		Sunset
					Wilcox Ave.	Blvd.	Blvd.
2. Grading/Excavation	150	25	50	50	63.8	63.8	63.6
3. Mat Foundation (cont. pour)	1392	100	100	100	66.6	66.6	66.6
<i>* Trucks are one-way</i>				Ambient, dBA	66.4	67.6	71.5
<i>** 6-hours for hauling (demo and grading phases)</i>				Significance Criteria, dBA	71.4	72.6	76.5
<i>*** 14-hour Mat Pour</i>							
<i>**** 1/2 trips for Wilcox and Cahuenga, as these are one-way trips</i>							

Phase	Estimated Noise Levels - Project + Ambient, Leq(hr)			
	Wilcox Ave.	Cahuenga		Sunset
		Blvd.	Blvd.	Blvd.
2. Grading/Excavation	68.3	69.1	72.2	
3. Mat Foundation (cont. pour)	69.5	70.1	72.7	

Phase	Estimated Noise Increase, Leq(hr)			
	Wilcox Ave.	Cahuenga		Sunset
		Blvd.	Blvd.	Blvd.
2. Grading/Excavation	1.9	1.5	0.7	
3. Mat Foundation (cont. pour)	3.1	2.5	1.2	
Maximum Noise Increase, dBA (Leq)				
	3.1	2.5	1.2	

**INPUT: ROADWAYS**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Grading Alt.

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control			Segment
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

Eyestone Environmental				6 October 2021									
Sean Bui				TNM 2.5									
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		Sunset + Wilcox											
RUN:		Off-site Construction - Grading Alt.											
Roadway		Points											
Name		Name		No.		Segment							
						Autos		MTrucks		HTrucks		Buses	
						V S		V S		V S		V S	
						veh/hr mph		veh/hr mph		veh/hr mph		veh/hr mph	
Haul Route		point1		1		25 35		0 0		13 35		0 0	
		point2		2									



**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021				
Sean Bui							TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		Sunset + Wilcox									
<b>RUN:</b>		Off-site Construction - Grading Alt.									
<b>Receiver</b>											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z		above	Existing	Impact Criteria		
						Ground	L <sub>Aeq</sub> 1h	L <sub>Aeq</sub> 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Wilcox and Cahuenga	1	1	250.0	25.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021							
Sean Bui							TNM 2.5							
							Calculated with TNM 2.5							
<b>RESULTS: SOUND LEVELS</b>														
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox											
<b>RUN:</b>			Off-site Construction - Grading Alt.											
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.						
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH											
<b>Receiver</b>														
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier</b>				
									<b>Calculated LAeq1h</b>	<b>Noise Reduction Calculated</b>		<b>Goal</b>	<b>Calculated minus Goal</b>	
				dB	dB	dB	dB	dB		dB	dB	dB	dB	
Wilcox and Cahuenga		1	1	0.0	63.8	71	63.8	5	----	63.8	0.0	0	0.0	
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>										
				<b>Min</b>	<b>Avg</b>	<b>Max</b>								
				<b>dB</b>	<b>dB</b>	<b>dB</b>								
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:**

Sunset + Wilcox

**RUN:**

Off-site Construction - Grading Alt.

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control		Segment	
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

<b>Eyestone Environmental</b>				<b>6 October 2021</b>									
<b>Sean Bui</b>				<b>TNM 2.5</b>									
<b>INPUT: TRAFFIC FOR LAeq1h Volumes</b>													
<b>PROJECT/CONTRACT:</b>				<b>Sunset + Wilcox</b>									
<b>RUN:</b>				<b>Off-site Construction - Grading Alt.</b>									
<b>Roadway</b>		<b>Points</b>											
<b>Name</b>		<b>Name</b>		<b>No.</b>		<b>Segment</b>							
						<b>Autos</b>		<b>MTrucks</b>		<b>HTrucks</b>		<b>Buses</b>	
						<b>V S</b>		<b>V S</b>		<b>V S</b>		<b>V S</b>	
						veh/hr mph		veh/hr mph		veh/hr mph		veh/hr mph	
Haul Route		point1		1		25 35		0 0		25 35		0 0	
		point2		2									

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021				
Sean Bui							TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		Sunset + Wilcox									
<b>RUN:</b>		Off-site Construction - Grading Alt.									
<b>Receiver</b>											
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	
Sunset Blvd.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental						6 October 2021							
Sean Bui						TNM 2.5							
						Calculated with TNM 2.5							
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox										
<b>RUN:</b>			Off-site Construction - Grading Alt.										
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS						Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.				
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier Calculated LAeq1h</b>	<b>Noise Reduction Calculated Goal</b>		<b>Calculated minus Goal</b>
				dB	dB	dB	dB	dB		dB	dB	dB	dB
Sunset Blvd.		1	1	0.0	63.6	71	63.6	5	----	63.6	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Mat Foundation Alt

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control		Segment	
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

<b>Eyestone Environmental</b>													
<b>Sean Bui</b>													
<b>INPUT: TRAFFIC FOR LAeq1h Volumes</b>													
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>											
<b>RUN:</b>		<b>Off-site Construction - Mat Foundation Alt</b>											
<b>Roadway</b>		<b>Points</b>											
<b>Name</b>		<b>Name</b>		<b>No.</b>		<b>Segment</b>							
						<b>Autos</b>		<b>MTrucks</b>		<b>HTrucks</b>		<b>Buses</b>	
						<b>V</b>		<b>S</b>		<b>V</b>		<b>S</b>	
						veh/hr		mph		veh/hr		mph	
Haul Route		point1		1		50		35		0		0	
		point2		2									



**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021				
Sean Bui							TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>			<b>Sunset + Wilcox</b>								
<b>RUN:</b>			<b>Off-site Construction - Mat Foundation Alt</b>								
<b>Receiver</b>											
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	
Wilcox and Cahuenga	1	1	250.0	25.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021						
Sean Bui							TNM 2.5						
							Calculated with TNM 2.5						
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox										
<b>RUN:</b>			Off-site Construction - Mat Foundation Alt										
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.					
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing</b>		<b>With Barrier</b>				
							<b>Calculated</b>	<b>Crit'n</b>	<b>Type Impact</b>	<b>Calculated LAeq1h</b>	<b>Noise Reduction</b>		<b>Calculated minus Goal</b>
				dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
Wilcox and Cahuenga		1	1	0.0	66.6	71	66.6	5	----	66.6	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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**

**Sunset + Wilcox**

Eyestone Environmental											
Sean Bui											

6 October 2021

TNM 2.5

**INPUT: ROADWAYS**

**PROJECT/CONTRACT:** Sunset + Wilcox  
**RUN:** Off-site Construction - Mat Foundation Alt

Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA

Roadway		Points			Coordinates (pavement)			Flow Control			Segment
Name	Width	Name	No.	X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Haul 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**

**Sunset + Wilcox**

Eyestone Environmental				6 October 2021									
Sean Bui				TNM 2.5									
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:		Sunset + Wilcox											
RUN:		Off-site Construction - Mat Foundation Alt											
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
Haul Route		point1	1	50	35	0	0	50	35	0	0	0	0
		point2	2										

**INPUT: RECEIVERS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021				
Sean Bui							TNM 2.5				
<b>INPUT: RECEIVERS</b>											
<b>PROJECT/CONTRACT:</b>		<b>Sunset + Wilcox</b>									
<b>RUN:</b>		<b>Off-site Construction - Mat Foundation Alt</b>									
<b>Receiver</b>											
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active
			X	Y	Z		above	Existing	Impact Criteria		
						Ground	L <sub>Aeq</sub> 1h	L <sub>Aeq</sub> 1h	Sub'l	Goal	Calc.
			ft	ft	ft	ft	dBA	dBA	dB	dB	
Sunset Blvd.	1	1	250.0	45.0	0.00	4.92	0.00	71	5.0	0.0	Y

**RESULTS: SOUND LEVELS**

**Sunset + Wilcox**

Eyestone Environmental							6 October 2021						
Sean Bui							TNM 2.5						
							Calculated with TNM 2.5						
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			Sunset + Wilcox										
<b>RUN:</b>			Off-site Construction - Mat Foundation Alt										
<b>BARRIER DESIGN:</b>			INPUT HEIGHTS				Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.						
<b>ATMOSPHERICS:</b>			68 deg F, 50% RH										
<b>Receiver</b>													
<b>Name</b>		<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h Calculated</b>	<b>Crit'n</b>	<b>Increase over existing Calculated</b>	<b>Crit'n Sub'l Inc</b>	<b>Type Impact</b>	<b>With Barrier Calculated LAeq1h</b>	<b>Noise Reduction Calculated Goal Calculated minus Goal</b>		
				dB	dB	dB	dB	dB		dB	dB	dB	dB
Sunset Blvd.		1	1	0.0	66.6	71	66.6	5	----	66.6	0.0	0	0.0
<b>Dwelling Units</b>			<b># DUs</b>	<b>Noise Reduction</b>									
				<b>Min</b>	<b>Avg</b>	<b>Max</b>							
				<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected			1	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: Sunset + Wilcox Project**

**Construction Phase: *Demolition***  
***Alternatives Analysis, 50% Reduction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift		83	40%		
Concrete Saw	1	90	20%	220	0
Excavator		81	40%		
Rubber Tired Loader	1	79	40%	245	0
Air Compressor		78	40%		
Water Truck	1	82	10%	270	0
Generator Set		81	50%		
Excavator	1	81	40%	295	0
Excavator		81	40%		

**Receptor:** 4  
***R1***

**Results:**  
**1-hour Leq: 71.3**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Demolition***  
***Alternatives Analysis, 50% Reduction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift		83	40%		
Concrete Saw	1	90	20%	130	0
Excavator		81	40%		
Rubber Tired Loader	1	79	40%	155	0
Air Compressor		78	40%		
Water Truck	1	82	10%	180	0
Generator Set		81	50%		
Excavator	1	81	40%	205	0
Excavator		81	40%		

**Receptor:** 4  
**R2**

**Results:**  
**1-hour Leq: 75.7**

Source for Ref. Noise Levels: FHWA RCNM, 2006



**Project: Sunset + Wilcox Project**

**Construction Phase: *Demolition***  
***Alternatives Analysis, 50% Reduction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift		83	40%		
Concrete Saw	1	90	20%	355	15
Excavator		81	40%		
Rubber Tired Loader	1	79	40%	380	15
Air Compressor		78	40%		
Water Truck	1	82	10%	405	15
Generator Set		81	50%		
Excavator	1	81	40%	430	15
Excavator		81	40%		

**Receptor:** 4  
**R3**

**Results:**  
**1-hour Leq: 52.4**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Demolition***  
***Alternatives Analysis, 50% Reduction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift		83	40%		
Concrete Saw	1	90	20%	300	15
Excavator		81	40%		
Rubber Tired Loader	1	79	40%	325	15
Air Compressor		78	40%		
Water Truck	1	82	10%	350	15
Generator Set		81	50%		
Excavator	1	81	40%	375	15
Excavator		81	40%		

**Receptor:** 4  
**R4**

**Results:**  
**1-hour Leq: 53.8**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Demolition***  
***Alternatives Analysis, 50% Reduction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift		83	40%		
Concrete Saw	1	90	20%	225	0
Excavator		81	40%		
Rubber Tired Loader	1	79	40%	250	0
Air Compressor		78	40%		
Water Truck	1	82	10%	275	0
Generator Set		81	50%		
Excavator	1	81	40%	300	0
Excavator		81	40%		

**Receptor:** 4  
**R5**

**Results:**  
**1-hour Leq: 71.2**

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Project: Sunset + Wilcox Project**

**Construction Phase: *Demolition***  
***Alternatives Analysis, 50% Reduction***

**Equipment**

<b>Description</b>	<b>No. of Equip.</b>	<b>Reference Noise Level at 50ft, Lmax</b>	<b>Acoustical Usage Factor</b>	<b>Distance to Receptor, ft</b>	<b>Estimated Noise Shielding, dBA</b>
Rough Terrain Forklift	1	83	40%	10	0
Concrete Saw		90	20%		
Excavator	1	81	40%	35	0
Rubber Tired Loader		79	40%		
Air Compressor	1	78	40%	60	0
Water Truck		82	10%		
Generator Set	1	81	50%	85	0
Excavator		81	40%		
Excavator	1	81	40%	110	0

**Receptor:** 5  
**R6**

**Results:**  
**1-hour Leq: 93.3**

Source for Ref. Noise Levels: FHWA RCNM, 2006