

Appendix I

Noise and Vibration Calculation Worksheets

Buena Vista Project

Noise Calculations Worksheets

Provided by Acoustical Engineering Services

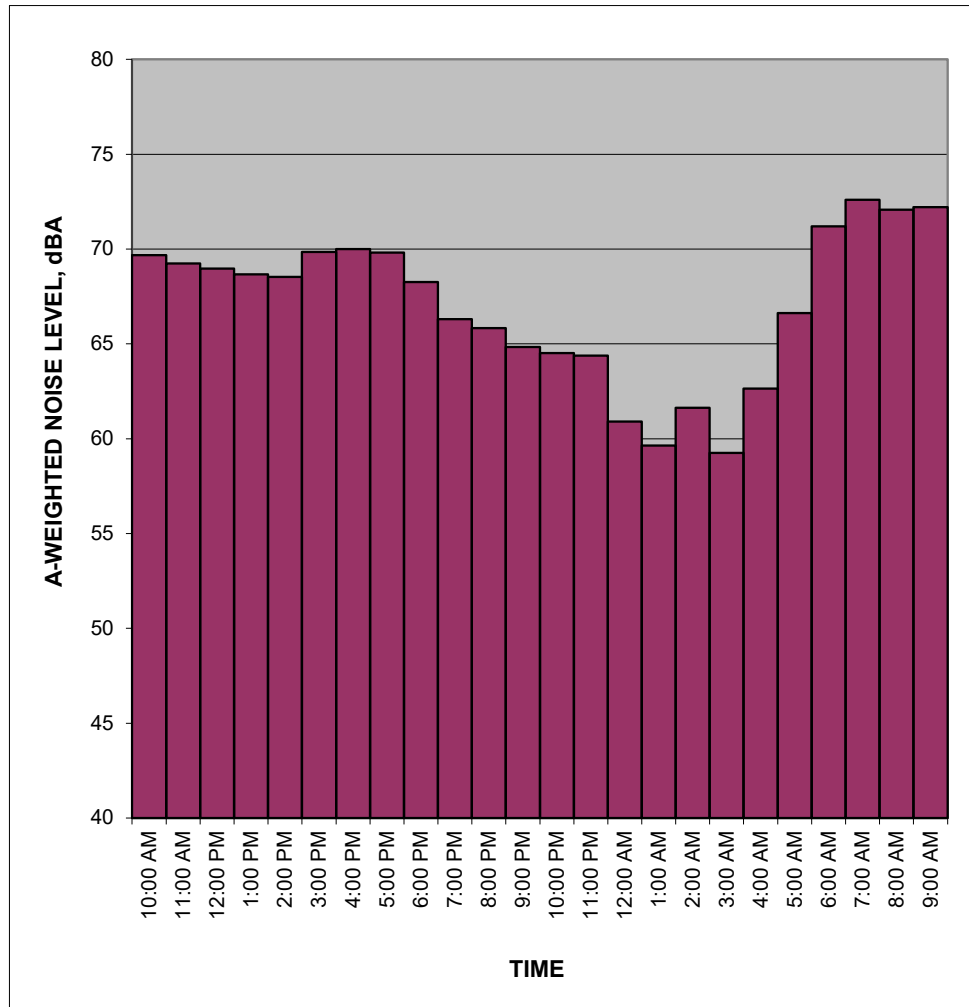
Ambient Noise Measurements

Measured Ambient Noise Levels

Project: Buena Vista
 Location: R8
 Sources: Ambient

Date: 04/08 - 04/09/2024

<i>TIME</i>	<i>HNL, dB(A)</i>
10:00 AM	69.7
11:00 AM	69.2
12:00 PM	69.0
1:00 PM	68.7
2:00 PM	68.5
3:00 PM	69.9
4:00 PM	70.0
5:00 PM	69.8
6:00 PM	68.3
7:00 PM	66.3
8:00 PM	65.8
9:00 PM	64.8
10:00 PM	64.5
11:00 PM	64.4
12:00 AM	60.9
1:00 AM	59.6
2:00 AM	61.6
3:00 AM	59.3
4:00 AM	62.6
5:00 AM	66.6
6:00 AM	71.2
7:00 AM	72.6
8:00 AM	72.1
9:00 AM	72.2
CNEL, dB(A):	72.8



NOTES:

Daytime average 69.6 dBA Leq
 Nighttime average 65.2 dBA Leq

Location: R1
 Date: 4/9/2024

Time	Leq	Lmax
10:25:21 AM	50.4	
10:25:31 AM	52.4	
10:25:41 AM	52.4	
10:25:51 AM	56.8	
10:26:01 AM	55.1	
10:26:11 AM	54.2	
10:26:21 AM	53.7	
10:26:31 AM	56.6	
10:26:41 AM	56.1	
10:26:51 AM	55.8	
10:27:01 AM	51.8	
10:27:11 AM	50.2	
10:27:21 AM	58	
10:27:31 AM	59.1	
10:27:41 AM	59.8	
10:27:51 AM	62.3	
10:28:01 AM	58.3	
10:28:11 AM	62.5	
10:28:21 AM	62.1	
10:28:31 AM	58.9	
10:28:41 AM	57.1	
10:28:51 AM	56.3	
10:29:01 AM	52.8	
10:29:11 AM	52.7	
10:29:21 AM	55.2	
10:29:31 AM	56.9	
10:29:41 AM	55.7	
10:29:51 AM	53.4	
10:30:01 AM	54.9	
10:30:11 AM	58.6	
10:30:21 AM	56.1	
10:30:31 AM	53.7	
10:30:41 AM	53.1	
10:30:51 AM	53.5	
10:31:01 AM	57.7	
10:31:11 AM	65.7	
10:31:21 AM	64	
10:31:31 AM	54.5	
10:31:41 AM	56.8	
10:31:51 AM	54.7	
10:32:01 AM	53.6	
10:32:11 AM	53.9	
10:32:21 AM	53.2	
10:32:31 AM	53.8	

10:32:41 AM	52.5
10:32:51 AM	52.3
10:33:01 AM	53.2
10:33:11 AM	53.6
10:33:21 AM	52.3
10:33:31 AM	55.4
10:33:41 AM	53.7
10:33:51 AM	55.1
10:34:01 AM	54.7
10:34:11 AM	51.5
10:34:21 AM	51
10:34:31 AM	51.3
10:34:41 AM	53.3
10:34:51 AM	52.8
10:35:01 AM	54.5
10:35:11 AM	52.3
10:35:21 AM	55.2
10:35:31 AM	56.1
10:35:41 AM	54.1
10:35:51 AM	55.2
10:36:01 AM	63.7
10:36:11 AM	63.6
10:36:21 AM	60.6
10:36:31 AM	63.1
10:36:41 AM	65.3
10:36:51 AM	60.5
10:37:01 AM	60.1
10:37:11 AM	59.6
10:37:21 AM	69
10:37:31 AM	53.9
10:37:41 AM	51.1
10:37:51 AM	56.6
10:38:01 AM	52
10:38:11 AM	54.8
10:38:21 AM	56
10:38:31 AM	57
10:38:41 AM	56.2
10:38:51 AM	55.3
10:39:01 AM	55.5
10:39:11 AM	55.4
10:39:21 AM	57.9
10:39:31 AM	60.1
10:39:41 AM	55.2
10:39:51 AM	57.8
10:40:01 AM	55.8
10:40:11 AM	51.6

58.2

Time	Leq
10:36:37 PM	54.2
10:36:47 PM	55.3
10:36:57 PM	56.2
10:37:07 PM	54.6
10:37:17 PM	54.3
10:37:27 PM	54.7
10:37:37 PM	56.3
10:37:47 PM	56
10:37:57 PM	57.3
10:38:07 PM	56.4
10:38:17 PM	55.5
10:38:27 PM	55.2
10:38:37 PM	55
10:38:47 PM	54.8
10:38:57 PM	55.3
10:39:07 PM	56
10:39:17 PM	55
10:39:27 PM	55.3
10:39:37 PM	57
10:39:47 PM	58.6
10:39:57 PM	57.2
10:40:07 PM	56.1
10:40:17 PM	58.4
10:40:27 PM	55.9
10:40:37 PM	55.4
10:40:47 PM	55
10:40:57 PM	54.8
10:41:07 PM	54.3
10:41:17 PM	54.5
10:41:27 PM	55.5
10:41:37 PM	57.6
10:41:47 PM	55.8
10:41:57 PM	54.9
10:42:07 PM	54.5
10:42:17 PM	54.4
10:42:27 PM	54.2
10:42:37 PM	55.3
10:42:47 PM	56
10:42:57 PM	55.6
10:43:07 PM	54.3
10:43:17 PM	53.5
10:43:27 PM	53.4
10:43:37 PM	53.7
10:43:47 PM	53.7
10:43:57 PM	54
10:44:07 PM	54.8
10:44:17 PM	53.7

10:44:27 PM	54.3
10:44:37 PM	67.1
10:44:47 PM	69.8
10:44:57 PM	77.2
10:45:07 PM	58.7
10:45:17 PM	55.9
10:45:27 PM	55.6
10:45:37 PM	55.9
10:45:47 PM	58.9
10:45:57 PM	65.3
10:46:07 PM	63.5
10:46:17 PM	56
10:46:27 PM	54
10:46:37 PM	54.6
10:46:47 PM	54
10:46:57 PM	53.5
10:47:07 PM	54.2
10:47:17 PM	54.7
10:47:27 PM	55.8
10:47:37 PM	56.3
10:47:47 PM	55.6
10:47:57 PM	56.3
10:48:07 PM	54.8
10:48:17 PM	55
10:48:27 PM	55
10:48:37 PM	55.8
10:48:47 PM	55.7
10:48:57 PM	54
10:49:07 PM	54.3
10:49:17 PM	55.5
10:49:27 PM	54.6
10:49:37 PM	54.5
10:49:47 PM	56.5
10:49:57 PM	55.5
10:50:07 PM	55.7
10:50:17 PM	55.2
10:50:27 PM	54.2
10:50:37 PM	54.2
10:50:47 PM	54.9
10:50:57 PM	55.5
10:51:07 PM	58.1
10:51:17 PM	55.8
10:51:27 PM	54.5

56.7

Project: Buena Vista
 Location: R2
 Date: 4/8/2024

Time	Leq
11:59:29 AM	60
11:59:39 AM	59.8
11:59:49 AM	54.8
11:59:59 AM	55.3
12:00:09 PM	63.1
12:00:19 PM	62
12:00:29 PM	59.3
12:00:39 PM	63.2
12:00:49 PM	56.2
12:00:59 PM	57.3
12:01:09 PM	51.6
12:01:19 PM	60.5
12:01:29 PM	52.8
12:01:39 PM	57
12:01:49 PM	61.5
12:01:59 PM	62.5
12:02:09 PM	63.6
12:02:19 PM	65.1
12:02:29 PM	61.3
12:02:39 PM	58.6
12:02:49 PM	55.2
12:02:59 PM	55.3
12:03:09 PM	61.1
12:03:19 PM	67.5
12:03:29 PM	68.5
12:03:39 PM	64
12:03:49 PM	53.4
12:03:59 PM	54.2
12:04:09 PM	56.6
12:04:19 PM	62.3
12:04:29 PM	65.8
12:04:39 PM	63.2
12:04:49 PM	67.8
12:04:59 PM	64
12:05:09 PM	63.5
12:05:19 PM	61.5
12:05:29 PM	61.9
12:05:39 PM	67.2
12:05:49 PM	58.8
12:05:59 PM	58.6
12:06:09 PM	59
12:06:19 PM	65.6
12:06:29 PM	64.8

12:06:39 PM	62.8
12:06:49 PM	63.9
12:06:59 PM	63.2
12:07:09 PM	60.8
12:07:19 PM	62.2
12:07:29 PM	65.3
12:07:39 PM	62.1
12:07:49 PM	66.7
12:07:59 PM	65.9
12:08:09 PM	64.1
12:08:19 PM	58.3
12:08:29 PM	62.9
12:08:39 PM	66.4
12:08:49 PM	67.6
12:08:59 PM	70.3
12:09:09 PM	67.7
12:09:19 PM	66.5
12:09:29 PM	62.3
12:09:39 PM	62.9
12:09:49 PM	64.1
12:09:59 PM	65.8
12:10:09 PM	64.2
12:10:19 PM	59.7
12:10:29 PM	52.9
12:10:39 PM	58.9
12:10:49 PM	65.2
12:10:59 PM	54.8
12:11:09 PM	59.9
12:11:19 PM	61.5
12:11:29 PM	57.6
12:11:39 PM	68.9
12:11:49 PM	66.8
12:11:59 PM	63.8
12:12:09 PM	62.1
12:12:19 PM	66
12:12:29 PM	69.4
12:12:39 PM	61.5
12:12:49 PM	62.5
12:12:59 PM	61.8
12:13:09 PM	53.3
12:13:19 PM	54.5
12:13:29 PM	57.4
12:13:39 PM	59.6
12:13:49 PM	65
12:13:59 PM	62.2
12:14:09 PM	62.9
12:14:19 PM	60.7

63.5

Time	Leq
11:33:01 PM	52.2
11:33:11 PM	61.5
11:33:21 PM	60.2
11:33:31 PM	51
11:33:41 PM	46.8
11:33:51 PM	46.4
11:34:01 PM	49.9
11:34:11 PM	54
11:34:21 PM	60.8
11:34:31 PM	56.3
11:34:41 PM	50.1
11:34:51 PM	52.6
11:35:01 PM	63.6
11:35:11 PM	60.8
11:35:21 PM	58.2
11:35:31 PM	64.1
11:35:41 PM	76.8
11:35:51 PM	61.9
11:36:01 PM	52.8
11:36:11 PM	61
11:36:21 PM	50.7
11:36:31 PM	60.2
11:36:41 PM	51.2
11:36:51 PM	50.3
11:37:01 PM	63.1
11:37:11 PM	66.6
11:37:21 PM	60.3
11:37:31 PM	49
11:37:41 PM	48.8
11:37:51 PM	49.8
11:38:01 PM	51.4
11:38:11 PM	54.2
11:38:21 PM	62.4
11:38:31 PM	60.6
11:38:41 PM	60.1
11:38:51 PM	49.1
11:39:01 PM	48.2
11:39:11 PM	48.8
11:39:21 PM	49.8
11:39:31 PM	61.6
11:39:41 PM	61.5
11:39:51 PM	50.7
11:40:01 PM	49.4
11:40:11 PM	50.1
11:40:21 PM	53
11:40:31 PM	71

11:40:41 PM	76.9
11:40:51 PM	60.2
11:41:01 PM	62.8
11:41:11 PM	60.6
11:41:21 PM	56.7
11:41:31 PM	60.6
11:41:41 PM	59.5
11:41:51 PM	55.7
11:42:01 PM	57.3
11:42:11 PM	49.1
11:42:21 PM	57.1
11:42:31 PM	57.4
11:42:41 PM	54.1
11:42:51 PM	49.4
11:43:01 PM	48.9
11:43:11 PM	49.8
11:43:21 PM	48.4
11:43:31 PM	48.5
11:43:41 PM	48.4
11:43:51 PM	49
11:44:01 PM	48.5
11:44:11 PM	48.3
11:44:21 PM	48.3
11:44:31 PM	48.2
11:44:41 PM	56.2
11:44:51 PM	58.5
11:45:01 PM	54.6
11:45:11 PM	59.5
11:45:21 PM	50.2
11:45:31 PM	49
11:45:41 PM	49.2
11:45:51 PM	48.9
11:46:01 PM	58
11:46:11 PM	62.1
11:46:21 PM	49.7
11:46:31 PM	57.4
11:46:41 PM	57
11:46:51 PM	50.3
11:47:01 PM	48.6
11:47:11 PM	49
11:47:21 PM	48.6
11:47:31 PM	48.5
11:47:41 PM	50.3
11:47:51 PM	59.9
<hr/>	
	57.6

Project: Buena Vista
 Location: R3
 Date: 4/9/2024

Time	Leq
12:06:33 PM	54.5
12:06:43 PM	56.2
12:06:53 PM	58.3
12:07:03 PM	55.2
12:07:13 PM	54.6
12:07:23 PM	60.3
12:07:33 PM	61.2
12:07:43 PM	62.1
12:07:53 PM	58.3
12:08:03 PM	55
12:08:13 PM	65
12:08:23 PM	75.4
12:08:33 PM	65.2
12:08:43 PM	63.2
12:08:53 PM	56.8
12:09:03 PM	58.6
12:09:13 PM	56.9
12:09:23 PM	57.5
12:09:33 PM	53.5
12:09:43 PM	62.3
12:09:53 PM	61
12:10:03 PM	59.9
12:10:13 PM	58.6
12:10:23 PM	56.1
12:10:33 PM	59.8
12:10:43 PM	63.6
12:10:53 PM	60.7
12:11:03 PM	59.6
12:11:13 PM	62.1
12:11:23 PM	60.6
12:11:33 PM	59.6
12:11:43 PM	59.8
12:11:53 PM	61.5
12:12:03 PM	61.8
12:12:13 PM	65.7
12:12:23 PM	64.6
12:12:33 PM	75
12:12:43 PM	76
12:12:53 PM	60.7
12:13:03 PM	60.3
12:13:13 PM	56.8
12:13:23 PM	59
12:13:33 PM	60.6

12:13:43 PM	61.9
12:13:53 PM	59.8
12:14:03 PM	62.4
12:14:13 PM	63.5
12:14:23 PM	60.6
12:14:33 PM	59.7
12:14:43 PM	59.3
12:14:53 PM	55.6
12:15:03 PM	64.5
12:15:13 PM	61.7
12:15:23 PM	59.1
12:15:33 PM	60.5
12:15:43 PM	57.6
12:15:53 PM	63.5
12:16:03 PM	71
12:16:13 PM	57.5
12:16:23 PM	59.4
12:16:33 PM	63.5
12:16:43 PM	65.4
12:16:53 PM	60
12:17:03 PM	61.4
12:17:13 PM	61
12:17:23 PM	58.6
12:17:33 PM	59.3
12:17:43 PM	56.4
12:17:53 PM	59.1
12:18:03 PM	64.9
12:18:13 PM	58
12:18:23 PM	54.7
12:18:33 PM	57.7
12:18:43 PM	59.1
12:18:53 PM	60
12:19:03 PM	59.3
12:19:13 PM	66
12:19:23 PM	57.2
12:19:33 PM	64.9
12:19:43 PM	61.9
12:19:53 PM	59.5
12:20:03 PM	60.1
12:20:13 PM	60.1
12:20:23 PM	60.6
12:20:33 PM	58.4
12:20:43 PM	58
12:20:53 PM	58.8
12:21:03 PM	61.5
12:21:13 PM	61.8
12:21:23 PM	58.5

64.0

Time	Leq
10:01:26 PM	55.4
10:01:36 PM	61.4
10:01:46 PM	57.5
10:01:56 PM	55.3
10:02:06 PM	54.3
10:02:16 PM	57.3
10:02:26 PM	57.7
10:02:36 PM	57.3
10:02:46 PM	58.9
10:02:56 PM	56.3
10:03:06 PM	55.3
10:03:16 PM	58.5
10:03:26 PM	58.4
10:03:36 PM	55.5
10:03:46 PM	55.5
10:03:56 PM	54.9
10:04:06 PM	70.8
10:04:16 PM	62.8
10:04:26 PM	56.5
10:04:36 PM	55.2
10:04:46 PM	54.5
10:04:56 PM	56.9
10:05:06 PM	58.6
10:05:16 PM	59.5
10:05:26 PM	58.9
10:05:36 PM	54.2
10:05:46 PM	58.6
10:05:56 PM	59.7
10:06:06 PM	56.9
10:06:16 PM	53.9
10:06:26 PM	56.8
10:06:36 PM	61.9
10:06:46 PM	52.4
10:06:56 PM	55.5
10:07:06 PM	57.2
10:07:16 PM	60.5
10:07:26 PM	53.6
10:07:36 PM	58.2
10:07:46 PM	54.6
10:07:56 PM	52.1
10:08:06 PM	52.4
10:08:16 PM	53
10:08:26 PM	55.4
10:08:36 PM	53.1
10:08:46 PM	58.6
10:08:56 PM	55.2

10:09:06 PM	59.2
10:09:16 PM	52.3
10:09:26 PM	55
10:09:36 PM	54.3
10:09:46 PM	57.6
10:09:56 PM	55.8
10:10:06 PM	51.6
10:10:16 PM	52.3
10:10:26 PM	56.7
10:10:36 PM	60.5
10:10:46 PM	62.6
10:10:56 PM	57.4
10:11:06 PM	53.3
10:11:16 PM	52.4
10:11:26 PM	53
10:11:36 PM	53.8
10:11:46 PM	54.4
10:11:56 PM	57.8
10:12:06 PM	53.6
10:12:16 PM	53.1
10:12:26 PM	53.7
10:12:36 PM	56.5
10:12:46 PM	54.8
10:12:56 PM	58.7
10:13:06 PM	60.6
10:13:16 PM	59
10:13:26 PM	58.7
10:13:36 PM	58.9
10:13:46 PM	55.5
10:13:56 PM	59.3
10:14:06 PM	60.5
10:14:16 PM	56.2
10:14:26 PM	57.2
10:14:36 PM	57.8
10:14:46 PM	56.8
10:14:56 PM	56.2
10:15:06 PM	56.8
10:15:16 PM	57.4
10:15:26 PM	60
10:15:36 PM	62.4
10:15:46 PM	64.7
10:15:56 PM	56.7
10:16:06 PM	56.3
10:16:16 PM	56.8

58.5

Project: Buena Vista
 Location: R4
 Date: 4/9/2024

Time	Leq
11:36:36 AM	51.5
11:36:46 AM	49.7
11:36:56 AM	49.2
11:37:06 AM	48.7
11:37:16 AM	48.8
11:37:26 AM	51.9
11:37:36 AM	69.5
11:37:46 AM	68.5
11:37:56 AM	52.4
11:38:06 AM	48.5
11:38:16 AM	54.1
11:38:26 AM	53.1
11:38:36 AM	49.2
11:38:46 AM	52.5
11:38:56 AM	53.3
11:39:06 AM	56.3
11:39:16 AM	53.2
11:39:26 AM	50.2
11:39:36 AM	53.9
11:39:46 AM	49.8
11:39:56 AM	48.8
11:40:06 AM	46.1
11:40:16 AM	48.9
11:40:26 AM	51.8
11:40:36 AM	50.6
11:40:46 AM	50.2
11:40:56 AM	50.1
11:41:06 AM	52
11:41:16 AM	55
11:41:26 AM	59.2
11:41:36 AM	54.4
11:41:46 AM	51.9
11:41:56 AM	48.6
11:42:06 AM	50.7
11:42:16 AM	55
11:42:26 AM	52.6
11:42:36 AM	51.3
11:42:46 AM	53.6
11:42:56 AM	50.5
11:43:06 AM	52.2
11:43:16 AM	52
11:43:26 AM	51.3
11:43:36 AM	49.5

11:43:46 AM	49.9
11:43:56 AM	50.4
11:44:06 AM	52.4
11:44:16 AM	54.8
11:44:26 AM	51.7
11:44:36 AM	50.1
11:44:46 AM	49.6
11:44:56 AM	48.6
11:45:06 AM	48.8
11:45:16 AM	49.5
11:45:26 AM	49.2
11:45:36 AM	51.1
11:45:46 AM	48.8
11:45:56 AM	51.1
11:46:06 AM	50.2
11:46:16 AM	51.3
11:46:26 AM	54.5
11:46:36 AM	50.7
11:46:46 AM	49.3
11:46:56 AM	50.2
11:47:06 AM	56.4
11:47:16 AM	69.2
11:47:26 AM	61.8
11:47:36 AM	65.2
11:47:46 AM	52.2
11:47:56 AM	50
11:48:06 AM	51.8
11:48:16 AM	53.3
11:48:26 AM	53.6
11:48:36 AM	51.3
11:48:46 AM	52.2
11:48:56 AM	51.6
11:49:06 AM	48.8
11:49:16 AM	47.9
11:49:26 AM	50.3
11:49:36 AM	53.2
11:49:46 AM	52.9
11:49:56 AM	51.8
11:50:06 AM	50.6
11:50:16 AM	49.4
11:50:26 AM	48.9
11:50:36 AM	48.6
11:50:46 AM	48
11:50:56 AM	49.2
11:51:06 AM	50
11:51:16 AM	51.8
11:51:26 AM	56.3

56.7

Time	Leq
11:36:52 PM	50.9
11:37:02 PM	54.3
11:37:12 PM	49.3
11:37:22 PM	48
11:37:32 PM	47.2
11:37:42 PM	49.2
11:37:52 PM	51
11:38:02 PM	49.1
11:38:12 PM	48
11:38:22 PM	48.3
11:38:32 PM	48.5
11:38:42 PM	47.7
11:38:52 PM	47.5
11:39:02 PM	48.6
11:39:12 PM	48.2
11:39:22 PM	50.3
11:39:32 PM	52.4
11:39:42 PM	51.3
11:39:52 PM	52.7
11:40:02 PM	53.1
11:40:12 PM	60.5
11:40:22 PM	54
11:40:32 PM	49
11:40:42 PM	52.1
11:40:52 PM	50.3
11:41:02 PM	49.2
11:41:12 PM	51.6
11:41:22 PM	48.2
11:41:32 PM	47.6
11:41:42 PM	47.5
11:41:52 PM	47.4
11:42:02 PM	47.7
11:42:12 PM	48.9
11:42:22 PM	50.4
11:42:32 PM	48.6
11:42:42 PM	48
11:42:52 PM	48.4
11:43:02 PM	48.5
11:43:12 PM	48.5
11:43:22 PM	48.7
11:43:32 PM	51.6
11:43:42 PM	49.5
11:43:52 PM	50.5
11:44:02 PM	51.4
11:44:12 PM	62.2
11:44:22 PM	58.6

11:44:32 PM	53.3
11:44:42 PM	50
11:44:52 PM	50.7
11:45:02 PM	50
11:45:12 PM	50
11:45:22 PM	51.2
11:45:32 PM	50.9
11:45:42 PM	54.1
11:45:52 PM	53.3
11:46:02 PM	51.5
11:46:12 PM	50.8
11:46:22 PM	51.5
11:46:32 PM	51.7
11:46:42 PM	52.8
11:46:52 PM	51.8
11:47:02 PM	51.4
11:47:12 PM	51.9
11:47:22 PM	50.1
11:47:32 PM	50.4
11:47:42 PM	50.5
11:47:52 PM	50.8
11:48:02 PM	49.5
11:48:12 PM	49.5
11:48:22 PM	50
11:48:32 PM	50.7
11:48:42 PM	51
11:48:52 PM	52.8
11:49:02 PM	52.3
11:49:12 PM	53.4
11:49:22 PM	50.3
11:49:32 PM	60.1
11:49:42 PM	56.2
11:49:52 PM	51.1
11:50:02 PM	52.2
11:50:12 PM	58.3
11:50:22 PM	63.5
11:50:32 PM	52
11:50:42 PM	50
11:50:52 PM	50.7
11:51:02 PM	50.1
11:51:12 PM	50.2
11:51:22 PM	50.5
11:51:32 PM	51.2
11:51:42 PM	55.3

53.0

Project: Buena Vista
 Location: R5
 Date: 4/8/2024

Time	Leq
11:21:09 AM	59.5
11:21:19 AM	57.2
11:21:29 AM	56.7
11:21:39 AM	54.9
11:21:49 AM	55.6
11:21:59 AM	52.9
11:22:09 AM	51.7
11:22:19 AM	53.4
11:22:29 AM	61.9
11:22:39 AM	58.1
11:22:49 AM	58.2
11:22:59 AM	59.8
11:23:09 AM	63.3
11:23:19 AM	57.3
11:23:29 AM	57.5
11:23:39 AM	56.1
11:23:49 AM	56.2
11:23:59 AM	60.9
11:24:09 AM	57.2
11:24:19 AM	58.3
11:24:29 AM	54.2
11:24:39 AM	60
11:24:49 AM	60.8
11:24:59 AM	60.7
11:25:09 AM	56.1
11:25:19 AM	55.7
11:25:29 AM	58.9
11:25:39 AM	60.5
11:25:49 AM	56.6
11:25:59 AM	56.4
11:26:09 AM	55.9
11:26:19 AM	55.6
11:26:29 AM	58.3
11:26:39 AM	55
11:26:49 AM	54.7
11:26:59 AM	57
11:27:09 AM	57.5
11:27:19 AM	60.5
11:27:29 AM	57.9
11:27:39 AM	57.3
11:27:49 AM	54.9
11:27:59 AM	54.3
11:28:09 AM	54.5

11:28:19 AM	54.2
11:28:29 AM	54
11:28:39 AM	54.1
11:28:49 AM	53.5
11:28:59 AM	54.1
11:29:09 AM	57.2
11:29:19 AM	53.3
11:29:29 AM	55.1
11:29:39 AM	54.2
11:29:49 AM	54.6
11:29:59 AM	57.4
11:30:09 AM	60
11:30:19 AM	54
11:30:29 AM	52.6
11:30:39 AM	53.8
11:30:49 AM	54.4
11:30:59 AM	54.8
11:31:09 AM	53
11:31:19 AM	54.5
11:31:29 AM	56.4
11:31:39 AM	54
11:31:49 AM	55.6
11:31:59 AM	55.3
11:32:09 AM	54.7
11:32:19 AM	55.2
11:32:29 AM	54.4
11:32:39 AM	52.1
11:32:49 AM	53.5
11:32:59 AM	56.8
11:33:09 AM	56.2
11:33:19 AM	54.1
11:33:29 AM	57.2
11:33:39 AM	60.1
11:33:49 AM	54.3
11:33:59 AM	55.5
11:34:09 AM	53.7
11:34:19 AM	53.8
11:34:29 AM	58.6
11:34:39 AM	55.5
11:34:49 AM	53.3
11:34:59 AM	55.4
11:35:09 AM	55.9
11:35:19 AM	56.5
11:35:29 AM	52.9
11:35:39 AM	55.2
11:35:49 AM	54.9
11:35:59 AM	54.3

56.8

Time	Leq
11:13:56 PM	52.9
11:14:06 PM	53
11:14:16 PM	53
11:14:26 PM	55.5
11:14:36 PM	52.6
11:14:46 PM	52.6
11:14:56 PM	53.4
11:15:06 PM	51.1
11:15:16 PM	51
11:15:26 PM	50.9
11:15:36 PM	52.3
11:15:46 PM	51.2
11:15:56 PM	52
11:16:06 PM	51.3
11:16:16 PM	52
11:16:26 PM	54.8
11:16:36 PM	55.1
11:16:46 PM	57.8
11:16:56 PM	52
11:17:06 PM	52.3
11:17:16 PM	51.2
11:17:26 PM	53.3
11:17:36 PM	51.2
11:17:46 PM	51.2
11:17:56 PM	66
11:18:06 PM	62.6
11:18:16 PM	56.1
11:18:26 PM	60.1
11:18:36 PM	51.5
11:18:46 PM	55.4
11:18:56 PM	50.5
11:19:06 PM	50.6
11:19:16 PM	50.8
11:19:26 PM	53.5
11:19:36 PM	52.4
11:19:46 PM	53.9
11:19:56 PM	53.8
11:20:06 PM	58.4
11:20:16 PM	62
11:20:26 PM	66.5
11:20:36 PM	57.5
11:20:46 PM	56.9
11:20:56 PM	57.7
11:21:06 PM	58.8
11:21:16 PM	63.5
11:21:26 PM	61.4

11:21:36 PM	53.4
11:21:46 PM	52.8
11:21:56 PM	52.6
11:22:06 PM	52.9
11:22:16 PM	61.8
11:22:26 PM	64.6
11:22:36 PM	53.1
11:22:46 PM	55.4
11:22:56 PM	51.6
11:23:06 PM	52
11:23:16 PM	57
11:23:26 PM	53.5
11:23:36 PM	53.6
11:23:46 PM	51.8
11:23:56 PM	50
11:24:06 PM	52.6
11:24:16 PM	55.6
11:24:26 PM	52.9
11:24:36 PM	53.4
11:24:46 PM	51.6
11:24:56 PM	52.9
11:25:06 PM	53.1
11:25:16 PM	52.4
11:25:26 PM	55
11:25:36 PM	55.5
11:25:46 PM	52.9
11:25:56 PM	52.6
11:26:06 PM	52.1
11:26:16 PM	49.6
11:26:26 PM	51.9
11:26:36 PM	54
11:26:46 PM	56.2
11:26:56 PM	51.5
11:27:06 PM	53.3
11:27:16 PM	51.9
11:27:26 PM	51.7
11:27:36 PM	51.4
11:27:46 PM	50.1
11:27:56 PM	51.6
11:28:06 PM	54.6
11:28:16 PM	55.9
11:28:26 PM	53.8
11:28:36 PM	54
11:28:46 PM	53.6

55.2

Project: Buena Vista
 Location: R6
 Date: 4/8/2024

Time	Leq
11:02:50 AM	59.9
11:03:00 AM	59
11:03:10 AM	63
11:03:20 AM	57.2
11:03:30 AM	63.2
11:03:40 AM	65.1
11:03:50 AM	64.9
11:04:00 AM	66.4
11:04:10 AM	58.5
11:04:20 AM	56.5
11:04:30 AM	65.8
11:04:40 AM	64.1
11:04:50 AM	54.5
11:05:00 AM	58.4
11:05:10 AM	64.6
11:05:20 AM	63.5
11:05:30 AM	65.5
11:05:40 AM	54.6
11:05:50 AM	62.8
11:06:00 AM	55
11:06:10 AM	61.5
11:06:20 AM	67.1
11:06:30 AM	68.2
11:06:40 AM	64.6
11:06:50 AM	72
11:07:00 AM	60.9
11:07:10 AM	51.5
11:07:20 AM	53.5
11:07:30 AM	62
11:07:40 AM	59.3
11:07:50 AM	51.6
11:08:00 AM	63
11:08:10 AM	63.4
11:08:20 AM	67.1
11:08:30 AM	64.3
11:08:40 AM	52.4
11:08:50 AM	59.6
11:09:00 AM	64.3
11:09:10 AM	60.1
11:09:20 AM	52.9
11:09:30 AM	64.6
11:09:40 AM	67.2
11:09:50 AM	62.7

11:10:00 AM	59.6
11:10:10 AM	53
11:10:20 AM	65.3
11:10:30 AM	62
11:10:40 AM	60.2
11:10:50 AM	67.7
11:11:00 AM	67.3
11:11:10 AM	62.8
11:11:20 AM	67.3
11:11:30 AM	59.5
11:11:40 AM	57.1
11:11:50 AM	64.6
11:12:00 AM	68.1
11:12:10 AM	70.3
11:12:20 AM	66
11:12:30 AM	57.3
11:12:40 AM	63.1
11:12:50 AM	61.4
11:13:00 AM	64.6
11:13:10 AM	57
11:13:20 AM	60.8
11:13:30 AM	52.9
11:13:40 AM	59.2
11:13:50 AM	55.7
11:14:00 AM	66.3
11:14:10 AM	68.6
11:14:20 AM	65.1
11:14:30 AM	62.2
11:14:40 AM	59.2
11:14:50 AM	66.1
11:15:00 AM	62
11:15:10 AM	60.8
11:15:20 AM	65.5
11:15:30 AM	66.7
11:15:40 AM	65.2
11:15:50 AM	66.3
11:16:00 AM	65.1
11:16:10 AM	66
11:16:20 AM	59.8
11:16:30 AM	58.6
11:16:40 AM	67.5
11:16:50 AM	72.2
11:17:00 AM	68.4
11:17:10 AM	68.5
11:17:20 AM	67.4
11:17:30 AM	64.7
11:17:40 AM	56.9

64.5

Time	Leq
10:54:58 PM	63.3
10:55:08 PM	61.4
10:55:18 PM	52.5
10:55:28 PM	55.6
10:55:38 PM	58.8
10:55:48 PM	61.4
10:55:58 PM	55.1
10:56:08 PM	59.3
10:56:18 PM	61.4
10:56:28 PM	51.9
10:56:38 PM	52.3
10:56:48 PM	65.4
10:56:58 PM	59.7
10:57:08 PM	66.7
10:57:18 PM	60.4
10:57:28 PM	52.9
10:57:38 PM	51.8
10:57:48 PM	52.2
10:57:58 PM	54
10:58:08 PM	63.6
10:58:18 PM	54.9
10:58:28 PM	60.6
10:58:38 PM	51.9
10:58:48 PM	58.2
10:58:58 PM	52.5
10:59:08 PM	50.6
10:59:18 PM	51
10:59:28 PM	51.5
10:59:38 PM	51.9
10:59:48 PM	58
10:59:58 PM	53.5
11:00:08 PM	51.9
11:00:18 PM	52.1
11:00:28 PM	56.2
11:00:38 PM	57.8
11:00:48 PM	54.4
11:00:58 PM	65.8
11:01:08 PM	63.6
11:01:18 PM	59.5
11:01:28 PM	52.3
11:01:38 PM	52
11:01:48 PM	59.7
11:01:58 PM	61.7
11:02:08 PM	52.9
11:02:18 PM	51.6
11:02:28 PM	50.9

11:02:38 PM	51.3
11:02:48 PM	57.4
11:02:58 PM	63.7
11:03:08 PM	59.7
11:03:18 PM	65.8
11:03:28 PM	62
11:03:38 PM	53.1
11:03:48 PM	52.5
11:03:58 PM	61.9
11:04:08 PM	54.9
11:04:18 PM	52.3
11:04:28 PM	55.6
11:04:38 PM	60.8
11:04:48 PM	55.1
11:04:58 PM	60.6
11:05:08 PM	52.3
11:05:18 PM	51.3
11:05:28 PM	50.7
11:05:38 PM	53.4
11:05:48 PM	60.8
11:05:58 PM	60.5
11:06:08 PM	64.8
11:06:18 PM	58.2
11:06:28 PM	58
11:06:38 PM	63
11:06:48 PM	63.7
11:06:58 PM	53.4
11:07:08 PM	61.1
11:07:18 PM	60.7
11:07:28 PM	82.8
11:07:38 PM	66.8
11:07:48 PM	54.7
11:07:58 PM	54.4
11:08:08 PM	56.9
11:08:18 PM	52.8
11:08:28 PM	61.4
11:08:38 PM	62.6
11:08:48 PM	56.6
11:08:58 PM	62.1
11:09:08 PM	65
11:09:18 PM	54.8
11:09:28 PM	52.4
11:09:38 PM	53.1
11:09:48 PM	63.5
<hr/>	
	59.8

Project: Buena Vista
 Location: R7
 Date: 4/8/2024

Time	Leq
10:42:24 AM	59.7
10:42:34 AM	54.4
10:42:44 AM	55.1
10:42:54 AM	63.4
10:43:04 AM	60.6
10:43:14 AM	64.8
10:43:24 AM	64.1
10:43:34 AM	59.7
10:43:44 AM	61.6
10:43:54 AM	61.6
10:44:04 AM	64.1
10:44:14 AM	61.7
10:44:24 AM	58.1
10:44:34 AM	57.7
10:44:44 AM	54.2
10:44:54 AM	59
10:45:04 AM	59.2
10:45:14 AM	60.5
10:45:24 AM	60.1
10:45:34 AM	57.8
10:45:44 AM	59.1
10:45:54 AM	61.4
10:46:04 AM	57.2
10:46:14 AM	62.8
10:46:24 AM	65.3
10:46:34 AM	54.5
10:46:44 AM	60.5
10:46:54 AM	64.6
10:47:04 AM	63.3
10:47:14 AM	62.9
10:47:24 AM	65.5
10:47:34 AM	66.2
10:47:44 AM	65.4
10:47:54 AM	60.4
10:48:04 AM	57
10:48:14 AM	61.5
10:48:24 AM	64.1
10:48:34 AM	59.9
10:48:44 AM	61.6
10:48:54 AM	61.1
10:49:04 AM	64.8
10:49:14 AM	55.6
10:49:24 AM	51.5

10:49:34 AM	53.1
10:49:44 AM	60.6
10:49:54 AM	60.9
10:50:04 AM	60.5
10:50:14 AM	58.8
10:50:24 AM	61.6
10:50:34 AM	59
10:50:44 AM	56
10:50:54 AM	53.1
10:51:04 AM	57.6
10:51:14 AM	58.7
10:51:24 AM	62.9
10:51:34 AM	64.3
10:51:44 AM	60.9
10:51:54 AM	63.5
10:52:04 AM	63.6
10:52:14 AM	56.8
10:52:24 AM	62.2
10:52:34 AM	53.7
10:52:44 AM	58.2
10:52:54 AM	63.1
10:53:04 AM	61.4
10:53:14 AM	60.7
10:53:24 AM	62.4
10:53:34 AM	70.8
10:53:44 AM	64.1
10:53:54 AM	51
10:54:04 AM	51.2
10:54:14 AM	61.8
10:54:24 AM	63.8
10:54:34 AM	63.7
10:54:44 AM	63.4
10:54:54 AM	51.6
10:55:04 AM	52.1
10:55:14 AM	57.4
10:55:24 AM	63.7
10:55:34 AM	59.5
10:55:44 AM	60.3
10:55:54 AM	64.3
10:56:04 AM	60
10:56:14 AM	57.7
10:56:24 AM	71.9
10:56:34 AM	68.5
10:56:44 AM	56.7
10:56:54 AM	57.2
10:57:04 AM	52.6
10:57:14 AM	53

62.2

Time	Leq
10:36:23 PM	51
10:36:33 PM	50.3
10:36:43 PM	49.6
10:36:53 PM	50.9
10:37:03 PM	52.2
10:37:13 PM	58.2
10:37:23 PM	58.2
10:37:33 PM	60.6
10:37:43 PM	57.4
10:37:53 PM	53.9
10:38:03 PM	57.6
10:38:13 PM	53
10:38:23 PM	53.3
10:38:33 PM	60
10:38:43 PM	54.2
10:38:53 PM	59.1
10:39:03 PM	57.4
10:39:13 PM	63.8
10:39:23 PM	61.7
10:39:33 PM	66.2
10:39:43 PM	54
10:39:53 PM	55.2
10:40:03 PM	58.5
10:40:13 PM	51
10:40:23 PM	49.9
10:40:33 PM	51.2
10:40:43 PM	64.7
10:40:53 PM	60.7
10:41:03 PM	52.8
10:41:13 PM	51.3
10:41:23 PM	57.2
10:41:33 PM	66.2
10:41:43 PM	62.8
10:41:53 PM	55.3
10:42:03 PM	50.9
10:42:13 PM	50.9
10:42:23 PM	51.3
10:42:33 PM	51.5
10:42:43 PM	56
10:42:53 PM	54.3
10:43:03 PM	53.2
10:43:13 PM	63.2
10:43:23 PM	64.3
10:43:33 PM	53
10:43:43 PM	54.8
10:43:53 PM	59

10:44:03 PM	63.1
10:44:13 PM	57.4
10:44:23 PM	53.9
10:44:33 PM	54.1
10:44:43 PM	53.7
10:44:53 PM	62.3
10:45:03 PM	58.2
10:45:13 PM	58
10:45:23 PM	52.1
10:45:33 PM	53.8
10:45:43 PM	60.3
10:45:53 PM	60.3
10:46:03 PM	54.6
10:46:13 PM	56.1
10:46:23 PM	54.2
10:46:33 PM	55
10:46:43 PM	62.4
10:46:53 PM	71.8
10:47:03 PM	65.8
10:47:13 PM	58
10:47:23 PM	55.8
10:47:33 PM	57.5
10:47:43 PM	50.8
10:47:53 PM	52.9
10:48:03 PM	56.6
10:48:13 PM	55.6
10:48:23 PM	52
10:48:33 PM	51.6
10:48:43 PM	58.7
10:48:53 PM	56.4
10:49:03 PM	62.5
10:49:13 PM	53.7
10:49:23 PM	52.5
10:49:33 PM	55
10:49:43 PM	55.5
10:49:53 PM	51.3
10:50:03 PM	51.2
10:50:13 PM	59.7
10:50:23 PM	54.3
10:50:33 PM	59.7
10:50:43 PM	55.5
10:50:53 PM	53.4
10:51:03 PM	52.2
10:51:13 PM	50.4

58.4

Project: Buena Vista
 Location: R9
 Date: 4/8/2024

Time	Leq
10:22:29 AM	65.2
10:22:39 AM	61
10:22:49 AM	54.9
10:22:59 AM	47.3
10:23:09 AM	56.7
10:23:19 AM	50.4
10:23:29 AM	57.3
10:23:39 AM	59.5
10:23:49 AM	63.5
10:23:59 AM	55.5
10:24:09 AM	58
10:24:19 AM	65
10:24:29 AM	65.5
10:24:39 AM	56.8
10:24:49 AM	56.5
10:24:59 AM	64.3
10:25:09 AM	48.6
10:25:19 AM	58
10:25:29 AM	66.5
10:25:39 AM	62.9
10:25:49 AM	63.9
10:25:59 AM	50.6
10:26:09 AM	57.3
10:26:19 AM	67.7
10:26:29 AM	56.8
10:26:39 AM	62.8
10:26:49 AM	64.4
10:26:59 AM	67.7
10:27:09 AM	62
10:27:19 AM	59.5
10:27:29 AM	55.5
10:27:39 AM	56.9
10:27:49 AM	51.8
10:27:59 AM	55
10:28:09 AM	59.9
10:28:19 AM	49.3
10:28:29 AM	64.1
10:28:39 AM	54.6
10:28:49 AM	49.8
10:28:59 AM	53.8
10:29:09 AM	52.5
10:29:19 AM	58.6
10:29:29 AM	56.3

10:29:39 AM	64
10:29:49 AM	49.2
10:29:59 AM	50.6
10:30:09 AM	52.5
10:30:19 AM	58.8
10:30:29 AM	57.3
10:30:39 AM	71.9
10:30:49 AM	64.1
10:30:59 AM	60.6
10:31:09 AM	57.8
10:31:19 AM	64.1
10:31:29 AM	66.4
10:31:39 AM	58.9
10:31:49 AM	58.5
10:31:59 AM	62.6
10:32:09 AM	59.9
10:32:19 AM	66.3
10:32:29 AM	59.6
10:32:39 AM	62.7
10:32:49 AM	63.3
10:32:59 AM	60.3
10:33:09 AM	63.8
10:33:19 AM	53.6
10:33:29 AM	60.7
10:33:39 AM	60.9
10:33:49 AM	67.3
10:33:59 AM	57.9
10:34:09 AM	51.5
10:34:19 AM	53.3
10:34:29 AM	55.3
10:34:39 AM	67.9
10:34:49 AM	64.5
10:34:59 AM	66.7
10:35:09 AM	56.5
10:35:19 AM	53.7
10:35:29 AM	52.8
10:35:39 AM	52.1
10:35:49 AM	53.5
10:35:59 AM	66.2
10:36:09 AM	63.9
10:36:19 AM	61.6
10:36:29 AM	58.8
10:36:39 AM	62.1
10:36:49 AM	73.1
10:36:59 AM	61.9
10:37:09 AM	62.8
10:37:19 AM	54.5

62.6

Time	Leq
10:17:10 PM	48.9
10:17:20 PM	46.1
10:17:30 PM	44.7
10:17:40 PM	44.8
10:17:50 PM	64.7
10:18:00 PM	58
10:18:10 PM	51.2
10:18:20 PM	46
10:18:30 PM	46.2
10:18:40 PM	46.5
10:18:50 PM	54.7
10:19:00 PM	50.3
10:19:10 PM	45.4
10:19:20 PM	45.8
10:19:30 PM	46
10:19:40 PM	64.6
10:19:50 PM	59.3
10:20:00 PM	47.1
10:20:10 PM	64.9
10:20:20 PM	47.1
10:20:30 PM	46.9
10:20:40 PM	50.2
10:20:50 PM	62.9
10:21:00 PM	47.6
10:21:10 PM	48.5
10:21:20 PM	56.2
10:21:30 PM	47.2
10:21:40 PM	46.5
10:21:50 PM	63.2
10:22:00 PM	59.2
10:22:10 PM	48.2
10:22:20 PM	49
10:22:30 PM	57
10:22:40 PM	53.2
10:22:50 PM	59.8
10:23:00 PM	48.3
10:23:10 PM	46.9
10:23:20 PM	44.8
10:23:30 PM	44.8
10:23:40 PM	45.5
10:23:50 PM	47.1
10:24:00 PM	47.9
10:24:10 PM	45.8
10:24:20 PM	49.5
10:24:30 PM	49.7
10:24:40 PM	45.7

10:24:50 PM	44.2
10:25:00 PM	43.9
10:25:10 PM	45
10:25:20 PM	48.5
10:25:30 PM	45.5
10:25:40 PM	45.7
10:25:50 PM	45.3
10:26:00 PM	47
10:26:10 PM	52.8
10:26:20 PM	64.4
10:26:30 PM	47.6
10:26:40 PM	50.2
10:26:50 PM	50.8
10:27:00 PM	45.9
10:27:10 PM	62.6
10:27:20 PM	48.3
10:27:30 PM	45.6
10:27:40 PM	46.7
10:27:50 PM	47.3
10:28:00 PM	47.7
10:28:10 PM	57.4
10:28:20 PM	50.9
10:28:30 PM	61.6
10:28:40 PM	59.9
10:28:50 PM	54.8
10:29:00 PM	45.7
10:29:10 PM	47.2
10:29:20 PM	53.6
10:29:30 PM	59.1
10:29:40 PM	55.3
10:29:50 PM	56.1
10:30:00 PM	48.3
10:30:10 PM	45.5
10:30:20 PM	45.4
10:30:30 PM	46
10:30:40 PM	46.1
10:30:50 PM	48.2
10:31:00 PM	47.8
10:31:10 PM	60.9
10:31:20 PM	58.8
10:31:30 PM	58.2
10:31:40 PM	46.3
10:31:50 PM	45.4
10:32:00 PM	46.9
	55.7

Project: Buena Vista
 Location: R10
 Date: 4/8/2024

Time	Leq
10:04:06 AM	64.2
10:04:16 AM	60.2
10:04:26 AM	62.8
10:04:36 AM	69
10:04:46 AM	65.3
10:04:56 AM	53.5
10:05:06 AM	70
10:05:16 AM	70.2
10:05:26 AM	63
10:05:36 AM	68.5
10:05:46 AM	65.7
10:05:56 AM	65.1
10:06:06 AM	71.3
10:06:16 AM	73.1
10:06:26 AM	68.7
10:06:36 AM	57.2
10:06:46 AM	66.3
10:06:56 AM	66.5
10:07:06 AM	68.5
10:07:16 AM	66.5
10:07:26 AM	66.8
10:07:36 AM	69.5
10:07:46 AM	66.3
10:07:56 AM	70.9
10:08:06 AM	66.8
10:08:16 AM	61.2
10:08:26 AM	63.3
10:08:36 AM	63.2
10:08:46 AM	63.9
10:08:56 AM	70.5
10:09:06 AM	69.3
10:09:16 AM	65.1
10:09:26 AM	73.1
10:09:36 AM	69.6
10:09:46 AM	70.5
10:09:56 AM	67.7
10:10:06 AM	59.9
10:10:16 AM	59.1
10:10:26 AM	65.6
10:10:36 AM	71.5
10:10:46 AM	70
10:10:56 AM	72.3
10:11:06 AM	67.3

10:11:16 AM	68.4
10:11:26 AM	63.9
10:11:36 AM	68.6
10:11:46 AM	68
10:11:56 AM	68
10:12:06 AM	69
10:12:16 AM	69.6
10:12:26 AM	69.7
10:12:36 AM	67.7
10:12:46 AM	67.4
10:12:56 AM	65.9
10:13:06 AM	67.9
10:13:16 AM	62.8
10:13:26 AM	67.8
10:13:36 AM	70.4
10:13:46 AM	72.6
10:13:56 AM	71.1
10:14:06 AM	65.3
10:14:16 AM	63.1
10:14:26 AM	51.2
10:14:36 AM	61.2
10:14:46 AM	68
10:14:56 AM	64.9
10:15:06 AM	65.4
10:15:16 AM	69.7
10:15:26 AM	69.1
10:15:36 AM	61.5
10:15:46 AM	69.8
10:15:56 AM	65.4
10:16:06 AM	71.2
10:16:16 AM	66.7
10:16:26 AM	66.8
10:16:36 AM	70.1
10:16:46 AM	73.5
10:16:56 AM	66.2
10:17:06 AM	63.5
10:17:16 AM	63.8
10:17:26 AM	67.7
10:17:36 AM	68.5
10:17:46 AM	65
10:17:56 AM	69.1
10:18:06 AM	80.1
10:18:16 AM	68.2
10:18:26 AM	63.2
10:18:36 AM	64.9
10:18:46 AM	64.6
10:18:56 AM	66.2

68.7

Time	Leq
9:58:40 PM	60
9:58:50 PM	54.7
9:59:00 PM	50.8
9:59:10 PM	49.5
9:59:20 PM	62.7
9:59:30 PM	62
9:59:40 PM	63.5
9:59:50 PM	60.4
10:00:00 PM	56.3
10:00:10 PM	56.2
10:00:20 PM	61.7
10:00:30 PM	61
10:00:40 PM	60.5
10:00:50 PM	63.7
10:01:00 PM	57.2
10:01:10 PM	53.4
10:01:20 PM	57.3
10:01:30 PM	66
10:01:40 PM	65.5
10:01:50 PM	57.4
10:02:00 PM	60.7
10:02:10 PM	57.9
10:02:20 PM	61.2
10:02:30 PM	63.7
10:02:40 PM	57.5
10:02:50 PM	51.5
10:03:00 PM	50
10:03:10 PM	60.5
10:03:20 PM	64.1
10:03:30 PM	55.5
10:03:40 PM	62.5
10:03:50 PM	52.8
10:04:00 PM	66.8
10:04:10 PM	64.7
10:04:20 PM	71.3
10:04:30 PM	65.6
10:04:40 PM	57.3
10:04:50 PM	60.8
10:05:00 PM	63.1
10:05:10 PM	58.7
10:05:20 PM	54.6
10:05:30 PM	66.4
10:05:40 PM	52.8
10:05:50 PM	62.5
10:06:00 PM	61.5
10:06:10 PM	57.9

10:06:20 PM	46.9
10:06:30 PM	53.1
10:06:40 PM	58.3
10:06:50 PM	58.2
10:07:00 PM	60.1
10:07:10 PM	48
10:07:20 PM	63.7
10:07:30 PM	62.4
10:07:40 PM	53.3
10:07:50 PM	59.3
10:08:00 PM	52.4
10:08:10 PM	63.4
10:08:20 PM	66.8
10:08:30 PM	60.8
10:08:40 PM	49.6
10:08:50 PM	54.4
10:09:00 PM	58.5
10:09:10 PM	62.9
10:09:20 PM	58.9
10:09:30 PM	51.6
10:09:40 PM	50.1
10:09:50 PM	53.9
10:10:00 PM	67
10:10:10 PM	63.1
10:10:20 PM	56.7
10:10:30 PM	63.6
10:10:40 PM	59.2
10:10:50 PM	62.5
10:11:00 PM	61
10:11:10 PM	57.7
10:11:20 PM	51.9
10:11:30 PM	50.4
10:11:40 PM	53.8
10:11:50 PM	58.6
10:12:00 PM	56.7
10:12:10 PM	55
10:12:20 PM	63.5
10:12:30 PM	69
10:12:40 PM	58.2
10:12:50 PM	57.8
10:13:00 PM	52.9
10:13:10 PM	56.1
10:13:20 PM	61
10:13:30 PM	65.8
<hr/>	
	61.6

Project: Buena Vista
 Location: R11
 Date: 4/9/2024

Time	Leq
10:05:35 AM	64.1
10:05:45 AM	67.3
10:05:55 AM	68.1
10:06:05 AM	68
10:06:15 AM	62.5
10:06:25 AM	61.9
10:06:35 AM	63.8
10:06:45 AM	60.7
10:06:55 AM	63.4
10:07:05 AM	63.7
10:07:15 AM	67.1
10:07:25 AM	63.9
10:07:35 AM	64
10:07:45 AM	55.4
10:07:55 AM	60.6
10:08:05 AM	59.8
10:08:15 AM	52.9
10:08:25 AM	65.8
10:08:35 AM	67.4
10:08:45 AM	65.7
10:08:55 AM	62.8
10:09:05 AM	64.9
10:09:15 AM	63
10:09:25 AM	61.5
10:09:35 AM	52.4
10:09:45 AM	52.6
10:09:55 AM	61.2
10:10:05 AM	65.2
10:10:15 AM	69.8
10:10:25 AM	68.8
10:10:35 AM	69.3
10:10:45 AM	57.3
10:10:55 AM	63.3
10:11:05 AM	58.3
10:11:15 AM	59.5
10:11:25 AM	63.4
10:11:35 AM	70.6
10:11:45 AM	69.3
10:11:55 AM	57.5
10:12:05 AM	60
10:12:15 AM	54.2
10:12:25 AM	61
10:12:35 AM	58.6

10:12:45 AM	60.3
10:12:55 AM	59.8
10:13:05 AM	60.3
10:13:15 AM	67
10:13:25 AM	65.9
10:13:35 AM	59
10:13:45 AM	54.2
10:13:55 AM	57.3
10:14:05 AM	56.8
10:14:15 AM	57.7
10:14:25 AM	52.8
10:14:35 AM	52.2
10:14:45 AM	61.7
10:14:55 AM	60.2
10:15:05 AM	52.2
10:15:15 AM	57.8
10:15:25 AM	60
10:15:35 AM	62.6
10:15:45 AM	57.9
10:15:55 AM	60.5
10:16:05 AM	58.9
10:16:15 AM	58.1
10:16:25 AM	49.7
10:16:35 AM	54.7
10:16:45 AM	60.2
10:16:55 AM	52.5
10:17:05 AM	62.8
10:17:15 AM	64.1
10:17:25 AM	65.1
10:17:35 AM	64.3
10:17:45 AM	60.1
10:17:55 AM	57.1
10:18:05 AM	59.1
10:18:15 AM	56
10:18:25 AM	57.1
10:18:35 AM	56.5
10:18:45 AM	57.5
10:18:55 AM	65.6
10:19:05 AM	61.3
10:19:15 AM	63.4
10:19:25 AM	60.9
10:19:35 AM	63.4
10:19:45 AM	62.7
10:19:55 AM	59.3
10:20:05 AM	63.5
10:20:15 AM	67.7
10:20:25 AM	64.2

63.3

Time	Leq
10:17:21 PM	51
10:17:31 PM	50.6
10:17:41 PM	57.5
10:17:51 PM	70.4
10:18:01 PM	63.5
10:18:11 PM	61.3
10:18:21 PM	54.3
10:18:31 PM	50.8
10:18:41 PM	51.5
10:18:51 PM	55
10:19:01 PM	63.2
10:19:11 PM	61.2
10:19:21 PM	58.8
10:19:31 PM	60.9
10:19:41 PM	54.5
10:19:51 PM	50.7
10:20:01 PM	56.4
10:20:11 PM	63.1
10:20:21 PM	60.9
10:20:31 PM	54.3
10:20:41 PM	58.6
10:20:51 PM	53.5
10:21:01 PM	54.2
10:21:11 PM	62
10:21:21 PM	59.4
10:21:31 PM	62.4
10:21:41 PM	67
10:21:51 PM	58.6
10:22:01 PM	55
10:22:11 PM	53.1
10:22:21 PM	51.7
10:22:31 PM	51.3
10:22:41 PM	51.5
10:22:51 PM	51.7
10:23:01 PM	51.4
10:23:11 PM	51
10:23:21 PM	58.3
10:23:31 PM	63.6
10:23:41 PM	53.2
10:23:51 PM	62.8
10:24:01 PM	61.9
10:24:11 PM	60
10:24:21 PM	51.8
10:24:31 PM	52.6
10:24:41 PM	51.7
10:24:51 PM	53.2

10:25:01 PM	66.3
10:25:11 PM	60.4
10:25:21 PM	60.8
10:25:31 PM	52.4
10:25:41 PM	52.6
10:25:51 PM	56
10:26:01 PM	57.4
10:26:11 PM	55.9
10:26:21 PM	60
10:26:31 PM	55.2
10:26:41 PM	57.9
10:26:51 PM	53.8
10:27:01 PM	53.9
10:27:11 PM	56.9
10:27:21 PM	63.1
10:27:31 PM	67.7
10:27:41 PM	61.5
10:27:51 PM	52.8
10:28:01 PM	50.7
10:28:11 PM	57.9
10:28:21 PM	61
10:28:31 PM	52.5
10:28:41 PM	62
10:28:51 PM	63.5
10:29:01 PM	60.7
10:29:11 PM	57.7
10:29:21 PM	52.8
10:29:31 PM	63.7
10:29:41 PM	61.6
10:29:51 PM	55
10:30:01 PM	58.8
10:30:11 PM	62.1
10:30:21 PM	51.6
10:30:31 PM	53
10:30:41 PM	54.8
10:30:51 PM	62.1
10:31:01 PM	51.7
10:31:11 PM	51.1
10:31:21 PM	51
10:31:31 PM	51.9
10:31:41 PM	55.5
10:31:51 PM	59.9
10:32:01 PM	61.2
10:32:11 PM	59

59.9

Project: Buena Vista
 Location: R12
 Date: 4/9/2024

Time	Leq
10:53:10 AM	60.8
10:53:20 AM	59.7
10:53:30 AM	58.9
10:53:40 AM	58.4
10:53:50 AM	59.3
10:54:00 AM	58.4
10:54:10 AM	54.2
10:54:20 AM	55.7
10:54:30 AM	54.5
10:54:40 AM	56.4
10:54:50 AM	57.5
10:55:00 AM	53.3
10:55:10 AM	56.8
10:55:20 AM	54.9
10:55:30 AM	53.4
10:55:40 AM	55.9
10:55:50 AM	52.3
10:56:00 AM	55.2
10:56:10 AM	53.5
10:56:20 AM	56.1
10:56:30 AM	53.5
10:56:40 AM	56.7
10:56:50 AM	53.5
10:57:00 AM	57
10:57:10 AM	57.9
10:57:20 AM	58.5
10:57:30 AM	52.9
10:57:40 AM	57.5
10:57:50 AM	75.9
10:58:00 AM	56
10:58:10 AM	53.8
10:58:20 AM	52.1
10:58:30 AM	54
10:58:40 AM	55.3
10:58:50 AM	56.4
10:59:00 AM	56.5
10:59:10 AM	51.6
10:59:20 AM	52.5
10:59:30 AM	48.2
10:59:40 AM	44.1
10:59:50 AM	45.6
11:00:00 AM	52.8
11:00:10 AM	61.9

11:00:20 AM	72.6
11:00:30 AM	67.9
11:00:40 AM	50.4
11:00:50 AM	47.7
11:01:00 AM	47.7
11:01:10 AM	45
11:01:20 AM	44
11:01:30 AM	45.5
11:01:40 AM	46.5
11:01:50 AM	46.6
11:02:00 AM	49
11:02:10 AM	49
11:02:20 AM	48.9
11:02:30 AM	49
11:02:40 AM	50.7
11:02:50 AM	53.8
11:03:00 AM	55.8
11:03:10 AM	56.6
11:03:20 AM	47.6
11:03:30 AM	46.3
11:03:40 AM	47.4
11:03:50 AM	47
11:04:00 AM	45.4
11:04:10 AM	46
11:04:20 AM	46.5
11:04:30 AM	47.4
11:04:40 AM	47.1
11:04:50 AM	44.7
11:05:00 AM	44.7
11:05:10 AM	45.2
11:05:20 AM	45.6
11:05:30 AM	47.5
11:05:40 AM	46.3
11:05:50 AM	46.4
11:06:00 AM	45.7
11:06:10 AM	48.3
11:06:20 AM	48.7
11:06:30 AM	50.5
11:06:40 AM	72.9
11:06:50 AM	58.7
11:07:00 AM	50.4
11:07:10 AM	48.5
11:07:20 AM	48.5
11:07:30 AM	48.6
11:07:40 AM	48.9
11:07:50 AM	48.3
11:08:00 AM	49.4

60.6

Time	Leq
10:55:41 PM	50.9
10:55:51 PM	50.8
10:56:01 PM	51.2
10:56:11 PM	51.7
10:56:21 PM	50.6
10:56:31 PM	49.9
10:56:41 PM	50.1
10:56:51 PM	50.4
10:57:01 PM	51.3
10:57:11 PM	51.4
10:57:21 PM	51.5
10:57:31 PM	51.2
10:57:41 PM	50
10:57:51 PM	50.1
10:58:01 PM	50.5
10:58:11 PM	51.1
10:58:21 PM	53.8
10:58:31 PM	52.6
10:58:41 PM	51.7
10:58:51 PM	51.1
10:59:01 PM	52.2
10:59:11 PM	52.1
10:59:21 PM	52.3
10:59:31 PM	51.7
10:59:41 PM	52.1
10:59:51 PM	52
11:00:01 PM	51.8
11:00:11 PM	51.8
11:00:21 PM	51.8
11:00:31 PM	51.6
11:00:41 PM	51.8
11:00:51 PM	51.9
11:01:01 PM	52.1
11:01:11 PM	51.1
11:01:21 PM	50.6
11:01:31 PM	51
11:01:41 PM	51.9
11:01:51 PM	50.7
11:02:01 PM	52.7
11:02:11 PM	51.7
11:02:21 PM	53.3
11:02:31 PM	53.1
11:02:41 PM	51.5
11:02:51 PM	51.1
11:03:01 PM	52.3
11:03:11 PM	50.9

11:03:21 PM	51.9
11:03:31 PM	51.9
11:03:41 PM	52.4
11:03:51 PM	54.6
11:04:01 PM	53.8
11:04:11 PM	54.5
11:04:21 PM	57.5
11:04:31 PM	65.1
11:04:41 PM	64.4
11:04:51 PM	55.9
11:05:01 PM	52.3
11:05:11 PM	53.3
11:05:21 PM	52.9
11:05:31 PM	51
11:05:41 PM	49.5
11:05:51 PM	50.2
11:06:01 PM	51.7
11:06:11 PM	51.7
11:06:21 PM	51.5
11:06:31 PM	59.4
11:06:41 PM	50.3
11:06:51 PM	50.6
11:07:01 PM	53.7
11:07:11 PM	50.7
11:07:21 PM	51
11:07:31 PM	52.2
11:07:41 PM	50.5
11:07:51 PM	50.4
11:08:01 PM	50.9
11:08:11 PM	51.2
11:08:21 PM	55.5
11:08:31 PM	56.5
11:08:41 PM	53.9
11:08:51 PM	54.4
11:09:01 PM	53.5
11:09:11 PM	52.7
11:09:21 PM	52.6
11:09:31 PM	57.6
11:09:41 PM	59.5
11:09:51 PM	51.7
11:10:01 PM	51.7
11:10:11 PM	52.8
11:10:21 PM	52.6
11:10:31 PM	52.4

54.0

Project: Buena Vista
 Location: R13
 Date: 4/9/2024

Time	Leq
11:16:17 AM	55.3
11:16:27 AM	51.3
11:16:37 AM	50.3
11:16:47 AM	52.7
11:16:57 AM	49.1
11:17:07 AM	48.3
11:17:17 AM	50
11:17:27 AM	49
11:17:37 AM	49.8
11:17:47 AM	48.8
11:17:57 AM	48.8
11:18:07 AM	49.1
11:18:17 AM	51.5
11:18:27 AM	58.5
11:18:37 AM	57.7
11:18:47 AM	47.6
11:18:57 AM	47.9
11:19:07 AM	48.6
11:19:17 AM	48.7
11:19:27 AM	48.7
11:19:37 AM	47.3
11:19:47 AM	47.6
11:19:57 AM	50.6
11:20:07 AM	50.2
11:20:17 AM	48.9
11:20:27 AM	49.3
11:20:37 AM	48.7
11:20:47 AM	46.4
11:20:57 AM	47
11:21:07 AM	49.3
11:21:17 AM	49.9
11:21:27 AM	50.8
11:21:37 AM	48.4
11:21:47 AM	48.9
11:21:57 AM	48.9
11:22:07 AM	50.3
11:22:17 AM	50.8
11:22:27 AM	52
11:22:37 AM	63.4
11:22:47 AM	64.1
11:22:57 AM	68.3
11:23:07 AM	69.7
11:23:17 AM	54.6

11:23:27 AM	50.2
11:23:37 AM	48.5
11:23:47 AM	48
11:23:57 AM	47.6
11:24:07 AM	49.2
11:24:17 AM	51.3
11:24:27 AM	53.8
11:24:37 AM	51.7
11:24:47 AM	47.9
11:24:57 AM	49.3
11:25:07 AM	48.6
11:25:17 AM	47.8
11:25:27 AM	46.4
11:25:37 AM	48.7
11:25:47 AM	52.3
11:25:57 AM	51
11:26:07 AM	49
11:26:17 AM	50
11:26:27 AM	50
11:26:37 AM	49.2
11:26:47 AM	49.2
11:26:57 AM	48.5
11:27:07 AM	49.1
11:27:17 AM	50.5
11:27:27 AM	49.8
11:27:37 AM	50.3
11:27:47 AM	48.4
11:27:57 AM	49.7
11:28:07 AM	49.4
11:28:17 AM	48.2
11:28:27 AM	48.1
11:28:37 AM	51.5
11:28:47 AM	53.7
11:28:57 AM	57.9
11:29:07 AM	71.9
11:29:17 AM	55
11:29:27 AM	46.8
11:29:37 AM	47.5
11:29:47 AM	48.6
11:29:57 AM	48.6
11:30:07 AM	48.4
11:30:17 AM	49.5
11:30:27 AM	51.7
11:30:37 AM	53.9
11:30:47 AM	51.1
11:30:57 AM	50.1
11:31:07 AM	51.1

57.2

Time	Leq
11:20:12 PM	55.5
11:20:22 PM	54.9
11:20:32 PM	54.6
11:20:42 PM	53
11:20:52 PM	53.6
11:21:02 PM	54.1
11:21:12 PM	53.5
11:21:22 PM	53.1
11:21:32 PM	54.4
11:21:42 PM	53.1
11:21:52 PM	54.3
11:22:02 PM	56.7
11:22:12 PM	54.9
11:22:22 PM	53.4
11:22:32 PM	53.3
11:22:42 PM	52.6
11:22:52 PM	52.5
11:23:02 PM	52.3
11:23:12 PM	53.7
11:23:22 PM	54.7
11:23:32 PM	52.2
11:23:42 PM	54.8
11:23:52 PM	54
11:24:02 PM	50.7
11:24:12 PM	50.5
11:24:22 PM	50.9
11:24:32 PM	51.9
11:24:42 PM	51.3
11:24:52 PM	52.5
11:25:02 PM	54.5
11:25:12 PM	51.9
11:25:22 PM	51.9
11:25:32 PM	53.1
11:25:42 PM	54.4
11:25:52 PM	51.1
11:26:02 PM	50.5
11:26:12 PM	50.1
11:26:22 PM	60.4
11:26:32 PM	57.4
11:26:42 PM	49.2
11:26:52 PM	49
11:27:02 PM	51.8
11:27:12 PM	49.3
11:27:22 PM	52
11:27:32 PM	50.6
11:27:42 PM	52.8

11:27:52 PM	50.6
11:28:02 PM	48.8
11:28:12 PM	47.5
11:28:22 PM	47.2
11:28:32 PM	52.2
11:28:42 PM	50.1
11:28:52 PM	49
11:29:02 PM	50.5
11:29:12 PM	49.8
11:29:22 PM	51
11:29:32 PM	49.6
11:29:42 PM	50.5
11:29:52 PM	49.3
11:30:02 PM	48.9
11:30:12 PM	48.5
11:30:22 PM	50.1
11:30:32 PM	50.3
11:30:42 PM	49.6
11:30:52 PM	48.9
11:31:02 PM	48.9
11:31:12 PM	49.7
11:31:22 PM	49.5
11:31:32 PM	48.7
11:31:42 PM	48.4
11:31:52 PM	48.9
11:32:02 PM	50.8
11:32:12 PM	49.8
11:32:22 PM	48.2
11:32:32 PM	48
11:32:42 PM	49.1
11:32:52 PM	48.1
11:33:02 PM	48.3
11:33:12 PM	50.6
11:33:22 PM	49.2
11:33:32 PM	50.8
11:33:42 PM	48.6
11:33:52 PM	56.4
11:34:02 PM	60.7
11:34:12 PM	50.4
11:34:22 PM	52.1
11:34:32 PM	49.4
11:34:42 PM	48.5
11:34:52 PM	49.4
11:35:02 PM	51

52.5

Project: Buena Vista
 Location: R14
 Date: 4/8/2024

Time	Leq
12:19:52 PM	55.5
12:20:02 PM	69.2
12:20:12 PM	69.1
12:20:22 PM	71
12:20:32 PM	72.1
12:20:42 PM	63.3
12:20:52 PM	57.3
12:21:02 PM	61.6
12:21:12 PM	62.2
12:21:22 PM	63.2
12:21:32 PM	69
12:21:42 PM	68.1
12:21:52 PM	66.1
12:22:02 PM	65.9
12:22:12 PM	67
12:22:22 PM	64.9
12:22:32 PM	61.2
12:22:42 PM	62.5
12:22:52 PM	62.6
12:23:02 PM	68.9
12:23:12 PM	67.7
12:23:22 PM	71.1
12:23:32 PM	67.9
12:23:42 PM	62.8
12:23:52 PM	60.3
12:24:02 PM	61.6
12:24:12 PM	65.8
12:24:22 PM	63.5
12:24:32 PM	68.4
12:24:42 PM	69.2
12:24:52 PM	67.3
12:25:02 PM	70.7
12:25:12 PM	65.5
12:25:22 PM	61.2
12:25:32 PM	61.7
12:25:42 PM	59.3
12:25:52 PM	58.8
12:26:02 PM	69.2
12:26:12 PM	71.1
12:26:22 PM	69.5
12:26:32 PM	68.1
12:26:42 PM	64.6
12:26:52 PM	62.8

12:27:02 PM	67.9
12:27:12 PM	67.6
12:27:22 PM	64.7
12:27:32 PM	70.3
12:27:42 PM	72.1
12:27:52 PM	69.1
12:28:02 PM	59.5
12:28:12 PM	60.8
12:28:22 PM	64.9
12:28:32 PM	62.2
12:28:42 PM	60.8
12:28:52 PM	57.8
12:29:02 PM	70.2
12:29:12 PM	69.9
12:29:22 PM	75.4
12:29:32 PM	70.7
12:29:42 PM	62.6
12:29:52 PM	59.4
12:30:02 PM	62.1
12:30:12 PM	62.2
12:30:22 PM	61.8
12:30:32 PM	72.1
12:30:42 PM	71.4
12:30:52 PM	66.4
12:31:02 PM	67.3
12:31:12 PM	68.3
12:31:22 PM	67.5
12:31:32 PM	63.5
12:31:42 PM	64.2
12:31:52 PM	64.2
12:32:02 PM	66.7
12:32:12 PM	69.3
12:32:22 PM	68.4
12:32:32 PM	68.3
12:32:42 PM	64.8
12:32:52 PM	69.4
12:33:02 PM	61.1
12:33:12 PM	59.8
12:33:22 PM	62.7
12:33:32 PM	69.4
12:33:42 PM	73.1
12:33:52 PM	70.3
12:34:02 PM	76.1
12:34:12 PM	74.4
12:34:22 PM	66.9
12:34:32 PM	63.8
12:34:42 PM	64.3

68.0

Time	Leq
11:51:57 PM	65.2
11:52:07 PM	60.8
11:52:17 PM	65.6
11:52:27 PM	67
11:52:37 PM	61.3
11:52:47 PM	59.4
11:52:57 PM	58.9
11:53:07 PM	52
11:53:17 PM	51.9
11:53:27 PM	57.3
11:53:37 PM	60.3
11:53:47 PM	65
11:53:57 PM	61.3
11:54:07 PM	61.2
11:54:17 PM	61.6
11:54:27 PM	57.3
11:54:37 PM	59.9
11:54:47 PM	54.2
11:54:57 PM	55.6
11:55:07 PM	53.3
11:55:17 PM	55.7
11:55:27 PM	52.4
11:55:37 PM	57
11:55:47 PM	65.3
11:55:57 PM	53.5
11:56:07 PM	51.9
11:56:17 PM	50.9
11:56:27 PM	53.3
11:56:37 PM	60.8
11:56:47 PM	54.1
11:56:57 PM	59.8
11:57:07 PM	51.9
11:57:17 PM	51
11:57:27 PM	54.6
11:57:37 PM	59.4
11:57:47 PM	53.3
11:57:57 PM	54.4
11:58:07 PM	59.8
11:58:17 PM	51.3
11:58:27 PM	51.4
11:58:37 PM	53.2
11:58:47 PM	53
11:58:57 PM	52.9
11:59:07 PM	59.6
11:59:17 PM	63.3
11:59:27 PM	61.1

11:59:37 PM	58.8
11:59:47 PM	52.1
11:59:57 PM	59.5
12:00:07 AM	57.4
12:00:17 AM	61.7
12:00:27 AM	58.2
12:00:37 AM	51.3
12:00:47 AM	50.4
12:00:57 AM	50
12:01:07 AM	53
12:01:17 AM	57.7
12:01:27 AM	53.2
12:01:37 AM	51.6
12:01:47 AM	57.6
12:01:57 AM	60.7
12:02:07 AM	54.8
12:02:17 AM	60.6
12:02:27 AM	57.5
12:02:37 AM	60.4
12:02:47 AM	62.3
12:02:57 AM	59.5
12:03:07 AM	64.8
12:03:17 AM	55.8
12:03:27 AM	55.8
12:03:37 AM	57.9
12:03:47 AM	54.2
12:03:57 AM	51.1
12:04:07 AM	50.3
12:04:17 AM	51
12:04:27 AM	53
12:04:37 AM	54.3
12:04:47 AM	55.9
12:04:57 AM	59.3
12:05:07 AM	55.5
12:05:17 AM	53.9
12:05:27 AM	61.6
12:05:37 AM	56.8
12:05:47 AM	50.6
12:05:57 AM	56.3
12:06:07 AM	55.7
12:06:17 AM	59.3
12:06:27 AM	62.9
12:06:37 AM	60.2
12:06:47 AM	69

59.4

Construction Noise & Vibration Calculations

**Project: Buena Vista
Construction Noise Analysis**

PHASE 1 - South Parcel

Estimated Construction Noise Levels, dBA Leq (From SoundPLAN)

Rec.	Description	Phase 1 Site Preparation (A)	Phase 1 Demo (B)	Phase 1 Grading (C)	Phase 1 Trenching (D)	Phase 1 Mat Foundation (E)	Phase 1 Building Construction (F)	Phase 1 Architectural Coatings (G)	Phase 1 Paving/Landscaping (H)
R1	Res. to the E	57.9	60.1	60.4	58.3	62.2	62.4	53.0	54.4
R2	Res. to the SW	58.3	60.1	60.5	58.7	61.4	62.2	52.5	54.6
R3	Motel to the W	53.0	54.9	55.3	53.4	56.4	57.0	47.4	49.8
R4	Park to the E	68.4	70.4	70.8	68.7	72.2	72.6	63.1	64.7
R5	Res. to the W	57.6	59.2	59.8	58.0	60.3	61.4	51.5	54.0
R6	Relig. to the W	64.2	66.1	66.5	64.6	67.7	68.3	58.7	60.9
R7	School. to the W	53.3	55.4	55.7	53.6	57.3	57.6	48.2	53.4
R8	Res. to the NW	49.1	51.4	51.7	49.5	53.6	53.6	44.3	47.4
R9	Res. to the NW	40.2	42.3	42.7	40.6	44.4	44.6	35.2	37.0
R10	Res. to the N	44.1	46.4	46.6	44.5	48.5	48.6	39.3	41.6
R11	Fut. Res. SE	61.7	63.8	64.1	62.1	65.9	66.1	56.7	58.0
R12	Park to the SE	45.2	47.4	47.7	45.6	49.6	49.7	40.4	42.9
R13	Park to the SE	54.1	56.4	56.7	54.5	58.5	58.6	49.3	57.7
R14	School to the SW	36.7	38.7	39.1	37.0	40.6	40.9	31.5	33.4
R15	Hiking Trail	47.6	49.8	50.1	48.0	52.0	52.1	42.8	45.3
R16	Hiking Trail	41.8	44.0	44.3	42.2	46.0	46.2	36.8	39.0

PHASE 2 - North Parcel

Estimated Construction Noise Levels, dBA Leq

Rec.	Description	Phase 2 Site Preparation (I)	Phase 2 Grading (J)	Phase 2 Re-abandonment (K)	Phase 2 Trenching (L)	Phase 2 Mat Foundation (M)	Phase 2 Building Construction (N)	Phase 2 Architectural Coatings (O)	Phase 2 Paving/Landscaping (P)
R1	Res. to the E	43.2	45.8	47.4	43.6	47.6	47.7	38.4	41.4
R2	Res. to the SW	43.0	45.6	46.4	43.4	47.4	47.5	38.2	39.6
R3	Motel to the W	44.1	46.6	47.4	44.5	48.5	48.6	39.3	41.8
R4	Park to the E	45.8	48.3	49.1	46.1	50.2	50.3	41.0	44.0
R5	Res. to the W	30.5	32.9	33.9	30.8	34.6	34.8	25.5	27.4
R6	Relig. to the W	47.4	49.9	50.0	47.8	51.7	51.9	42.5	45.4
R7	School. to the W	35.4	37.8	40.5	35.8	39.2	39.6	30.1	38.9
R8	Res. to the NW	59.5	61.9	61.6	59.9	63.4	63.8	54.3	60.4
R9	Res. to the NW	54.5	56.9	64.4	54.8	58.3	58.7	49.2	49.6
R10	Res. to the N	67.8	40.1	41.2	68.2	71.3	71.9	62.3	62.5
R11	Fut. Res. SE	42.9	45.4	46.1	43.3	47.3	47.4	38.1	40.5
R12	Park to the SE	65.6	68.0	67.2	66.0	69.5	69.8	60.4	61.3
R13	Park to the SE	51.0	53.5	54.1	51.4	55.3	55.5	46.2	52.6
R14	School to the SW	38.4	41.0	41.6	38.8	42.8	42.9	33.6	34.8
R15	Hiking Trail	56.7	59.1	61.1	57.1	60.8	61.0	51.6	53.3
R16	Hiking Trail	60.6	62.9	57.4	61.0	64.1	64.7	55.1	53.7

Overlapping Construction - Phase 1

Estimated Construction Noise Levels, dBA Leq

Rec.	Description	Grading + Trenching (C+D)	Trenching + Mat Foundation (D+E)	Trenching + Building Construction (D+F)	Building Const. + Arch Coating (F+G)	Building Const. + Arch Coating + Paving (F+G+H)
R1	Res. to the E	62.5	63.7	63.8	62.9	63.4
R2	Res. to the SW	62.7	63.3	63.8	62.6	63.3
R3	Motel to the W	57.5	58.2	58.6	57.5	58.1
R4	Park to the E	72.0	72.0	72.2	72.8	73.2
R5	Res. to the W	62.0	62.3	63.0	61.8	62.5
R6	Relig. to the W	68.7	69.4	69.8	68.8	69.4
R7	School. to the W	57.8	58.8	59.1	58.1	59.3
R8	Res. to the NW	53.7	55.0	55.0	54.1	54.9
R9	Res. to the NW	44.8	45.9	46.1	45.1	45.7
R10	Res. to the N	48.7	50.0	50.0	49.1	49.8
R11	Fut. Res. SE	66.2	67.4	67.6	66.6	67.1
R12	Park to the SE	49.8	51.1	51.1	50.2	50.9
R13	Park to the SE	58.7	60.0	60.0	59.1	61.5
R14	School to the SW	41.2	42.2	42.4	41.4	42.0
R15	Hiking Trail	52.2	53.5	53.5	52.6	53.3
R16	Hiking Trail	46.4	47.5	47.7	46.7	47.4

Overlapping Construction - Phase 2

		Estimated Construction Noise Levels, dBA Leq				
Rec.	Description	Grading + Well Re- abandonment (J+K)	Trenching + Mat Foundation (L+M)	Trenching + Building Const. (L+N)	Building + Arch Coating (N+O)	Building + Arch Coating + Paving (N+O+P)
R1	Res. to the E	49.7	49.1	49.1	48.2	49.0
R2	Res. to the SW	49.0	48.9	48.9	48.0	48.6
R3	Motel to the W	50.0	50.0	50.0	49.1	49.8
R4	Park to the E	51.7	51.6	51.7	50.8	51.6
R5	Res. to the W	36.4	36.1	36.3	35.3	35.9
R6	Relig. to the W	53.0	53.2	53.3	52.4	53.2
R7	School. to the W	42.4	40.8	41.1	40.1	42.5
R8	Res. to the NW	64.8	65.0	65.3	64.3	65.8
R9	Res. to the NW	65.1	59.9	60.2	59.2	59.6
R10	Res. to the N	43.7	73.0	73.4	72.4	72.8
R11	Fut. Res. SE	48.8	48.8	48.8	47.9	48.6
R12	Park to the SE	70.6	71.1	71.3	70.3	70.8
R13	Park to the SE	56.8	56.8	56.9	56.0	57.6
R14	School to the SW	44.3	44.3	44.3	43.4	43.9
R15	Hiking Trail	63.2	62.3	62.5	61.5	62.1
R16	Hiking Trail	64.0	65.8	66.2	65.2	65.5

NIGHTTIME CONSTRUCTION - Phase 1

		Estimated Construction Noise Levels, dBA Leq
Rec.	Description	Phase 1 Mat Foundation (E)
R1	Res. to the E	62.2
R2	Res. to the SW	61.4
R3	Motel to the W	56.4
R4	Park to the E	72.2
R5	Res. to the W	60.3
R6	Relig. to the W	67.7
R7	School. to the W	57.3
R8	Res. to the NW	53.6
R9	Res. to the NW	44.4
R10	Res. to the N	48.5
R11	Fut. Res. SE	65.9
R12	Park to the SE	49.6
R13	Park to the SE	58.5
R14	School to the SW	40.6
R15	Hiking Trail	52.0
R16	Hiking Trail	46.0

NIGHTTIME CONSTRUCTION - Phase 2

		Estimated Construction Noise Levels, dBA Leq
Rec.	Description	Phase 2 Mat Foundation (M)
R1	Res. to the E	47.6
R2	Res. to the SW	47.4
R3	Motel to the W	48.5
R4	Park to the E	50.2
R5	Res. to the W	34.6
R6	Relig. to the W	51.7
R7	School. to the W	39.2
R8	Res. to the NW	63.4
R9	Res. to the NW	58.3
R10	Res. to the N	71.3
R11	Fut. Res. SE	47.3
R12	Park to the SE	69.5
R13	Park to the SE	55.3
R14	School to the SW	42.8
R15	Hiking Trail	60.8
R16	Hiking Trail	64.1

OFF-SITE CONSTRUCTION

Estimated Construction Noise Levels, dBA Leq (From SoundPLAN)

Rec.	Description	Water & Sewer Laterals			Street		
		Excavation	Utilities	Paving	Dedication	ADA Ramp	Street Light
R1	Res. to the E	53.6	53.6	56.7	51.6	55.1	54.1
R2	Res. to the SW	44.9	44.9	47.7	44.8	49.0	46.8
R3	Motel to the W	61.4	61.4	64.4	56.9	63.9	63.5
R4	Park to the E	65.7	65.7	68.8	61.3	65.0	66.6
R5	Res. to the W	63.0	63.0	66.0	57.4	69.4	66.9
R6	Relig. to the W	71.7	71.7	74.4	66.6	68.1	67.9
R7	School. to the W	54.9	54.9	57.8	63.7	75.4	53.5
R8	Res. to the NW	59.7	59.7	62.8	69.9	60.1	58.6
R9	Res. to the NW	55.6	55.6	58.6	54.5	66.5	63.2
R10	Res. to the N	69.7	69.7	72.4	68.3	66.6	65.9
R11	Fut. Res. SE	52.3	52.3	55.5	50.2	54.1	53.6
R12	Park to the SE	59.6	59.6	62.1	58.8	59.2	61.2
R13	Park to the SE	56.9	56.9	60.0	66.4	69.7	56.2
R14	School to the SW	38.2	38.2	41.0	38.4	41.8	40.0
R15	Hiking Trail	56.9	56.9	60.1	57.8	58.1	58.3
R16	Hiking Trail	58.7	58.7	61.6	60.5	74.3	74.9

WITH MITIGATION MEASURES

PHASE 1 - South Parcel

Estimated Construction Noise Levels, dBA Leq

Rec.	MM Noise Reduction	Phase 1 Site		Phase 1	Phase 1	Phase 1 Mat	Phase 1	Phase 1	Phase 1
		Preparation (A)	Phase 1 Demo (B)	Grading (C)	Trenching (D)	Foundation (E)	Building Construction (F)	Architectural Coatings (G)	Paving/Landscaping (H)
R1	3	54.9	57.1	57.4	55.3	59.2	59.4	50.0	51.4
R2	0	58.3	60.1	60.5	58.7	61.4	62.2	52.5	54.6
R3	0	53.0	54.9	55.3	53.4	56.4	57.0	47.4	49.8
R4	12	56.4	58.4	58.8	56.7	60.2	60.6	51.1	52.7
R5	3	54.6	56.2	56.8	55.0	57.3	58.4	48.5	51.0
R6	3	61.2	63.1	63.5	61.6	64.7	65.3	55.7	57.9
R7	0	53.3	55.4	55.7	53.6	57.3	57.6	48.2	53.4
R8	0	49.1	51.4	51.7	49.5	53.6	53.6	44.3	47.4
R9	0	40.2	42.3	42.7	40.6	44.4	44.6	35.2	37.0
R10	0	44.1	46.4	46.6	44.5	48.5	48.6	39.3	41.6
R11	0	61.7	63.8	64.1	62.1	65.9	66.1	56.7	58.0
R12	0	45.2	47.4	47.7	45.6	49.6	49.7	40.4	42.9
R13	0	54.1	56.4	56.7	54.5	58.5	58.6	49.3	57.7
R14	0	36.7	38.7	39.1	37.0	40.6	40.9	31.5	33.4
R15	0	47.6	49.8	50.1	48.0	52.0	52.1	42.8	45.3
R16	0	41.8	44.0	44.3	42.2	46.0	46.2	36.8	39.0

PHASE 2 - North Parcel

Estimated Construction Noise Levels, dBA Leq

Rec.	MM Noise Reduction	Phase 2 Site	Phase 2	Phase 2	Phase 2 Mat	Phase 2	Phase 2	Phase 2
		Preparation (I)	Grading (J)	Trenching (L)	Foundation (M)	Building Construction (N)	Architectural Coatings (O)	Paving/Landscaping (P)
R1	0	43.2	45.8	43.6	47.6	47.7	38.4	41.4
R2	0	43.0	45.6	43.4	47.4	47.5	38.2	39.6
R3	0	44.1	46.6	44.5	48.5	48.6	39.3	41.8
R4	0	45.8	48.3	46.1	50.2	50.3	41.0	44.0
R5	0	30.5	32.9	30.8	34.6	34.8	25.5	27.4
R6	0	47.4	49.9	47.8	51.7	51.9	42.5	45.4
R7	0	35.4	37.8	35.8	39.2	39.6	30.1	38.9
R8	0	59.5	61.9	59.9	63.4	63.8	54.3	60.4
R9	0	54.5	56.9	54.8	58.3	58.7	49.2	49.6
R10	0	67.8	40.1	68.2	71.3	71.9	62.3	62.5
R11	0	42.9	45.4	43.3	47.3	47.4	38.1	40.5
R12	0	65.6	68.0	66.0	69.5	69.8	60.4	61.3
R13	0	51.0	53.5	51.4	55.3	55.5	46.2	52.6
R14	0	38.4	41.0	38.8	42.8	42.9	33.6	34.8
R15	0	56.7	59.1	57.1	60.8	61.0	51.6	53.3
R16	0	60.6	62.9	61.0	64.1	64.7	55.1	53.7

Overlapping Phase 1

MM Noise Reduction, dBA		Estimated Construction Noise Levels, dBA Leq				
Rec.	MM Noise Reduction	Grading + Trenching (C+D)	Trenching + Mat Foundation (D+E)	Trenching + Building Construction (D+F)	Building Const. + Arch Coating (F+G)	Building Const. + Arch Coating + Paving (F+G+H)
R1	3	59.5	60.7	60.8	59.9	60.4
R2	0	62.7	63.3	63.8	62.6	63.3
R3	0	57.5	58.2	58.6	57.5	58.1
R4	12	60.0	60.0	60.2	60.8	61.2
R5	3	59.0	59.3	60.0	58.8	59.5
R6	3	65.7	66.4	66.8	65.8	66.4
R7	0	57.8	58.8	59.1	58.1	59.3
R8	0	53.7	55.0	55.0	54.1	54.9
R9	0	44.8	45.9	46.1	45.1	45.7
R10	0	48.7	50.0	50.0	49.1	49.8
R11	0	66.2	67.4	67.6	66.6	67.1
R12	0	49.8	51.1	51.1	50.2	50.9
R13	0	58.7	60.0	60.0	59.1	61.5
R14	0	41.2	42.2	42.4	41.4	42.0
R15	0	52.2	53.5	53.5	52.6	53.3
R16	0	46.4	47.5	47.7	46.7	47.4

Overlapping Phase 2

		Estimated Construction Noise Levels, dBA Leq				
Rec.	MM Noise Reduction	Grading + Well Re- abandonment (J+K)	Trenching + Mat Foundation (L+M)	Trenching + Building Const. (L+N)	Building + Arch Coating (N+O)	Building + Arch Coating + Paving (N+O+P)
R1	0	47.8	49.1	49.1	48.2	48.6
R2	0	47.6	48.9	48.9	48.0	48.2
R3	0	48.7	50.0	50.0	49.1	49.4
R4	0	49.4	49.7	49.8	50.5	50.8
R5	0	35.0	36.1	36.3	35.3	35.5
R6	0	52.0	53.2	53.3	52.4	52.8
R7	0	39.9	40.8	41.1	40.1	42.3
R8	0	64.0	65.0	65.3	64.3	65.4
R9	0	59.0	59.9	60.2	59.2	59.2
R10	0	68.2	73.0	73.4	72.4	72.4
R11	0	47.5	48.8	48.8	47.9	48.2
R12	0	70.1	71.1	71.3	70.3	70.4
R13	0	55.6	56.8	56.9	56.0	57.3
R14	0	43.0	44.3	44.3	43.4	43.5
R15	0	61.2	62.3	62.5	61.5	61.7
R16	0	65.1	65.8	66.2	65.2	65.0

NIGHTTIME CONSTRUCTION - Phase 1

Estimated Construction Noise Levels, dBA Leq		
Rec.	MM Noise Reduction	Phase 1 Mat
		Foundation (E)
R1	3	59.2
R2	0	61.4
R3	0	56.4
R4	12	60.2
R5	3	57.3
R6	3	64.7
R7	0	57.3
R8	0	53.6
R9	0	44.4
R10	0	48.5
R11	0	65.9
R12	0	49.6
R13	0	58.5
R14	0	40.6
R15	0	52.0
R16	0	46.0

NIGHTTIME CONSTRUCTION - Phase 2

Estimated Construction Noise Levels, dBA Leq		
Rec.	MM Noise Reduction	Phase 2 Mat
		Foundation (M)
R1	0	47.6
R2	0	47.4
R3	0	48.5
R4	0	50.2
R5	0	34.6
R6	0	51.7
R7	0	39.2
R8	0	63.4
R9	0	58.3
R10	0	71.3
R11	0	47.3
R12	0	69.5
R13	0	55.3
R14	0	42.8
R15	0	60.8
R16	0	64.1

OFF-SITE CONSTRUCTION

Estimated Construction Noise Levels, dBA Leq										
Rec.	MM Noise Reduction				Water + Sewer Laterals			Street		
	Water Laterals	3ft Dedication	ADA Ramp	Street Light	Excavation	Utilities	Paving	Dedication	ADA Ramp	Street Light
R1	0	0	0	0	53.6	53.6	56.7	51.6	55.1	54.1
R2	0	0	0	0	44.9	44.9	47.7	44.8	49.0	46.8
R3	0	0	0	0	61.4	61.4	64.4	56.9	63.9	63.5
R4	8	0	4	5	57.7	57.7	60.8	61.3	61.0	61.6
R5	5	0	8	6	58.0	58.0	61.0	57.4	61.4	60.9
R6	5	0	0	0	66.7	66.7	69.4	66.6	68.1	67.9
R7	0	0	9	0	54.9	54.9	57.8	63.7	66.4	53.5
R8	0	0	0	0	59.7	59.7	62.8	69.9	60.1	58.6
R9	0	0	0	0	55.6	55.6	58.6	54.5	66.5	63.2
R10	0	0	0	0	69.7	69.7	72.4	68.3	66.6	65.9
R11	0	0	0	0	52.3	52.3	55.5	50.2	54.1	53.6
R12	0	0	0	0	59.6	59.6	62.1	58.8	59.2	61.2
R13	0	5	8	0	56.9	56.9	60.0	61.4	61.7	56.2
R14	0	0	0	0	38.2	38.2	41.0	38.4	41.8	40.0
R15	0	0	0	0	56.9	56.9	60.1	57.8	58.1	58.3
R16	0	0	7	8	58.7	58.7	61.6	60.5	67.3	66.9

Project: Buena Vista

Construction Equipment Noise Levels

Description	Reference Noise Level at 50ft, Lmax	Acoustical Usage Factor	Sound	
			Pressure Levels (SPL), Leq	Sound Power Levels (Lw), Leq
Air Compressor	78	40%	74.0	105.7
Aerial Lift	75	20%	68.0	99.7
Bore Drill Rig	84	20%	77.0	108.7
Cement and Mortar Mixers	80	50%	77.0	108.6
Concrete/Industrial Saw	90	20%	83.0	114.7
Crane (tower and mobile)	81	16%	73.0	104.7
Excavator	81	40%	77.0	108.7
Forklifts	75	20%	68.0	99.7
Generator Sets	81	50%	78.0	109.6
Grader	85	40%	81.0	112.7
Off-Highway Tractors	84	40%	80.0	111.7
Pavers	77	50%	74.0	105.6
Paving Equipment	77	50%	74.0	105.6
Pump	81	50%	78.0	109.6
Roller	80	20%	73.0	104.7
Ruber Tired Dozer	82	40%	78.0	109.7
Rubber Tired Loader	79	40%	75.0	106.7
Scraper	84	40%	80.0	111.7
Signal Boards	73	50%	70.0	101.6
Skid Steer Loader	79	40%	75.0	106.7
Tractors/Loaders/Backhoes	84	40%	80.0	111.7
Trencher	80	50%	77.0	108.6
Water Truck	82	10%	72.0	103.7
Welders	74	40%	70.0	101.7
Other Equipment	85	50%	82.0	113.6

Source for Ref. Noise Levels: FHWA RCNM, 2006

**Buena Vista
Source Levels in dB(A) - 01a Phase 1 Site Prep**

Name	Source type	Lw dB(A)	
Const. S Excavator 1	Area	108.7	
Const. S Loader 1	Area	106.7	
Const. S Tractor Loader Backhoe 1	Area	111.7	
Const. S Tractor Loader Backhoe 2	Area	111.7	

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Buena Vista Calculated Noise Levels - 01a Phase 1 Site Prep

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 57.9 dB(A)			
Const. S Excavator 1	Area	50.4	
Const. S Loader 1	Area	48.4	
Const. S Tractor Loader Backhoe 1	Area	53.4	
Const. S Tractor Loader Backhoe 2	Area	53.4	
Receiver R2 FI G Leq,d 58.3 dB(A)			
Const. S Excavator 1	Area	50.8	
Const. S Loader 1	Area	48.8	
Const. S Tractor Loader Backhoe 1	Area	53.8	
Const. S Tractor Loader Backhoe 2	Area	53.8	
Receiver R3 FI G Leq,d 53.0 dB(A)			
Const. S Excavator 1	Area	45.5	
Const. S Loader 1	Area	43.5	
Const. S Tractor Loader Backhoe 1	Area	48.5	
Const. S Tractor Loader Backhoe 2	Area	48.5	
Receiver R4 FI G Leq,d 68.4 dB(A)			
Const. S Excavator 1	Area	60.9	
Const. S Loader 1	Area	58.9	
Const. S Tractor Loader Backhoe 1	Area	63.9	
Const. S Tractor Loader Backhoe 2	Area	63.9	
Receiver R5 FI G Leq,d 57.6 dB(A)			
Const. S Excavator 1	Area	50.1	
Const. S Loader 1	Area	48.1	
Const. S Tractor Loader Backhoe 1	Area	53.1	
Const. S Tractor Loader Backhoe 2	Area	53.1	
Receiver R6 FI G Leq,d 64.2 dB(A)			
Const. S Excavator 1	Area	56.7	
Const. S Loader 1	Area	54.7	
Const. S Tractor Loader Backhoe 1	Area	59.7	
Const. S Tractor Loader Backhoe 2	Area	59.7	
Receiver R7 FI G Leq,d 53.3 dB(A)			
Const. S Excavator 1	Area	45.8	
Const. S Loader 1	Area	43.8	
Const. S Tractor Loader Backhoe 1	Area	48.8	
Const. S Tractor Loader Backhoe 2	Area	48.8	
Receiver R8 FI G Leq,d 49.1 dB(A)			
Const. S Excavator 1	Area	41.6	
Const. S Loader 1	Area	39.6	
Const. S Tractor Loader Backhoe 1	Area	44.6	
Const. S Tractor Loader Backhoe 2	Area	44.6	
Receiver R9 FI G Leq,d 40.2 dB(A)			

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Buena Vista
Calculated Noise Levels - 01a Phase 1 Site Prep

Source	Source type	Leq,d dB(A)	
Const. S Excavator 1	Area	32.7	
Const. S Loader 1	Area	30.7	
Const. S Tractor Loader Backhoe 1	Area	35.7	
Const. S Tractor Loader Backhoe 2	Area	35.7	
Receiver R10 FI G Leq,d 44.1 dB(A)			
Const. S Excavator 1	Area	36.6	
Const. S Loader 1	Area	34.6	
Const. S Tractor Loader Backhoe 1	Area	39.6	
Const. S Tractor Loader Backhoe 2	Area	39.6	
Receiver R11 FI G Leq,d 61.7 dB(A)			
Const. S Excavator 1	Area	54.2	
Const. S Loader 1	Area	52.2	
Const. S Tractor Loader Backhoe 1	Area	57.2	
Const. S Tractor Loader Backhoe 2	Area	57.2	
Receiver R12 FI G Leq,d 45.2 dB(A)			
Const. S Excavator 1	Area	37.7	
Const. S Loader 1	Area	35.7	
Const. S Tractor Loader Backhoe 1	Area	40.7	
Const. S Tractor Loader Backhoe 2	Area	40.7	
Receiver R13 FI G Leq,d 54.1 dB(A)			
Const. S Excavator 1	Area	46.7	
Const. S Loader 1	Area	44.7	
Const. S Tractor Loader Backhoe 1	Area	49.7	
Const. S Tractor Loader Backhoe 2	Area	49.7	
Receiver R14 FI G Leq,d 36.7 dB(A)			
Const. S Excavator 1	Area	29.2	
Const. S Loader 1	Area	27.2	
Const. S Tractor Loader Backhoe 1	Area	32.2	
Const. S Tractor Loader Backhoe 2	Area	32.2	
Receiver R15 (Trail) FI G Leq,d 47.6 dB(A)			
Const. S Excavator 1	Area	40.1	
Const. S Loader 1	Area	38.1	
Const. S Tractor Loader Backhoe 1	Area	43.1	
Const. S Tractor Loader Backhoe 2	Area	43.1	
Receiver R16 (Trail) FI G Leq,d 41.8 dB(A)			
Const. S Excavator 1	Area	34.3	
Const. S Loader 1	Area	32.3	
Const. S Tractor Loader Backhoe 1	Area	37.3	
Const. S Tractor Loader Backhoe 2	Area	37.3	

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**Buena Vista
Source Levels in dB(A) - 01b Phase 1 Demo**

Name	Source type	Lw dB(A)	
Const. S Concrete Saw 1	Area	114.7	
Const. S Excavator 1	Area	108.7	
Const. S Excavator 2	Area	108.7	
Const. S Excavator 3	Area	108.7	
Const. S Rubber Tired Dozer 1	Area	109.7	
Const. S Rubber Tired Dozer 2	Area	109.7	

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**Buena Vista
Calculated Noise Levels - 01b Phase 1 Demo**

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 60.1 dB(A)			
Const. S Concrete Saw 1	Area	56.3	
Const. S Excavator 1	Area	50.4	
Const. S Excavator 2	Area	50.4	
Const. S Excavator 3	Area	50.4	
Const. S Rubber Tired Dozer 1	Area	51.4	
Const. S Rubber Tired Dozer 2	Area	51.4	
Receiver R2 FI G Leq,d 60.1 dB(A)			
Const. S Concrete Saw 1	Area	55.5	
Const. S Excavator 1	Area	50.8	
Const. S Excavator 2	Area	50.8	
Const. S Excavator 3	Area	50.8	
Const. S Rubber Tired Dozer 1	Area	51.8	
Const. S Rubber Tired Dozer 2	Area	51.8	
Receiver R3 FI G Leq,d 54.9 dB(A)			
Const. S Concrete Saw 1	Area	50.4	
Const. S Excavator 1	Area	45.5	
Const. S Excavator 2	Area	45.5	
Const. S Excavator 3	Area	45.5	
Const. S Rubber Tired Dozer 1	Area	46.5	
Const. S Rubber Tired Dozer 2	Area	46.5	
Receiver R4 FI G Leq,d 70.4 dB(A)			
Const. S Concrete Saw 1	Area	66.2	
Const. S Excavator 1	Area	60.9	
Const. S Excavator 2	Area	60.9	
Const. S Excavator 3	Area	60.9	
Const. S Rubber Tired Dozer 1	Area	61.9	
Const. S Rubber Tired Dozer 2	Area	61.9	
Receiver R5 FI G Leq,d 59.2 dB(A)			
Const. S Concrete Saw 1	Area	54.3	
Const. S Excavator 1	Area	50.1	
Const. S Excavator 2	Area	50.1	
Const. S Excavator 3	Area	50.1	
Const. S Rubber Tired Dozer 1	Area	51.1	
Const. S Rubber Tired Dozer 2	Area	51.1	
Receiver R6 FI G Leq,d 66.1 dB(A)			
Const. S Concrete Saw 1	Area	61.7	
Const. S Excavator 1	Area	56.7	
Const. S Excavator 2	Area	56.7	
Const. S Excavator 3	Area	56.7	
Const. S Rubber Tired Dozer 1	Area	57.7	
Const. S Rubber Tired Dozer 2	Area	57.7	

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Buena Vista Calculated Noise Levels - 01b Phase 1 Demo

Source	Source type	Leq,d dB(A)	
Receiver R7 FI G Leq,d 55.4 dB(A)			
Const. S Concrete Saw 1	Area	51.4	
Const. S Excavator 1	Area	45.8	
Const. S Excavator 2	Area	45.8	
Const. S Excavator 3	Area	45.8	
Const. S Rubber Tired Dozer 1	Area	46.8	
Const. S Rubber Tired Dozer 2	Area	46.8	
Receiver R8 FI G Leq,d 51.4 dB(A)			
Const. S Concrete Saw 1	Area	47.6	
Const. S Excavator 1	Area	41.6	
Const. S Excavator 2	Area	41.6	
Const. S Excavator 3	Area	41.6	
Const. S Rubber Tired Dozer 1	Area	42.6	
Const. S Rubber Tired Dozer 2	Area	42.6	
Receiver R9 FI G Leq,d 42.3 dB(A)			
Const. S Concrete Saw 1	Area	38.4	
Const. S Excavator 1	Area	32.7	
Const. S Excavator 2	Area	32.7	
Const. S Excavator 3	Area	32.7	
Const. S Rubber Tired Dozer 1	Area	33.7	
Const. S Rubber Tired Dozer 2	Area	33.7	
Receiver R10 FI G Leq,d 46.4 dB(A)			
Const. S Concrete Saw 1	Area	42.5	
Const. S Excavator 1	Area	36.6	
Const. S Excavator 2	Area	36.6	
Const. S Excavator 3	Area	36.6	
Const. S Rubber Tired Dozer 1	Area	37.6	
Const. S Rubber Tired Dozer 2	Area	37.6	
Receiver R11 FI G Leq,d 63.8 dB(A)			
Const. S Concrete Saw 1	Area	59.9	
Const. S Excavator 1	Area	54.2	
Const. S Excavator 2	Area	54.2	
Const. S Excavator 3	Area	54.2	
Const. S Rubber Tired Dozer 1	Area	55.2	
Const. S Rubber Tired Dozer 2	Area	55.2	
Receiver R12 FI G Leq,d 47.4 dB(A)			
Const. S Concrete Saw 1	Area	43.6	
Const. S Excavator 1	Area	37.7	
Const. S Excavator 2	Area	37.7	
Const. S Excavator 3	Area	37.7	
Const. S Rubber Tired Dozer 1	Area	38.7	
Const. S Rubber Tired Dozer 2	Area	38.7	

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Buena Vista Calculated Noise Levels - 01b Phase 1 Demo

Source	Source type	Leq,d dB(A)	
Receiver R13 FI G Leq,d 56.4 dB(A)			
Const. S Concrete Saw 1	Area	52.6	
Const. S Excavator 1	Area	46.7	
Const. S Excavator 2	Area	46.7	
Const. S Excavator 3	Area	46.7	
Const. S Rubber Tired Dozer 1	Area	47.7	
Const. S Rubber Tired Dozer 2	Area	47.7	
Receiver R14 FI G Leq,d 38.7 dB(A)			
Const. S Concrete Saw 1	Area	34.6	
Const. S Excavator 1	Area	29.2	
Const. S Excavator 2	Area	29.2	
Const. S Excavator 3	Area	29.2	
Const. S Rubber Tired Dozer 1	Area	30.2	
Const. S Rubber Tired Dozer 2	Area	30.2	
Receiver R15 (Trail) FI G Leq,d 49.8 dB(A)			
Const. S Concrete Saw 1	Area	46.0	
Const. S Excavator 1	Area	40.1	
Const. S Excavator 2	Area	40.1	
Const. S Excavator 3	Area	40.1	
Const. S Rubber Tired Dozer 1	Area	41.1	
Const. S Rubber Tired Dozer 2	Area	41.1	
Receiver R16 (Trail) FI G Leq,d 44.0 dB(A)			
Const. S Concrete Saw 1	Area	40.0	
Const. S Excavator 1	Area	34.3	
Const. S Excavator 2	Area	34.3	
Const. S Excavator 3	Area	34.3	
Const. S Rubber Tired Dozer 1	Area	35.3	
Const. S Rubber Tired Dozer 2	Area	35.3	

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Buena Vista
Source Levels in dB(A) - 01c Phase 1 Grading

Name	Source type	Lw dB(A)	
Const. S Bore Drill Rig 1	Area	108.7	
Const. S Excavator 1	Area	108.7	
Const. S Excavator 2	Area	108.7	
Const. S Loader 1	Area	106.7	
Const. S Pump 1	Area	109.6	
Const. S Pump 2	Area	109.6	
Const. S Tractor Loader Backhoe 1	Area	111.7	
Const. S Tractor Loader Backhoe 2	Area	111.7	

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Buena Vista Calculated Noise Levels - 01c Phase 1 Grading

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 60.4 dB(A)			
Const. S Bore Drill Rig 1	Area	50.4	
Const. S Excavator 1	Area	50.4	
Const. S Excavator 2	Area	50.4	
Const. S Pump 1	Area	51.2	
Const. S Pump 2	Area	51.2	
Const. S Loader 1	Area	48.4	
Const. S Tractor Loader Backhoe 1	Area	53.4	
Const. S Tractor Loader Backhoe 2	Area	53.4	
Receiver R2 Leq,d 60.5 dB(A)			
Const. S Bore Drill Rig 1	Area	50.8	
Const. S Excavator 1	Area	50.8	
Const. S Excavator 2	Area	50.8	
Const. S Pump 1	Area	50.4	
Const. S Pump 2	Area	50.4	
Const. S Loader 1	Area	48.8	
Const. S Tractor Loader Backhoe 1	Area	53.8	
Const. S Tractor Loader Backhoe 2	Area	53.8	
Receiver R3 Leq,d 55.3 dB(A)			
Const. S Bore Drill Rig 1	Area	45.5	
Const. S Excavator 1	Area	45.5	
Const. S Excavator 2	Area	45.5	
Const. S Pump 1	Area	45.3	
Const. S Pump 2	Area	45.3	
Const. S Loader 1	Area	43.5	
Const. S Tractor Loader Backhoe 1	Area	48.5	
Const. S Tractor Loader Backhoe 2	Area	48.5	
Receiver R4 Leq,d 70.8 dB(A)			
Const. S Bore Drill Rig 1	Area	60.9	
Const. S Excavator 1	Area	60.9	
Const. S Excavator 2	Area	60.9	
Const. S Pump 1	Area	61.1	
Const. S Pump 2	Area	61.1	
Const. S Loader 1	Area	58.9	
Const. S Tractor Loader Backhoe 1	Area	63.9	
Const. S Tractor Loader Backhoe 2	Area	63.9	
Receiver R5 Leq,d 59.8 dB(A)			
Const. S Bore Drill Rig 1	Area	50.1	
Const. S Excavator 1	Area	50.1	
Const. S Excavator 2	Area	50.1	
Const. S Pump 1	Area	49.2	
Const. S Pump 2	Area	49.2	

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Buena Vista Calculated Noise Levels - 01c Phase 1 Grading

Source	Source type	Leq,d dB(A)	
Const. S Loader 1	Area	48.1	
Const. S Tractor Loader Backhoe 1	Area	53.1	
Const. S Tractor Loader Backhoe 2	Area	53.1	
Receiver R6 Leq,d 66.5 dB(A)			
Const. S Bore Drill Rig 1	Area	56.7	
Const. S Excavator 1	Area	56.7	
Const. S Excavator 2	Area	56.7	
Const. S Pump 1	Area	56.6	
Const. S Pump 2	Area	56.6	
Const. S Loader 1	Area	54.7	
Const. S Tractor Loader Backhoe 1	Area	59.7	
Const. S Tractor Loader Backhoe 2	Area	59.7	
Receiver R7 Leq,d 55.7 dB(A)			
Const. S Bore Drill Rig 1	Area	45.8	
Const. S Excavator 1	Area	45.8	
Const. S Excavator 2	Area	45.8	
Const. S Pump 1	Area	46.3	
Const. S Pump 2	Area	46.3	
Const. S Loader 1	Area	43.8	
Const. S Tractor Loader Backhoe 1	Area	48.8	
Const. S Tractor Loader Backhoe 2	Area	48.8	
Receiver R8 Leq,d 51.7 dB(A)			
Const. S Bore Drill Rig 1	Area	41.6	
Const. S Excavator 1	Area	41.6	
Const. S Excavator 2	Area	41.6	
Const. S Pump 1	Area	42.5	
Const. S Pump 2	Area	42.5	
Const. S Loader 1	Area	39.6	
Const. S Tractor Loader Backhoe 1	Area	44.6	
Const. S Tractor Loader Backhoe 2	Area	44.6	
Receiver R9 Leq,d 42.7 dB(A)			
Const. S Bore Drill Rig 1	Area	32.7	
Const. S Excavator 1	Area	32.7	
Const. S Excavator 2	Area	32.7	
Const. S Pump 1	Area	33.3	
Const. S Pump 2	Area	33.3	
Const. S Loader 1	Area	30.7	
Const. S Tractor Loader Backhoe 1	Area	35.7	
Const. S Tractor Loader Backhoe 2	Area	35.7	
Receiver R10 Leq,d 46.6 dB(A)			
Const. S Bore Drill Rig 1	Area	36.6	
Const. S Excavator 1	Area	36.6	

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Buena Vista Calculated Noise Levels - 01c Phase 1 Grading

Source	Source type	Leq,d dB(A)	
Const. S Excavator 2	Area	36.6	
Const. S Pump 1	Area	37.4	
Const. S Pump 2	Area	37.4	
Const. S Loader 1	Area	34.6	
Const. S Tractor Loader Backhoe 1	Area	39.6	
Const. S Tractor Loader Backhoe 2	Area	39.6	
Receiver R11 Leq,d 64.1 dB(A)			
Const. S Bore Drill Rig 1	Area	54.2	
Const. S Excavator 1	Area	54.2	
Const. S Excavator 2	Area	54.2	
Const. S Pump 1	Area	54.8	
Const. S Pump 2	Area	54.8	
Const. S Loader 1	Area	52.2	
Const. S Tractor Loader Backhoe 1	Area	57.2	
Const. S Tractor Loader Backhoe 2	Area	57.2	
Receiver R12 Leq,d 47.7 dB(A)			
Const. S Bore Drill Rig 1	Area	37.7	
Const. S Excavator 1	Area	37.7	
Const. S Excavator 2	Area	37.7	
Const. S Pump 1	Area	38.5	
Const. S Pump 2	Area	38.5	
Const. S Loader 1	Area	35.7	
Const. S Tractor Loader Backhoe 1	Area	40.7	
Const. S Tractor Loader Backhoe 2	Area	40.7	
Receiver R13 Leq,d 56.7 dB(A)			
Const. S Bore Drill Rig 1	Area	46.7	
Const. S Excavator 1	Area	46.7	
Const. S Excavator 2	Area	46.7	
Const. S Pump 1	Area	47.5	
Const. S Pump 2	Area	47.5	
Const. S Loader 1	Area	44.7	
Const. S Tractor Loader Backhoe 1	Area	49.7	
Const. S Tractor Loader Backhoe 2	Area	49.7	
Receiver R14 Leq,d 39.1 dB(A)			
Const. S Bore Drill Rig 1	Area	29.2	
Const. S Excavator 1	Area	29.2	
Const. S Excavator 2	Area	29.2	
Const. S Pump 1	Area	29.5	
Const. S Pump 2	Area	29.5	
Const. S Loader 1	Area	27.2	
Const. S Tractor Loader Backhoe 1	Area	32.2	
Const. S Tractor Loader Backhoe 2	Area	32.2	

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Buena Vista Calculated Noise Levels - 01c Phase 1 Grading

Source	Source type	Leq,d dB(A)	
Receiver R15 (Trail) Leq,d 50.1 dB(A)			
Const. S Bore Drill Rig 1	Area	40.1	
Const. S Excavator 1	Area	40.1	
Const. S Excavator 2	Area	40.1	
Const. S Pump 1	Area	40.9	
Const. S Pump 2	Area	40.9	
Const. S Loader 1	Area	38.1	
Const. S Tractor Loader Backhoe 1	Area	43.1	
Const. S Tractor Loader Backhoe 2	Area	43.1	
Receiver R16 (Trail) Leq,d 44.3 dB(A)			
Const. S Bore Drill Rig 1	Area	34.3	
Const. S Excavator 1	Area	34.3	
Const. S Excavator 2	Area	34.3	
Const. S Pump 1	Area	34.9	
Const. S Pump 2	Area	34.9	
Const. S Loader 1	Area	32.3	
Const. S Tractor Loader Backhoe 1	Area	37.3	
Const. S Tractor Loader Backhoe 2	Area	37.3	

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Buena Vista
Source Levels in dB(A) - 01d Phase 1 Trenching

Name	Source type	Lw dB(A)	
Const. S Excavator 1	Area	108.7	
Const. S Grader 1	Area	112.7	
Const. S Loader 1	Area	106.7	
Const. S Tractor Loader Backhoe 1	Area	111.7	

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Buena Vista Calculated Noise Levels - 01d Phase 1 Trenching

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 58.3 dB(A)			
Const. S Excavator 1	Area	50.4	
Const. S Grader 1	Area	54.4	
Const. S Loader 1	Area	48.4	
Const. S Tractor Loader Backhoe 1	Area	53.4	
Receiver R2 Leq,d 58.7 dB(A)			
Const. S Excavator 1	Area	50.8	
Const. S Grader 1	Area	54.8	
Const. S Loader 1	Area	48.8	
Const. S Tractor Loader Backhoe 1	Area	53.8	
Receiver R3 Leq,d 53.4 dB(A)			
Const. S Excavator 1	Area	45.5	
Const. S Grader 1	Area	49.5	
Const. S Loader 1	Area	43.5	
Const. S Tractor Loader Backhoe 1	Area	48.5	
Receiver R4 Leq,d 68.7 dB(A)			
Const. S Excavator 1	Area	60.9	
Const. S Grader 1	Area	64.9	
Const. S Loader 1	Area	58.9	
Const. S Tractor Loader Backhoe 1	Area	63.9	
Receiver R5 Leq,d 58.0 dB(A)			
Const. S Excavator 1	Area	50.1	
Const. S Grader 1	Area	54.1	
Const. S Loader 1	Area	48.1	
Const. S Tractor Loader Backhoe 1	Area	53.1	
Receiver R6 Leq,d 64.6 dB(A)			
Const. S Excavator 1	Area	56.7	
Const. S Grader 1	Area	60.7	
Const. S Loader 1	Area	54.7	
Const. S Tractor Loader Backhoe 1	Area	59.7	
Receiver R7 Leq,d 53.6 dB(A)			
Const. S Excavator 1	Area	45.8	
Const. S Grader 1	Area	49.8	
Const. S Loader 1	Area	43.8	
Const. S Tractor Loader Backhoe 1	Area	48.8	
Receiver R8 Leq,d 49.5 dB(A)			
Const. S Excavator 1	Area	41.6	
Const. S Grader 1	Area	45.6	
Const. S Loader 1	Area	39.6	
Const. S Tractor Loader Backhoe 1	Area	44.6	
Receiver R9 Leq,d 40.6 dB(A)			

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Buena Vista Calculated Noise Levels - 01d Phase 1 Trenching

Source	Source type	Leq,d dB(A)	
Const. S Excavator 1	Area	32.7	
Const. S Grader 1	Area	36.7	
Const. S Loader 1	Area	30.7	
Const. S Tractor Loader Backhoe 1	Area	35.7	
Receiver R10 Leq,d 44.5 dB(A)			
Const. S Excavator 1	Area	36.6	
Const. S Grader 1	Area	40.6	
Const. S Loader 1	Area	34.6	
Const. S Tractor Loader Backhoe 1	Area	39.6	
Receiver R11 Leq,d 62.1 dB(A)			
Const. S Excavator 1	Area	54.2	
Const. S Grader 1	Area	58.2	
Const. S Loader 1	Area	52.2	
Const. S Tractor Loader Backhoe 1	Area	57.2	
Receiver R12 Leq,d 45.6 dB(A)			
Const. S Excavator 1	Area	37.7	
Const. S Grader 1	Area	41.7	
Const. S Loader 1	Area	35.7	
Const. S Tractor Loader Backhoe 1	Area	40.7	
Receiver R13 Leq,d 54.5 dB(A)			
Const. S Excavator 1	Area	46.7	
Const. S Grader 1	Area	50.7	
Const. S Loader 1	Area	44.7	
Const. S Tractor Loader Backhoe 1	Area	49.7	
Receiver R14 Leq,d 37.0 dB(A)			
Const. S Excavator 1	Area	29.2	
Const. S Grader 1	Area	33.2	
Const. S Loader 1	Area	27.2	
Const. S Tractor Loader Backhoe 1	Area	32.2	
Receiver R15 (Trail) Leq,d 48.0 dB(A)			
Const. S Excavator 1	Area	40.1	
Const. S Grader 1	Area	44.1	
Const. S Loader 1	Area	38.1	
Const. S Tractor Loader Backhoe 1	Area	43.1	
Receiver R16 (Trail) Leq,d 42.2 dB(A)			
Const. S Excavator 1	Area	34.3	
Const. S Grader 1	Area	38.3	
Const. S Loader 1	Area	32.3	
Const. S Tractor Loader Backhoe 1	Area	37.3	

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Buena Vista
Source Levels in dB(A) - 01e Phase 1 Mat Foundation

Name	Source type	Lw dB(A)	
Const. S Cement Mortar Mixer 1	Area	108.6	
Const. S Cement Mortar Mixer 2	Area	108.6	
Const. S Cement Mortar Mixer 3	Area	108.6	
Const. S Cement Mortar Mixer 4	Area	108.6	
Const. S Cement Mortar Mixer 5	Area	108.6	
Const. S Cement Mortar Mixer 6	Area	108.6	
Const. S Pump 1	Area	109.6	
Const. S Pump 2	Area	109.6	
Const. S Pump 3	Area	109.6	
Const. S Pump 4	Area	109.6	
Const. S Pump 5	Area	109.6	
Const. S Pump 6	Area	109.6	
Const. S Pump 7	Area	109.6	
Const. S Pump 8	Area	109.6	

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Buena Vista Calculated Noise Levels - 01e Phase 1 Mat Foundation

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 62.2 dB(A)			
Const. S Cement Mortar Mixer 1	Area	50.2	
Const. S Cement Mortar Mixer 2	Area	50.2	
Const. S Cement Mortar Mixer 3	Area	50.2	
Const. S Cement Mortar Mixer 4	Area	50.2	
Const. S Cement Mortar Mixer 5	Area	50.2	
Const. S Cement Mortar Mixer 6	Area	50.2	
Const. S Pump 1	Area	51.2	
Const. S Pump 2	Area	51.2	
Const. S Pump 3	Area	51.2	
Const. S Pump 4	Area	51.2	
Const. S Pump 5	Area	51.2	
Const. S Pump 6	Area	51.2	
Const. S Pump 7	Area	51.2	
Const. S Pump 8	Area	51.2	
Receiver R2 Leq,d 61.4 dB(A)			
Const. S Cement Mortar Mixer 1	Area	49.4	
Const. S Cement Mortar Mixer 2	Area	49.4	
Const. S Cement Mortar Mixer 3	Area	49.4	
Const. S Cement Mortar Mixer 4	Area	49.4	
Const. S Cement Mortar Mixer 5	Area	49.4	
Const. S Cement Mortar Mixer 6	Area	49.4	
Const. S Pump 1	Area	50.4	
Const. S Pump 2	Area	50.4	
Const. S Pump 3	Area	50.4	
Const. S Pump 4	Area	50.4	
Const. S Pump 5	Area	50.4	
Const. S Pump 6	Area	50.4	
Const. S Pump 7	Area	50.4	
Const. S Pump 8	Area	50.4	
Receiver R3 Leq,d 56.4 dB(A)			
Const. S Cement Mortar Mixer 1	Area	44.3	
Const. S Cement Mortar Mixer 2	Area	44.3	
Const. S Cement Mortar Mixer 3	Area	44.3	
Const. S Cement Mortar Mixer 4	Area	44.3	
Const. S Cement Mortar Mixer 5	Area	44.3	
Const. S Cement Mortar Mixer 6	Area	44.3	
Const. S Pump 1	Area	45.3	
Const. S Pump 2	Area	45.3	
Const. S Pump 3	Area	45.3	
Const. S Pump 4	Area	45.3	
Const. S Pump 5	Area	45.3	
Const. S Pump 6	Area	45.3	

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Buena Vista Calculated Noise Levels - 01e Phase 1 Mat Foundation

Source	Source type	Leq,d dB(A)	
Const. S Pump 7	Area	45.3	
Const. S Pump 8	Area	45.3	
Receiver R4 Leq,d 72.2 dB(A)			
Const. S Cement Mortar Mixer 1	Area	60.1	
Const. S Cement Mortar Mixer 2	Area	60.1	
Const. S Cement Mortar Mixer 3	Area	60.1	
Const. S Cement Mortar Mixer 4	Area	60.1	
Const. S Cement Mortar Mixer 5	Area	60.1	
Const. S Cement Mortar Mixer 6	Area	60.1	
Const. S Pump 1	Area	61.1	
Const. S Pump 2	Area	61.1	
Const. S Pump 3	Area	61.1	
Const. S Pump 4	Area	61.1	
Const. S Pump 5	Area	61.1	
Const. S Pump 6	Area	61.1	
Const. S Pump 7	Area	61.1	
Const. S Pump 8	Area	61.1	
Receiver R5 Leq,d 60.3 dB(A)			
Const. S Cement Mortar Mixer 1	Area	48.2	
Const. S Cement Mortar Mixer 2	Area	48.2	
Const. S Cement Mortar Mixer 3	Area	48.2	
Const. S Cement Mortar Mixer 4	Area	48.2	
Const. S Cement Mortar Mixer 5	Area	48.2	
Const. S Cement Mortar Mixer 6	Area	48.2	
Const. S Pump 1	Area	49.2	
Const. S Pump 2	Area	49.2	
Const. S Pump 3	Area	49.2	
Const. S Pump 4	Area	49.2	
Const. S Pump 5	Area	49.2	
Const. S Pump 6	Area	49.2	
Const. S Pump 7	Area	49.2	
Const. S Pump 8	Area	49.2	
Receiver R6 Leq,d 67.7 dB(A)			
Const. S Cement Mortar Mixer 1	Area	55.6	
Const. S Cement Mortar Mixer 2	Area	55.6	
Const. S Cement Mortar Mixer 3	Area	55.6	
Const. S Cement Mortar Mixer 4	Area	55.6	
Const. S Cement Mortar Mixer 5	Area	55.6	
Const. S Cement Mortar Mixer 6	Area	55.6	
Const. S Pump 1	Area	56.6	
Const. S Pump 2	Area	56.6	
Const. S Pump 3	Area	56.6	
Const. S Pump 4	Area	56.6	

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Buena Vista Calculated Noise Levels - 01e Phase 1 Mat Foundation

Source	Source type	Leq,d dB(A)	
Const. S Pump 5	Area	56.6	
Const. S Pump 6	Area	56.6	
Const. S Pump 7	Area	56.6	
Const. S Pump 8	Area	56.6	
Receiver R7 Leq,d 57.3 dB(A)			
Const. S Cement Mortar Mixer 1	Area	45.3	
Const. S Cement Mortar Mixer 2	Area	45.3	
Const. S Cement Mortar Mixer 3	Area	45.3	
Const. S Cement Mortar Mixer 4	Area	45.3	
Const. S Cement Mortar Mixer 5	Area	45.3	
Const. S Cement Mortar Mixer 6	Area	45.3	
Const. S Pump 1	Area	46.3	
Const. S Pump 2	Area	46.3	
Const. S Pump 3	Area	46.3	
Const. S Pump 4	Area	46.3	
Const. S Pump 5	Area	46.3	
Const. S Pump 6	Area	46.3	
Const. S Pump 7	Area	46.3	
Const. S Pump 8	Area	46.3	
Receiver R8 Leq,d 53.6 dB(A)			
Const. S Cement Mortar Mixer 1	Area	41.5	
Const. S Cement Mortar Mixer 2	Area	41.5	
Const. S Cement Mortar Mixer 3	Area	41.5	
Const. S Cement Mortar Mixer 4	Area	41.5	
Const. S Cement Mortar Mixer 5	Area	41.5	
Const. S Cement Mortar Mixer 6	Area	41.5	
Const. S Pump 1	Area	42.5	
Const. S Pump 2	Area	42.5	
Const. S Pump 3	Area	42.5	
Const. S Pump 4	Area	42.5	
Const. S Pump 5	Area	42.5	
Const. S Pump 6	Area	42.5	
Const. S Pump 7	Area	42.5	
Const. S Pump 8	Area	42.5	
Receiver R9 Leq,d 44.4 dB(A)			
Const. S Cement Mortar Mixer 1	Area	32.3	
Const. S Cement Mortar Mixer 2	Area	32.3	
Const. S Cement Mortar Mixer 3	Area	32.3	
Const. S Cement Mortar Mixer 4	Area	32.3	
Const. S Cement Mortar Mixer 5	Area	32.3	
Const. S Cement Mortar Mixer 6	Area	32.3	
Const. S Pump 1	Area	33.3	
Const. S Pump 2	Area	33.3	

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Buena Vista Calculated Noise Levels - 01e Phase 1 Mat Foundation

Source	Source type	Leq,d dB(A)	
Const. S Pump 3	Area	33.3	
Const. S Pump 4	Area	33.3	
Const. S Pump 5	Area	33.3	
Const. S Pump 6	Area	33.3	
Const. S Pump 7	Area	33.3	
Const. S Pump 8	Area	33.3	
Receiver R10 Leq,d 48.5 dB(A)			
Const. S Cement Mortar Mixer 1	Area	36.4	
Const. S Cement Mortar Mixer 2	Area	36.4	
Const. S Cement Mortar Mixer 3	Area	36.4	
Const. S Cement Mortar Mixer 4	Area	36.4	
Const. S Cement Mortar Mixer 5	Area	36.4	
Const. S Cement Mortar Mixer 6	Area	36.4	
Const. S Pump 1	Area	37.4	
Const. S Pump 2	Area	37.4	
Const. S Pump 3	Area	37.4	
Const. S Pump 4	Area	37.4	
Const. S Pump 5	Area	37.4	
Const. S Pump 6	Area	37.4	
Const. S Pump 7	Area	37.4	
Const. S Pump 8	Area	37.4	
Receiver R11 Leq,d 65.9 dB(A)			
Const. S Cement Mortar Mixer 1	Area	53.8	
Const. S Cement Mortar Mixer 2	Area	53.8	
Const. S Cement Mortar Mixer 3	Area	53.8	
Const. S Cement Mortar Mixer 4	Area	53.8	
Const. S Cement Mortar Mixer 5	Area	53.8	
Const. S Cement Mortar Mixer 6	Area	53.8	
Const. S Pump 1	Area	54.8	
Const. S Pump 2	Area	54.8	
Const. S Pump 3	Area	54.8	
Const. S Pump 4	Area	54.8	
Const. S Pump 5	Area	54.8	
Const. S Pump 6	Area	54.8	
Const. S Pump 7	Area	54.8	
Const. S Pump 8	Area	54.8	
Receiver R12 Leq,d 49.6 dB(A)			
Const. S Cement Mortar Mixer 1	Area	37.5	
Const. S Cement Mortar Mixer 2	Area	37.5	
Const. S Cement Mortar Mixer 3	Area	37.5	
Const. S Cement Mortar Mixer 4	Area	37.5	
Const. S Cement Mortar Mixer 5	Area	37.5	
Const. S Cement Mortar Mixer 6	Area	37.5	

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Buena Vista
Calculated Noise Levels - 01e Phase 1 Mat Foundation

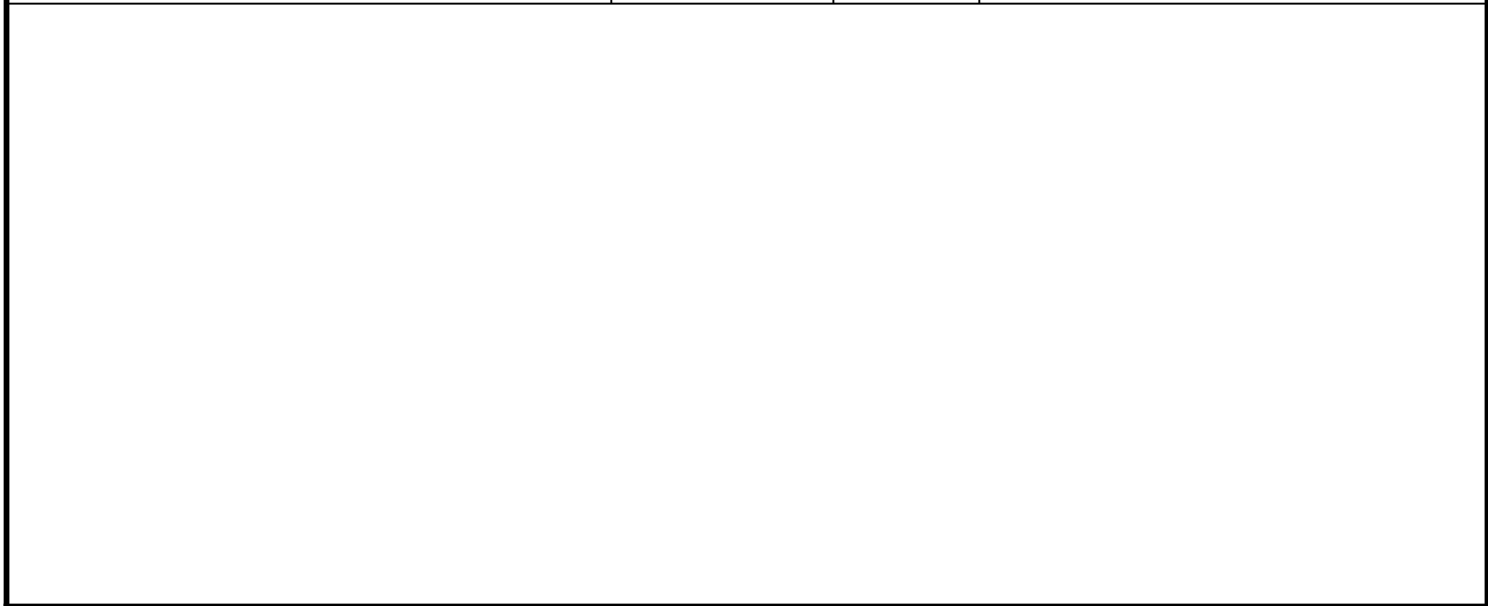
Source	Source type	Leq,d dB(A)	
Const. S Pump 1	Area	38.5	
Const. S Pump 2	Area	38.5	
Const. S Pump 3	Area	38.5	
Const. S Pump 4	Area	38.5	
Const. S Pump 5	Area	38.5	
Const. S Pump 6	Area	38.5	
Const. S Pump 7	Area	38.5	
Const. S Pump 8	Area	38.5	
Receiver R13 Leq,d 58.5 dB(A)			
Const. S Cement Mortar Mixer 1	Area	46.5	
Const. S Cement Mortar Mixer 2	Area	46.5	
Const. S Cement Mortar Mixer 3	Area	46.5	
Const. S Cement Mortar Mixer 4	Area	46.5	
Const. S Cement Mortar Mixer 5	Area	46.5	
Const. S Cement Mortar Mixer 6	Area	46.5	
Const. S Pump 1	Area	47.5	
Const. S Pump 2	Area	47.5	
Const. S Pump 3	Area	47.5	
Const. S Pump 4	Area	47.5	
Const. S Pump 5	Area	47.5	
Const. S Pump 6	Area	47.5	
Const. S Pump 7	Area	47.5	
Const. S Pump 8	Area	47.5	
Receiver R14 Leq,d 40.6 dB(A)			
Const. S Cement Mortar Mixer 1	Area	28.5	
Const. S Cement Mortar Mixer 2	Area	28.5	
Const. S Cement Mortar Mixer 3	Area	28.5	
Const. S Cement Mortar Mixer 4	Area	28.5	
Const. S Cement Mortar Mixer 5	Area	28.5	
Const. S Cement Mortar Mixer 6	Area	28.5	
Const. S Pump 1	Area	29.5	
Const. S Pump 2	Area	29.5	
Const. S Pump 3	Area	29.5	
Const. S Pump 4	Area	29.5	
Const. S Pump 5	Area	29.5	
Const. S Pump 6	Area	29.5	
Const. S Pump 7	Area	29.5	
Const. S Pump 8	Area	29.5	
Receiver R15 (Trail) Leq,d 52.0 dB(A)			
Const. S Cement Mortar Mixer 1	Area	39.9	
Const. S Cement Mortar Mixer 2	Area	39.9	
Const. S Cement Mortar Mixer 3	Area	39.9	
Const. S Cement Mortar Mixer 4	Area	39.9	

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Buena Vista Calculated Noise Levels - 01e Phase 1 Mat Foundation

Source	Source type	Leq,d dB(A)	
Const. S Cement Mortar Mixer 5	Area	39.9	
Const. S Cement Mortar Mixer 6	Area	39.9	
Const. S Pump 1	Area	40.9	
Const. S Pump 2	Area	40.9	
Const. S Pump 3	Area	40.9	
Const. S Pump 4	Area	40.9	
Const. S Pump 5	Area	40.9	
Const. S Pump 6	Area	40.9	
Const. S Pump 7	Area	40.9	
Const. S Pump 8	Area	40.9	
Receiver R16 (Trail) Leq,d 46.0 dB(A)			
Const. S Cement Mortar Mixer 1	Area	33.9	
Const. S Cement Mortar Mixer 2	Area	33.9	
Const. S Cement Mortar Mixer 3	Area	33.9	
Const. S Cement Mortar Mixer 4	Area	33.9	
Const. S Cement Mortar Mixer 5	Area	33.9	
Const. S Cement Mortar Mixer 6	Area	33.9	
Const. S Pump 1	Area	34.9	
Const. S Pump 2	Area	34.9	
Const. S Pump 3	Area	34.9	
Const. S Pump 4	Area	34.9	
Const. S Pump 5	Area	34.9	
Const. S Pump 6	Area	34.9	
Const. S Pump 7	Area	34.9	
Const. S Pump 8	Area	34.9	



Buena Vista
Source Levels in dB(A) - 01f Phase 1 Construction

Name	Source type	Lw dB(A)	
Const. S Aerial Lift 1	Area	99.7	
Const. S Aerial Lift 2	Area	99.7	
Const. S Aerial Lift 3	Area	99.7	
Const. S Aerial Lift 4	Area	99.7	
Const. S Air Compressor 1	Area	105.7	
Const. S Air Compressor 2	Area	105.7	
Const. S Air Compressor 3	Area	105.7	
Const. S Air Compressor 4	Area	105.7	
Const. S Cement Mortar Mixer 1	Area	108.6	
Const. S Cement Mortar Mixer 2	Area	108.6	
Const. S Crane 1	Area	104.7	
Const. S Crane 2	Area	104.7	
Const. S Crane 3	Area	104.7	
Const. S Forklift 1	Area	99.7	
Const. S Forklift 2	Area	99.7	
Const. S Forklift 3	Area	99.7	
Const. S Generator 1	Area	109.6	
Const. S Pump 1	Area	109.6	
Const. S Pump 2	Area	109.6	
Const. S Tractor Loader Backhoe 1	Area	111.7	
Const. S Tractor Loader Backhoe 2	Area	111.7	
Const. S Tractor Loader Backhoe 3	Area	111.7	
Const. S Welder 1	Area	101.7	

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Buena Vista Calculated Noise Levels - 01f Phase 1 Construction

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 62.4 dB(A)			
Const. S Aerial Lift 1	Area	41.4	
Const. S Aerial Lift 2	Area	41.4	
Const. S Aerial Lift 3	Area	41.4	
Const. S Aerial Lift 4	Area	41.4	
Const. S Air Compressor 1	Area	47.3	
Const. S Air Compressor 2	Area	47.3	
Const. S Air Compressor 3	Area	47.3	
Const. S Air Compressor 4	Area	47.3	
Const. S Cement Mortar Mixer 1	Area	50.2	
Const. S Cement Mortar Mixer 2	Area	50.2	
Const. S Crane 1	Area	46.4	
Const. S Crane 2	Area	46.4	
Const. S Crane 3	Area	46.4	
Const. S Forklift 1	Area	41.4	
Const. S Forklift 2	Area	41.4	
Const. S Forklift 3	Area	41.4	
Const. S Generator 1	Area	51.2	
Const. S Pump 1	Area	51.2	
Const. S Pump 2	Area	51.2	
Const. S Tractor Loader Backhoe 1	Area	53.4	
Const. S Tractor Loader Backhoe 2	Area	53.4	
Const. S Tractor Loader Backhoe 3	Area	53.4	
Const. S Welder 1	Area	43.3	
Receiver R2 Leq,d 62.2 dB(A)			
Const. S Aerial Lift 1	Area	41.8	
Const. S Aerial Lift 2	Area	41.8	
Const. S Aerial Lift 3	Area	41.8	
Const. S Aerial Lift 4	Area	41.8	
Const. S Air Compressor 1	Area	46.5	
Const. S Air Compressor 2	Area	46.5	
Const. S Air Compressor 3	Area	46.5	
Const. S Air Compressor 4	Area	46.5	
Const. S Cement Mortar Mixer 1	Area	49.4	
Const. S Cement Mortar Mixer 2	Area	49.4	
Const. S Crane 1	Area	46.8	
Const. S Crane 2	Area	46.8	
Const. S Crane 3	Area	46.8	
Const. S Forklift 1	Area	41.8	
Const. S Forklift 2	Area	41.8	
Const. S Forklift 3	Area	41.8	
Const. S Generator 1	Area	50.4	
Const. S Pump 1	Area	50.4	

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Buena Vista Calculated Noise Levels - 01f Phase 1 Construction

Source	Source type	Leq,d dB(A)	
Const. S Pump 2	Area	50.4	
Const. S Tractor Loader Backhoe 1	Area	53.8	
Const. S Tractor Loader Backhoe 2	Area	53.8	
Const. S Tractor Loader Backhoe 3	Area	53.8	
Const. S Welder 1	Area	42.5	
Receiver R3 Leq,d 57.0 dB(A)			
Const. S Aerial Lift 1	Area	36.5	
Const. S Aerial Lift 2	Area	36.5	
Const. S Aerial Lift 3	Area	36.5	
Const. S Aerial Lift 4	Area	36.5	
Const. S Air Compressor 1	Area	41.4	
Const. S Air Compressor 2	Area	41.4	
Const. S Air Compressor 3	Area	41.4	
Const. S Air Compressor 4	Area	41.4	
Const. S Cement Mortar Mixer 1	Area	44.3	
Const. S Cement Mortar Mixer 2	Area	44.3	
Const. S Crane 1	Area	41.5	
Const. S Crane 2	Area	41.5	
Const. S Crane 3	Area	41.5	
Const. S Forklift 1	Area	36.5	
Const. S Forklift 2	Area	36.5	
Const. S Forklift 3	Area	36.5	
Const. S Generator 1	Area	45.3	
Const. S Pump 1	Area	45.3	
Const. S Pump 2	Area	45.3	
Const. S Tractor Loader Backhoe 1	Area	48.5	
Const. S Tractor Loader Backhoe 2	Area	48.5	
Const. S Tractor Loader Backhoe 3	Area	48.5	
Const. S Welder 1	Area	37.4	
Receiver R4 Leq,d 72.6 dB(A)			
Const. S Aerial Lift 1	Area	51.9	
Const. S Aerial Lift 2	Area	51.9	
Const. S Aerial Lift 3	Area	51.9	
Const. S Aerial Lift 4	Area	51.9	
Const. S Air Compressor 1	Area	57.2	
Const. S Air Compressor 2	Area	57.2	
Const. S Air Compressor 3	Area	57.2	
Const. S Air Compressor 4	Area	57.2	
Const. S Cement Mortar Mixer 1	Area	60.1	
Const. S Cement Mortar Mixer 2	Area	60.1	
Const. S Crane 1	Area	56.9	
Const. S Crane 2	Area	56.9	
Const. S Crane 3	Area	56.9	

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Buena Vista Calculated Noise Levels - 01f Phase 1 Construction

Source	Source type	Leq,d dB(A)	
Const. S Forklift 1	Area	51.9	
Const. S Forklift 2	Area	51.9	
Const. S Forklift 3	Area	51.9	
Const. S Generator 1	Area	61.1	
Const. S Pump 1	Area	61.1	
Const. S Pump 2	Area	61.1	
Const. S Tractor Loader Backhoe 1	Area	63.9	
Const. S Tractor Loader Backhoe 2	Area	63.9	
Const. S Tractor Loader Backhoe 3	Area	63.9	
Const. S Welder 1	Area	53.2	
Receiver R5 Leq,d 61.4 dB(A)			
Const. S Aerial Lift 1	Area	41.1	
Const. S Aerial Lift 2	Area	41.1	
Const. S Aerial Lift 3	Area	41.1	
Const. S Aerial Lift 4	Area	41.1	
Const. S Air Compressor 1	Area	45.3	
Const. S Air Compressor 2	Area	45.3	
Const. S Air Compressor 3	Area	45.3	
Const. S Air Compressor 4	Area	45.3	
Const. S Cement Mortar Mixer 1	Area	48.2	
Const. S Cement Mortar Mixer 2	Area	48.2	
Const. S Crane 1	Area	46.1	
Const. S Crane 2	Area	46.1	
Const. S Crane 3	Area	46.1	
Const. S Forklift 1	Area	41.1	
Const. S Forklift 2	Area	41.1	
Const. S Forklift 3	Area	41.1	
Const. S Generator 1	Area	49.2	
Const. S Pump 1	Area	49.2	
Const. S Pump 2	Area	49.2	
Const. S Tractor Loader Backhoe 1	Area	53.1	
Const. S Tractor Loader Backhoe 2	Area	53.1	
Const. S Tractor Loader Backhoe 3	Area	53.1	
Const. S Welder 1	Area	41.3	
Receiver R6 Leq,d 68.3 dB(A)			
Const. S Aerial Lift 1	Area	47.7	
Const. S Aerial Lift 2	Area	47.7	
Const. S Aerial Lift 3	Area	47.7	
Const. S Aerial Lift 4	Area	47.7	
Const. S Air Compressor 1	Area	52.7	
Const. S Air Compressor 2	Area	52.7	
Const. S Air Compressor 3	Area	52.7	
Const. S Air Compressor 4	Area	52.7	

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Buena Vista Calculated Noise Levels - 01f Phase 1 Construction

Source	Source type	Leq,d dB(A)	
Const. S Cement Mortar Mixer 1	Area	55.6	
Const. S Cement Mortar Mixer 2	Area	55.6	
Const. S Crane 1	Area	52.7	
Const. S Crane 2	Area	52.7	
Const. S Crane 3	Area	52.7	
Const. S Forklift 1	Area	47.7	
Const. S Forklift 2	Area	47.7	
Const. S Forklift 3	Area	47.7	
Const. S Generator 1	Area	56.6	
Const. S Pump 1	Area	56.6	
Const. S Pump 2	Area	56.6	
Const. S Tractor Loader Backhoe 1	Area	59.7	
Const. S Tractor Loader Backhoe 2	Area	59.7	
Const. S Tractor Loader Backhoe 3	Area	59.7	
Const. S Welder 1	Area	48.7	
Receiver R7 Leq,d 57.6 dB(A)			
Const. S Aerial Lift 1	Area	36.8	
Const. S Aerial Lift 2	Area	36.8	
Const. S Aerial Lift 3	Area	36.8	
Const. S Aerial Lift 4	Area	36.8	
Const. S Air Compressor 1	Area	42.4	
Const. S Air Compressor 2	Area	42.4	
Const. S Air Compressor 3	Area	42.4	
Const. S Air Compressor 4	Area	42.4	
Const. S Cement Mortar Mixer 1	Area	45.3	
Const. S Cement Mortar Mixer 2	Area	45.3	
Const. S Crane 1	Area	41.8	
Const. S Crane 2	Area	41.8	
Const. S Crane 3	Area	41.8	
Const. S Forklift 1	Area	36.8	
Const. S Forklift 2	Area	36.8	
Const. S Forklift 3	Area	36.8	
Const. S Generator 1	Area	46.3	
Const. S Pump 1	Area	46.3	
Const. S Pump 2	Area	46.3	
Const. S Tractor Loader Backhoe 1	Area	48.8	
Const. S Tractor Loader Backhoe 2	Area	48.8	
Const. S Tractor Loader Backhoe 3	Area	48.8	
Const. S Welder 1	Area	38.4	
Receiver R8 Leq,d 53.6 dB(A)			
Const. S Aerial Lift 1	Area	32.6	
Const. S Aerial Lift 2	Area	32.6	
Const. S Aerial Lift 3	Area	32.6	

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Buena Vista Calculated Noise Levels - 01f Phase 1 Construction

Source	Source type	Leq,d dB(A)	
Const. S Aerial Lift 4	Area	32.6	
Const. S Air Compressor 1	Area	38.6	
Const. S Air Compressor 2	Area	38.6	
Const. S Air Compressor 3	Area	38.6	
Const. S Air Compressor 4	Area	38.6	
Const. S Cement Mortar Mixer 1	Area	41.5	
Const. S Cement Mortar Mixer 2	Area	41.5	
Const. S Crane 1	Area	37.6	
Const. S Crane 2	Area	37.6	
Const. S Crane 3	Area	37.6	
Const. S Forklift 1	Area	32.6	
Const. S Forklift 2	Area	32.6	
Const. S Forklift 3	Area	32.6	
Const. S Generator 1	Area	42.5	
Const. S Pump 1	Area	42.5	
Const. S Pump 2	Area	42.5	
Const. S Tractor Loader Backhoe 1	Area	44.6	
Const. S Tractor Loader Backhoe 2	Area	44.6	
Const. S Tractor Loader Backhoe 3	Area	44.6	
Const. S Welder 1	Area	34.6	
Receiver R9 Leq,d 44.6 dB(A)			
Const. S Aerial Lift 1	Area	23.7	
Const. S Aerial Lift 2	Area	23.7	
Const. S Aerial Lift 3	Area	23.7	
Const. S Aerial Lift 4	Area	23.7	
Const. S Air Compressor 1	Area	29.4	
Const. S Air Compressor 2	Area	29.4	
Const. S Air Compressor 3	Area	29.4	
Const. S Air Compressor 4	Area	29.4	
Const. S Cement Mortar Mixer 1	Area	32.3	
Const. S Cement Mortar Mixer 2	Area	32.3	
Const. S Crane 1	Area	28.7	
Const. S Crane 2	Area	28.7	
Const. S Crane 3	Area	28.7	
Const. S Forklift 1	Area	23.7	
Const. S Forklift 2	Area	23.7	
Const. S Forklift 3	Area	23.7	
Const. S Generator 1	Area	33.3	
Const. S Pump 1	Area	33.3	
Const. S Pump 2	Area	33.3	
Const. S Tractor Loader Backhoe 1	Area	35.7	
Const. S Tractor Loader Backhoe 2	Area	35.7	
Const. S Tractor Loader Backhoe 3	Area	35.7	

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Buena Vista Calculated Noise Levels - 01f Phase 1 Construction

Source	Source type	Leq,d dB(A)	
Const. S Welder 1	Area	25.4	
Receiver R10 Leq,d 48.6 dB(A)			
Const. S Aerial Lift 1	Area	27.6	
Const. S Aerial Lift 2	Area	27.6	
Const. S Aerial Lift 3	Area	27.6	
Const. S Aerial Lift 4	Area	27.6	
Const. S Air Compressor 1	Area	33.5	
Const. S Air Compressor 2	Area	33.5	
Const. S Air Compressor 3	Area	33.5	
Const. S Air Compressor 4	Area	33.5	
Const. S Cement Mortar Mixer 1	Area	36.4	
Const. S Cement Mortar Mixer 2	Area	36.4	
Const. S Crane 1	Area	32.6	
Const. S Crane 2	Area	32.6	
Const. S Crane 3	Area	32.6	
Const. S Forklift 1	Area	27.6	
Const. S Forklift 2	Area	27.6	
Const. S Forklift 3	Area	27.6	
Const. S Generator 1	Area	37.4	
Const. S Pump 1	Area	37.4	
Const. S Pump 2	Area	37.4	
Const. S Tractor Loader Backhoe 1	Area	39.6	
Const. S Tractor Loader Backhoe 2	Area	39.6	
Const. S Tractor Loader Backhoe 3	Area	39.6	
Const. S Welder 1	Area	29.5	
Receiver R11 Leq,d 66.1 dB(A)			
Const. S Aerial Lift 1	Area	45.2	
Const. S Aerial Lift 2	Area	45.2	
Const. S Aerial Lift 3	Area	45.2	
Const. S Aerial Lift 4	Area	45.2	
Const. S Air Compressor 1	Area	50.9	
Const. S Air Compressor 2	Area	50.9	
Const. S Air Compressor 3	Area	50.9	
Const. S Air Compressor 4	Area	50.9	
Const. S Cement Mortar Mixer 1	Area	53.8	
Const. S Cement Mortar Mixer 2	Area	53.8	
Const. S Crane 1	Area	50.2	
Const. S Crane 2	Area	50.2	
Const. S Crane 3	Area	50.2	
Const. S Forklift 1	Area	45.2	
Const. S Forklift 2	Area	45.2	
Const. S Forklift 3	Area	45.2	
Const. S Generator 1	Area	54.8	

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Buena Vista Calculated Noise Levels - 01f Phase 1 Construction

Source	Source type	Leq,d dB(A)	
Const. S Pump 1	Area	54.8	
Const. S Pump 2	Area	54.8	
Const. S Tractor Loader Backhoe 1	Area	57.2	
Const. S Tractor Loader Backhoe 2	Area	57.2	
Const. S Tractor Loader Backhoe 3	Area	57.2	
Const. S Welder 1	Area	46.9	
Receiver R12 Leq,d 49.7 dB(A)			
Const. S Aerial Lift 1	Area	28.7	
Const. S Aerial Lift 2	Area	28.7	
Const. S Aerial Lift 3	Area	28.7	
Const. S Aerial Lift 4	Area	28.7	
Const. S Air Compressor 1	Area	34.6	
Const. S Air Compressor 2	Area	34.6	
Const. S Air Compressor 3	Area	34.6	
Const. S Air Compressor 4	Area	34.6	
Const. S Cement Mortar Mixer 1	Area	37.5	
Const. S Cement Mortar Mixer 2	Area	37.5	
Const. S Crane 1	Area	33.7	
Const. S Crane 2	Area	33.7	
Const. S Crane 3	Area	33.7	
Const. S Forklift 1	Area	28.7	
Const. S Forklift 2	Area	28.7	
Const. S Forklift 3	Area	28.7	
Const. S Generator 1	Area	38.5	
Const. S Pump 1	Area	38.5	
Const. S Pump 2	Area	38.5	
Const. S Tractor Loader Backhoe 1	Area	40.7	
Const. S Tractor Loader Backhoe 2	Area	40.7	
Const. S Tractor Loader Backhoe 3	Area	40.7	
Const. S Welder 1	Area	30.6	
Receiver R13 Leq,d 58.6 dB(A)			
Const. S Aerial Lift 1	Area	37.7	
Const. S Aerial Lift 2	Area	37.7	
Const. S Aerial Lift 3	Area	37.7	
Const. S Aerial Lift 4	Area	37.7	
Const. S Air Compressor 1	Area	43.6	
Const. S Air Compressor 2	Area	43.6	
Const. S Air Compressor 3	Area	43.6	
Const. S Air Compressor 4	Area	43.6	
Const. S Cement Mortar Mixer 1	Area	46.5	
Const. S Cement Mortar Mixer 2	Area	46.5	
Const. S Crane 1	Area	42.7	
Const. S Crane 2	Area	42.7	

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Buena Vista Calculated Noise Levels - 01f Phase 1 Construction

Source	Source type	Leq,d dB(A)	
Const. S Crane 3	Area	42.7	
Const. S Forklift 1	Area	37.7	
Const. S Forklift 2	Area	37.7	
Const. S Forklift 3	Area	37.7	
Const. S Generator 1	Area	47.5	
Const. S Pump 1	Area	47.5	
Const. S Pump 2	Area	47.5	
Const. S Tractor Loader Backhoe 1	Area	49.7	
Const. S Tractor Loader Backhoe 2	Area	49.7	
Const. S Tractor Loader Backhoe 3	Area	49.7	
Const. S Welder 1	Area	39.6	
Receiver R14 Leq,d 40.9 dB(A)			
Const. S Aerial Lift 1	Area	20.2	
Const. S Aerial Lift 2	Area	20.2	
Const. S Aerial Lift 3	Area	20.2	
Const. S Aerial Lift 4	Area	20.2	
Const. S Air Compressor 1	Area	25.6	
Const. S Air Compressor 2	Area	25.6	
Const. S Air Compressor 3	Area	25.6	
Const. S Air Compressor 4	Area	25.6	
Const. S Cement Mortar Mixer 1	Area	28.5	
Const. S Cement Mortar Mixer 2	Area	28.5	
Const. S Crane 1	Area	25.2	
Const. S Crane 2	Area	25.2	
Const. S Crane 3	Area	25.2	
Const. S Forklift 1	Area	20.2	
Const. S Forklift 2	Area	20.2	
Const. S Forklift 3	Area	20.2	
Const. S Generator 1	Area	29.5	
Const. S Pump 1	Area	29.5	
Const. S Pump 2	Area	29.5	
Const. S Tractor Loader Backhoe 1	Area	32.2	
Const. S Tractor Loader Backhoe 2	Area	32.2	
Const. S Tractor Loader Backhoe 3	Area	32.2	
Const. S Welder 1	Area	21.6	
Receiver R15 (Trail) Leq,d 52.1 dB(A)			
Const. S Aerial Lift 1	Area	31.1	
Const. S Aerial Lift 2	Area	31.1	
Const. S Aerial Lift 3	Area	31.1	
Const. S Aerial Lift 4	Area	31.1	
Const. S Air Compressor 1	Area	37.0	
Const. S Air Compressor 2	Area	37.0	
Const. S Air Compressor 3	Area	37.0	

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Buena Vista Calculated Noise Levels - 01f Phase 1 Construction

Source	Source type	Leq,d dB(A)	
Const. S Air Compressor 4	Area	37.0	
Const. S Cement Mortar Mixer 1	Area	39.9	
Const. S Cement Mortar Mixer 2	Area	39.9	
Const. S Crane 1	Area	36.1	
Const. S Crane 2	Area	36.1	
Const. S Crane 3	Area	36.1	
Const. S Forklift 1	Area	31.1	
Const. S Forklift 2	Area	31.1	
Const. S Forklift 3	Area	31.1	
Const. S Generator 1	Area	40.9	
Const. S Pump 1	Area	40.9	
Const. S Pump 2	Area	40.9	
Const. S Tractor Loader Backhoe 1	Area	43.1	
Const. S Tractor Loader Backhoe 2	Area	43.1	
Const. S Tractor Loader Backhoe 3	Area	43.1	
Const. S Welder 1	Area	33.0	
Receiver R16 (Trail) Leq,d 46.2 dB(A)			
Const. S Aerial Lift 1	Area	25.3	
Const. S Aerial Lift 2	Area	25.3	
Const. S Aerial Lift 3	Area	25.3	
Const. S Aerial Lift 4	Area	25.3	
Const. S Air Compressor 1	Area	31.0	
Const. S Air Compressor 2	Area	31.0	
Const. S Air Compressor 3	Area	31.0	
Const. S Air Compressor 4	Area	31.0	
Const. S Cement Mortar Mixer 1	Area	33.9	
Const. S Cement Mortar Mixer 2	Area	33.9	
Const. S Crane 1	Area	30.3	
Const. S Crane 2	Area	30.3	
Const. S Crane 3	Area	30.3	
Const. S Forklift 1	Area	25.3	
Const. S Forklift 2	Area	25.3	
Const. S Forklift 3	Area	25.3	
Const. S Generator 1	Area	34.9	
Const. S Pump 1	Area	34.9	
Const. S Pump 2	Area	34.9	
Const. S Tractor Loader Backhoe 1	Area	37.3	
Const. S Tractor Loader Backhoe 2	Area	37.3	
Const. S Tractor Loader Backhoe 3	Area	37.3	
Const. S Welder 1	Area	27.0	

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Buena Vista
Source Levels in dB(A) - 01g Phase 1 Architectural Coating

Name	Source type	Lw dB(A)	
Const. S Aerial Lift 1	Area	99.7	
Const. S Aerial Lift 2	Area	99.7	
Const. S Aerial Lift 3	Area	99.7	
Const. S Air Compressor 1	Area	105.7	
Const. S Air Compressor 2	Area	105.7	
Const. S Air Compressor 3	Area	105.7	

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Buena Vista Calculated Noise Levels - 01g Phase 1 Architectural Coating

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 53.0 dB(A)			
Const. S Aerial Lift 1	Area	41.4	
Const. S Aerial Lift 2	Area	41.4	
Const. S Aerial Lift 3	Area	41.4	
Const. S Air Compressor 1	Area	47.3	
Const. S Air Compressor 2	Area	47.3	
Const. S Air Compressor 3	Area	47.3	
Receiver R2 Leq,d 52.5 dB(A)			
Const. S Aerial Lift 1	Area	41.8	
Const. S Aerial Lift 2	Area	41.8	
Const. S Aerial Lift 3	Area	41.8	
Const. S Air Compressor 1	Area	46.5	
Const. S Air Compressor 2	Area	46.5	
Const. S Air Compressor 3	Area	46.5	
Receiver R3 Leq,d 47.4 dB(A)			
Const. S Aerial Lift 1	Area	36.5	
Const. S Aerial Lift 2	Area	36.5	
Const. S Aerial Lift 3	Area	36.5	
Const. S Air Compressor 1	Area	41.4	
Const. S Air Compressor 2	Area	41.4	
Const. S Air Compressor 3	Area	41.4	
Receiver R4 Leq,d 63.1 dB(A)			
Const. S Aerial Lift 1	Area	51.9	
Const. S Aerial Lift 2	Area	51.9	
Const. S Aerial Lift 3	Area	51.9	
Const. S Air Compressor 1	Area	57.2	
Const. S Air Compressor 2	Area	57.2	
Const. S Air Compressor 3	Area	57.2	
Receiver R5 Leq,d 51.5 dB(A)			
Const. S Aerial Lift 1	Area	41.1	
Const. S Aerial Lift 2	Area	41.1	
Const. S Aerial Lift 3	Area	41.1	
Const. S Air Compressor 1	Area	45.3	
Const. S Air Compressor 2	Area	45.3	
Const. S Air Compressor 3	Area	45.3	
Receiver R6 Leq,d 58.7 dB(A)			
Const. S Aerial Lift 1	Area	47.7	
Const. S Aerial Lift 2	Area	47.7	
Const. S Aerial Lift 3	Area	47.7	
Const. S Air Compressor 1	Area	52.7	
Const. S Air Compressor 2	Area	52.7	
Const. S Air Compressor 3	Area	52.7	

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Buena Vista Calculated Noise Levels - 01g Phase 1 Architectural Coating

Source	Source type	Leq,d dB(A)	
Receiver R7 Leq,d 48.2 dB(A)			
Const. S Aerial Lift 1	Area	36.8	
Const. S Aerial Lift 2	Area	36.8	
Const. S Aerial Lift 3	Area	36.8	
Const. S Air Compressor 1	Area	42.4	
Const. S Air Compressor 2	Area	42.4	
Const. S Air Compressor 3	Area	42.4	
Receiver R8 Leq,d 44.3 dB(A)			
Const. S Aerial Lift 1	Area	32.6	
Const. S Aerial Lift 2	Area	32.6	
Const. S Aerial Lift 3	Area	32.6	
Const. S Air Compressor 1	Area	38.6	
Const. S Air Compressor 2	Area	38.6	
Const. S Air Compressor 3	Area	38.6	
Receiver R9 Leq,d 35.2 dB(A)			
Const. S Aerial Lift 1	Area	23.7	
Const. S Aerial Lift 2	Area	23.7	
Const. S Aerial Lift 3	Area	23.7	
Const. S Air Compressor 1	Area	29.4	
Const. S Air Compressor 2	Area	29.4	
Const. S Air Compressor 3	Area	29.4	
Receiver R10 Leq,d 39.3 dB(A)			
Const. S Aerial Lift 1	Area	27.6	
Const. S Aerial Lift 2	Area	27.6	
Const. S Aerial Lift 3	Area	27.6	
Const. S Air Compressor 1	Area	33.5	
Const. S Air Compressor 2	Area	33.5	
Const. S Air Compressor 3	Area	33.5	
Receiver R11 Leq,d 56.7 dB(A)			
Const. S Aerial Lift 1	Area	45.2	
Const. S Aerial Lift 2	Area	45.2	
Const. S Aerial Lift 3	Area	45.2	
Const. S Air Compressor 1	Area	50.9	
Const. S Air Compressor 2	Area	50.9	
Const. S Air Compressor 3	Area	50.9	
Receiver R12 Leq,d 40.4 dB(A)			
Const. S Aerial Lift 1	Area	28.7	
Const. S Aerial Lift 2	Area	28.7	
Const. S Aerial Lift 3	Area	28.7	
Const. S Air Compressor 1	Area	34.6	
Const. S Air Compressor 2	Area	34.6	
Const. S Air Compressor 3	Area	34.6	

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Buena Vista Calculated Noise Levels - 01g Phase 1 Architectural Coating

Source	Source type	Leq,d dB(A)	
Receiver R13 Leq,d 49.3 dB(A)			
Const. S Aerial Lift 1	Area	37.7	
Const. S Aerial Lift 2	Area	37.7	
Const. S Aerial Lift 3	Area	37.7	
Const. S Air Compressor 1	Area	43.6	
Const. S Air Compressor 2	Area	43.6	
Const. S Air Compressor 3	Area	43.6	
Receiver R14 Leq,d 31.5 dB(A)			
Const. S Aerial Lift 1	Area	20.2	
Const. S Aerial Lift 2	Area	20.2	
Const. S Aerial Lift 3	Area	20.2	
Const. S Air Compressor 1	Area	25.6	
Const. S Air Compressor 2	Area	25.6	
Const. S Air Compressor 3	Area	25.6	
Receiver R15 (Trail) Leq,d 42.8 dB(A)			
Const. S Aerial Lift 1	Area	31.1	
Const. S Aerial Lift 2	Area	31.1	
Const. S Aerial Lift 3	Area	31.1	
Const. S Air Compressor 1	Area	37.0	
Const. S Air Compressor 2	Area	37.0	
Const. S Air Compressor 3	Area	37.0	
Receiver R16 (Trail) Leq,d 36.8 dB(A)			
Const. S Aerial Lift 1	Area	25.3	
Const. S Aerial Lift 2	Area	25.3	
Const. S Aerial Lift 3	Area	25.3	
Const. S Air Compressor 1	Area	31.0	
Const. S Air Compressor 2	Area	31.0	
Const. S Air Compressor 3	Area	31.0	

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Buena Vista
Source Levels in dB(A) - 01g Phase 1 Landscape

Name	Source type	Lw dB(A)	
Construction South Landscape Paver 1	Area	105.6	
Construction South Landscape Paving Equipment 1	Area	105.6	
Construction South Landscape Paving Equipment 2	Area	105.6	
Construction South Landscape Pump 1	Area	109.6	

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Buena Vista Calculated Noise Levels - 01g Phase 1 Landscape

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 54.4 dB(A)			
Construction South Landscape Paver 1	Area	47.0	
Construction South Landscape Paving Equipment 1	Area	47.0	
Construction South Landscape Paving Equipment 2	Area	47.0	
Construction South Landscape Pump 1	Area	51.0	
Receiver R2 Leq,d 54.6 dB(A)			
Construction South Landscape Paver 1	Area	47.2	
Construction South Landscape Paving Equipment 1	Area	47.2	
Construction South Landscape Paving Equipment 2	Area	47.2	
Construction South Landscape Pump 1	Area	51.2	
Receiver R3 Leq,d 49.8 dB(A)			
Construction South Landscape Paver 1	Area	42.4	
Construction South Landscape Paving Equipment 1	Area	42.4	
Construction South Landscape Paving Equipment 2	Area	42.4	
Construction South Landscape Pump 1	Area	46.4	
Receiver R4 Leq,d 64.7 dB(A)			
Construction South Landscape Paver 1	Area	57.3	
Construction South Landscape Paving Equipment 1	Area	57.3	
Construction South Landscape Paving Equipment 2	Area	57.3	
Construction South Landscape Pump 1	Area	61.3	
Receiver R5 Leq,d 54.0 dB(A)			
Construction South Landscape Paver 1	Area	46.6	
Construction South Landscape Paving Equipment 1	Area	46.6	
Construction South Landscape Paving Equipment 2	Area	46.6	
Construction South Landscape Pump 1	Area	50.6	
Receiver R6 Leq,d 60.9 dB(A)			
Construction South Landscape Paver 1	Area	53.5	
Construction South Landscape Paving Equipment 1	Area	53.5	
Construction South Landscape Paving Equipment 2	Area	53.5	
Construction South Landscape Pump 1	Area	57.5	
Receiver R7 Leq,d 53.4 dB(A)			
Construction South Landscape Paver 1	Area	46.0	
Construction South Landscape Paving Equipment 1	Area	46.0	
Construction South Landscape Paving Equipment 2	Area	46.0	
Construction South Landscape Pump 1	Area	50.0	
Receiver R8 Leq,d 47.4 dB(A)			
Construction South Landscape Paver 1	Area	40.0	
Construction South Landscape Paving Equipment 1	Area	40.0	
Construction South Landscape Paving Equipment 2	Area	40.0	
Construction South Landscape Pump 1	Area	44.0	
Receiver R9 Leq,d 37.0 dB(A)			

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Buena Vista Calculated Noise Levels - 01g Phase 1 Landscape

Source	Source type	Leq,d dB(A)	
Construction South Landscape Paver 1	Area	29.6	
Construction South Landscape Paving Equipment 1	Area	29.6	
Construction South Landscape Paving Equipment 2	Area	29.6	
Construction South Landscape Pump 1	Area	33.6	
Receiver R10 Leq,d 41.6 dB(A)			
Construction South Landscape Paver 1	Area	34.2	
Construction South Landscape Paving Equipment 1	Area	34.2	
Construction South Landscape Paving Equipment 2	Area	34.2	
Construction South Landscape Pump 1	Area	38.2	
Receiver R11 Leq,d 58.0 dB(A)			
Construction South Landscape Paver 1	Area	50.6	
Construction South Landscape Paving Equipment 1	Area	50.6	
Construction South Landscape Paving Equipment 2	Area	50.6	
Construction South Landscape Pump 1	Area	54.6	
Receiver R12 Leq,d 42.9 dB(A)			
Construction South Landscape Paver 1	Area	35.5	
Construction South Landscape Paving Equipment 1	Area	35.5	
Construction South Landscape Paving Equipment 2	Area	35.5	
Construction South Landscape Pump 1	Area	39.5	
Receiver R13 Leq,d 57.7 dB(A)			
Construction South Landscape Paver 1	Area	50.2	
Construction South Landscape Paving Equipment 1	Area	50.2	
Construction South Landscape Paving Equipment 2	Area	50.2	
Construction South Landscape Pump 1	Area	54.2	
Receiver R14 Leq,d 33.4 dB(A)			
Construction South Landscape Paver 1	Area	26.0	
Construction South Landscape Paving Equipment 1	Area	26.0	
Construction South Landscape Paving Equipment 2	Area	26.0	
Construction South Landscape Pump 1	Area	30.0	
Receiver R15 (Trail) Leq,d 45.3 dB(A)			
Construction South Landscape Paver 1	Area	37.9	
Construction South Landscape Paving Equipment 1	Area	37.9	
Construction South Landscape Paving Equipment 2	Area	37.9	
Construction South Landscape Pump 1	Area	41.9	
Receiver R16 (Trail) Leq,d 39.0 dB(A)			
Construction South Landscape Paver 1	Area	31.6	
Construction South Landscape Paving Equipment 1	Area	31.6	
Construction South Landscape Paving Equipment 2	Area	31.6	
Construction South Landscape Pump 1	Area	35.6	

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Buena Vista
Source Levels in dB(A) - 02a Phase 2 Site Prep

Name	Source type	Lw dB(A)	
Construction North Excavator 1	Area	108.7	
Construction North Rubber Tired Loader 1	Area	106.7	
Construction North Tractor Loader Backhoe 1	Area	111.7	
Construction North Tractor Loader Backhoe 2	Area	111.7	

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Buena Vista Calculated Noise Levels - 02a Phase 2 Site Prep

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 43.2 dB(A)			
Construction North Excavator 1	Area	35.7	
Construction North Rubber Tired Loader 1	Area	33.7	
Construction North Tractor Loader Backhoe 1	Area	38.7	
Construction North Tractor Loader Backhoe 2	Area	38.7	
Receiver R2 Leq,d 43.0 dB(A)			
Construction North Excavator 1	Area	35.5	
Construction North Rubber Tired Loader 1	Area	33.5	
Construction North Tractor Loader Backhoe 1	Area	38.5	
Construction North Tractor Loader Backhoe 2	Area	38.5	
Receiver R3 Leq,d 44.1 dB(A)			
Construction North Excavator 1	Area	36.6	
Construction North Rubber Tired Loader 1	Area	34.6	
Construction North Tractor Loader Backhoe 1	Area	39.6	
Construction North Tractor Loader Backhoe 2	Area	39.6	
Receiver R4 Leq,d 45.8 dB(A)			
Construction North Excavator 1	Area	38.3	
Construction North Rubber Tired Loader 1	Area	36.3	
Construction North Tractor Loader Backhoe 1	Area	41.3	
Construction North Tractor Loader Backhoe 2	Area	41.3	
Receiver R5 Leq,d 30.5 dB(A)			
Construction North Excavator 1	Area	23.0	
Construction North Rubber Tired Loader 1	Area	21.0	
Construction North Tractor Loader Backhoe 1	Area	26.0	
Construction North Tractor Loader Backhoe 2	Area	26.0	
Receiver R6 Leq,d 47.4 dB(A)			
Construction North Excavator 1	Area	39.9	
Construction North Rubber Tired Loader 1	Area	37.9	
Construction North Tractor Loader Backhoe 1	Area	42.9	
Construction North Tractor Loader Backhoe 2	Area	42.9	
Receiver R7 Leq,d 35.4 dB(A)			
Construction North Excavator 1	Area	27.9	
Construction North Rubber Tired Loader 1	Area	25.9	
Construction North Tractor Loader Backhoe 1	Area	30.9	
Construction North Tractor Loader Backhoe 2	Area	30.9	
Receiver R8 Leq,d 59.5 dB(A)			
Construction North Excavator 1	Area	52.1	
Construction North Rubber Tired Loader 1	Area	50.0	
Construction North Tractor Loader Backhoe 1	Area	55.0	
Construction North Tractor Loader Backhoe 2	Area	55.0	
Receiver R9 Leq,d 54.5 dB(A)			

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Buena Vista Calculated Noise Levels - 02a Phase 2 Site Prep

Source	Source type	Leq,d dB(A)	
Construction North Excavator 1	Area	47.0	
Construction North Rubber Tired Loader 1	Area	45.0	
Construction North Tractor Loader Backhoe 1	Area	50.0	
Construction North Tractor Loader Backhoe 2	Area	50.0	
Receiver R10 Leq,d 67.8 dB(A)			
Construction North Excavator 1	Area	60.3	
Construction North Rubber Tired Loader 1	Area	58.3	
Construction North Tractor Loader Backhoe 1	Area	63.3	
Construction North Tractor Loader Backhoe 2	Area	63.3	
Receiver R11 Leq,d 42.9 dB(A)			
Construction North Excavator 1	Area	35.4	
Construction North Rubber Tired Loader 1	Area	33.4	
Construction North Tractor Loader Backhoe 1	Area	38.4	
Construction North Tractor Loader Backhoe 2	Area	38.4	
Receiver R12 Leq,d 65.6 dB(A)			
Construction North Excavator 1	Area	58.1	
Construction North Rubber Tired Loader 1	Area	56.1	
Construction North Tractor Loader Backhoe 1	Area	61.1	
Construction North Tractor Loader Backhoe 2	Area	61.1	
Receiver R13 Leq,d 51.0 dB(A)			
Construction North Excavator 1	Area	43.5	
Construction North Rubber Tired Loader 1	Area	41.5	
Construction North Tractor Loader Backhoe 1	Area	46.5	
Construction North Tractor Loader Backhoe 2	Area	46.5	
Receiver R14 Leq,d 38.4 dB(A)			
Construction North Excavator 1	Area	30.9	
Construction North Rubber Tired Loader 1	Area	28.9	
Construction North Tractor Loader Backhoe 1	Area	33.9	
Construction North Tractor Loader Backhoe 2	Area	33.9	
Receiver R15 (Trail) Leq,d 56.7 dB(A)			
Construction North Excavator 1	Area	49.2	
Construction North Rubber Tired Loader 1	Area	47.2	
Construction North Tractor Loader Backhoe 1	Area	52.2	
Construction North Tractor Loader Backhoe 2	Area	52.2	
Receiver R16 (Trail) Leq,d 60.6 dB(A)			
Construction North Excavator 1	Area	53.1	
Construction North Rubber Tired Loader 1	Area	51.1	
Construction North Tractor Loader Backhoe 1	Area	56.1	
Construction North Tractor Loader Backhoe 2	Area	56.1	

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Buena Vista
Source Levels in dB(A) - 02b Phase 2 Grading

Name	Source type	Lw dB(A)	
Construction North Bore Drill Rig 1	Area	108.7	
Construction North Excavator 1	Area	108.7	
Construction North Excavator 2	Area	108.7	
Construction North Pump 1	Area	109.6	
Construction North Pump 2	Area	109.6	
Construction North Rubber Tired Loader 1	Area	106.7	
Construction North Tractor Loader Backhoe 1	Area	111.7	
Construction North Tractor Loader Backhoe 2	Area	111.7	

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Buena Vista Calculated Noise Levels - 02b Phase 2 Grading

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 45.8 dB(A)			
Construction North Bore Drill Rig 1	Area	35.7	
Construction North Excavator 1	Area	35.7	
Construction North Excavator 2	Area	35.7	
Construction North Pump 1	Area	36.6	
Construction North Pump 2	Area	36.6	
Construction North Rubber Tired Loader 1	Area	33.7	
Construction North Tractor Loader Backhoe 1	Area	38.7	
Construction North Tractor Loader Backhoe 2	Area	38.7	
Receiver R2 Leq,d 45.6 dB(A)			
Construction North Bore Drill Rig 1	Area	35.5	
Construction North Excavator 1	Area	35.5	
Construction North Excavator 2	Area	35.5	
Construction North Pump 1	Area	36.4	
Construction North Pump 2	Area	36.4	
Construction North Rubber Tired Loader 1	Area	33.5	
Construction North Tractor Loader Backhoe 1	Area	38.5	
Construction North Tractor Loader Backhoe 2	Area	38.5	
Receiver R3 Leq,d 46.6 dB(A)			
Construction North Bore Drill Rig 1	Area	36.6	
Construction North Excavator 1	Area	36.6	
Construction North Excavator 2	Area	36.6	
Construction North Pump 1	Area	37.4	
Construction North Pump 2	Area	37.4	
Construction North Rubber Tired Loader 1	Area	34.6	
Construction North Tractor Loader Backhoe 1	Area	39.6	
Construction North Tractor Loader Backhoe 2	Area	39.6	
Receiver R4 Leq,d 48.3 dB(A)			
Construction North Bore Drill Rig 1	Area	38.3	
Construction North Excavator 1	Area	38.3	
Construction North Excavator 2	Area	38.3	
Construction North Pump 1	Area	39.1	
Construction North Pump 2	Area	39.1	
Construction North Rubber Tired Loader 1	Area	36.3	
Construction North Tractor Loader Backhoe 1	Area	41.3	
Construction North Tractor Loader Backhoe 2	Area	41.3	
Receiver R5 Leq,d 32.9 dB(A)			
Construction North Bore Drill Rig 1	Area	23.0	
Construction North Excavator 1	Area	23.0	
Construction North Excavator 2	Area	23.0	
Construction North Pump 1	Area	23.6	
Construction North Pump 2	Area	23.6	

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Buena Vista Calculated Noise Levels - 02b Phase 2 Grading

Source	Source type	Leq,d dB(A)	
Construction North Rubber Tired Loader 1	Area	21.0	
Construction North Tractor Loader Backhoe 1	Area	26.0	
Construction North Tractor Loader Backhoe 2	Area	26.0	
Receiver R6 Leq,d 49.9 dB(A)			
Construction North Bore Drill Rig 1	Area	39.9	
Construction North Excavator 1	Area	39.9	
Construction North Excavator 2	Area	39.9	
Construction North Pump 1	Area	40.7	
Construction North Pump 2	Area	40.7	
Construction North Rubber Tired Loader 1	Area	37.9	
Construction North Tractor Loader Backhoe 1	Area	42.9	
Construction North Tractor Loader Backhoe 2	Area	42.9	
Receiver R7 Leq,d 37.8 dB(A)			
Construction North Bore Drill Rig 1	Area	27.9	
Construction North Excavator 1	Area	27.9	
Construction North Excavator 2	Area	27.9	
Construction North Pump 1	Area	28.1	
Construction North Pump 2	Area	28.1	
Construction North Rubber Tired Loader 1	Area	25.9	
Construction North Tractor Loader Backhoe 1	Area	30.9	
Construction North Tractor Loader Backhoe 2	Area	30.9	
Receiver R8 Leq,d 61.9 dB(A)			
Construction North Bore Drill Rig 1	Area	52.1	
Construction North Excavator 1	Area	52.0	
Construction North Excavator 2	Area	52.0	
Construction North Pump 1	Area	52.4	
Construction North Pump 2	Area	52.4	
Construction North Rubber Tired Loader 1	Area	50.0	
Construction North Tractor Loader Backhoe 1	Area	55.0	
Construction North Tractor Loader Backhoe 2	Area	55.0	
Receiver R9 Leq,d 56.9 dB(A)			
Construction North Bore Drill Rig 1	Area	47.0	
Construction North Excavator 1	Area	47.0	
Construction North Excavator 2	Area	47.0	
Construction North Pump 1	Area	47.3	
Construction North Pump 2	Area	47.3	
Construction North Rubber Tired Loader 1	Area	45.0	
Construction North Tractor Loader Backhoe 1	Area	50.0	
Construction North Tractor Loader Backhoe 2	Area	50.0	
Receiver R10 Leq,d 70.1 dB(A)			
Construction North Bore Drill Rig 1	Area	60.3	
Construction North Excavator 1	Area	60.3	

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Buena Vista Calculated Noise Levels - 02b Phase 2 Grading

Source	Source type	Leq,d dB(A)	
Construction North Excavator 2	Area	60.3	
Construction North Pump 1	Area	60.3	
Construction North Pump 2	Area	60.3	
Construction North Rubber Tired Loader 1	Area	58.3	
Construction North Tractor Loader Backhoe 1	Area	63.3	
Construction North Tractor Loader Backhoe 2	Area	63.3	
Receiver R11 Leq,d 45.4 dB(A)			
Construction North Bore Drill Rig 1	Area	35.4	
Construction North Excavator 1	Area	35.4	
Construction North Excavator 2	Area	35.4	
Construction North Pump 1	Area	36.3	
Construction North Pump 2	Area	36.3	
Construction North Rubber Tired Loader 1	Area	33.4	
Construction North Tractor Loader Backhoe 1	Area	38.4	
Construction North Tractor Loader Backhoe 2	Area	38.4	
Receiver R12 Leq,d 68.0 dB(A)			
Construction North Bore Drill Rig 1	Area	58.1	
Construction North Excavator 1	Area	58.1	
Construction North Excavator 2	Area	58.1	
Construction North Pump 1	Area	58.4	
Construction North Pump 2	Area	58.4	
Construction North Rubber Tired Loader 1	Area	56.1	
Construction North Tractor Loader Backhoe 1	Area	61.1	
Construction North Tractor Loader Backhoe 2	Area	61.1	
Receiver R13 Leq,d 53.5 dB(A)			
Construction North Bore Drill Rig 1	Area	43.5	
Construction North Excavator 1	Area	43.5	
Construction North Excavator 2	Area	43.5	
Construction North Pump 1	Area	44.3	
Construction North Pump 2	Area	44.3	
Construction North Rubber Tired Loader 1	Area	41.5	
Construction North Tractor Loader Backhoe 1	Area	46.5	
Construction North Tractor Loader Backhoe 2	Area	46.5	
Receiver R14 Leq,d 41.0 dB(A)			
Construction North Bore Drill Rig 1	Area	30.9	
Construction North Excavator 1	Area	30.9	
Construction North Excavator 2	Area	30.9	
Construction North Pump 1	Area	31.8	
Construction North Pump 2	Area	31.8	
Construction North Rubber Tired Loader 1	Area	28.9	
Construction North Tractor Loader Backhoe 1	Area	33.9	
Construction North Tractor Loader Backhoe 2	Area	33.9	

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Buena Vista Calculated Noise Levels - 02b Phase 2 Grading

Source	Source type	Leq,d dB(A)	
Receiver R15 (Trail) Leq,d 59.1 dB(A)			
Construction North Bore Drill Rig 1	Area	49.2	
Construction North Excavator 1	Area	49.2	
Construction North Excavator 2	Area	49.2	
Construction North Pump 1	Area	49.7	
Construction North Pump 2	Area	49.7	
Construction North Rubber Tired Loader 1	Area	47.2	
Construction North Tractor Loader Backhoe 1	Area	52.2	
Construction North Tractor Loader Backhoe 2	Area	52.2	
Receiver R16 (Trail) Leq,d 62.9 dB(A)			
Construction North Bore Drill Rig 1	Area	53.1	
Construction North Excavator 1	Area	53.1	
Construction North Excavator 2	Area	53.1	
Construction North Pump 1	Area	53.0	
Construction North Pump 2	Area	53.0	
Construction North Rubber Tired Loader 1	Area	51.1	
Construction North Tractor Loader Backhoe 1	Area	56.1	
Construction North Tractor Loader Backhoe 2	Area	56.1	

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Buena Vista
Source Levels in dB(A) - 02c Phase 2 Well Re-Abandonment

Name	Source type	Lw dB(A)	
Construction North Well Bore Drill Rig 1	Area	108.7	
Construction North Well Generator 1	Area	109.6	
Construction North Well Generator 2	Area	109.6	
Construction North Well Off-Highway Tractor 1	Area	111.7	
Construction North Well Other Equipment 1	Area	113.6	
Construction North Well Pump 1	Area	109.6	
Construction North Well Pump 2	Area	109.6	

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Buena Vista Calculated Noise Levels - 02c Phase 2 Well Re-Abandonment

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 47.4 dB(A)			
Construction North Well Bore Drill Rig 1	Area	37.0	
Construction North Well Generator 1	Area	37.8	
Construction North Well Generator 2	Area	37.8	
Construction North Well Off-Highway Tractor 1	Area	40.0	
Construction North Well Other Equipment 1	Area	41.9	
Construction North Well Pump 1	Area	37.8	
Construction North Well Pump 2	Area	37.8	
Receiver R2 Leq,d 46.4 dB(A)			
Construction North Well Bore Drill Rig 1	Area	36.0	
Construction North Well Generator 1	Area	36.8	
Construction North Well Generator 2	Area	36.8	
Construction North Well Off-Highway Tractor 1	Area	39.0	
Construction North Well Other Equipment 1	Area	40.9	
Construction North Well Pump 1	Area	36.8	
Construction North Well Pump 2	Area	36.8	
Receiver R3 Leq,d 47.4 dB(A)			
Construction North Well Bore Drill Rig 1	Area	37.0	
Construction North Well Generator 1	Area	37.8	
Construction North Well Generator 2	Area	37.8	
Construction North Well Off-Highway Tractor 1	Area	40.0	
Construction North Well Other Equipment 1	Area	41.9	
Construction North Well Pump 1	Area	37.8	
Construction North Well Pump 2	Area	37.8	
Receiver R4 Leq,d 49.1 dB(A)			
Construction North Well Bore Drill Rig 1	Area	38.7	
Construction North Well Generator 1	Area	39.5	
Construction North Well Generator 2	Area	39.5	
Construction North Well Off-Highway Tractor 1	Area	41.7	
Construction North Well Other Equipment 1	Area	43.6	
Construction North Well Pump 1	Area	39.5	
Construction North Well Pump 2	Area	39.5	
Receiver R5 Leq,d 33.9 dB(A)			
Construction North Well Bore Drill Rig 1	Area	23.5	
Construction North Well Generator 1	Area	24.3	
Construction North Well Generator 2	Area	24.3	
Construction North Well Off-Highway Tractor 1	Area	26.5	
Construction North Well Other Equipment 1	Area	28.4	
Construction North Well Pump 1	Area	24.3	
Construction North Well Pump 2	Area	24.3	
Receiver R6 Leq,d 50.0 dB(A)			
Construction North Well Bore Drill Rig 1	Area	39.6	

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Buena Vista Calculated Noise Levels - 02c Phase 2 Well Re-Abandonment

Source	Source type	Leq,d dB(A)	
Construction North Well Generator 1	Area	40.5	
Construction North Well Generator 2	Area	40.5	
Construction North Well Off-Highway Tractor 1	Area	42.6	
Construction North Well Other Equipment 1	Area	44.5	
Construction North Well Pump 1	Area	40.5	
Construction North Well Pump 2	Area	40.5	
Receiver R7 Leq,d 40.5 dB(A)			
Construction North Well Bore Drill Rig 1	Area	30.1	
Construction North Well Generator 1	Area	30.9	
Construction North Well Generator 2	Area	30.9	
Construction North Well Off-Highway Tractor 1	Area	33.1	
Construction North Well Other Equipment 1	Area	35.0	
Construction North Well Pump 1	Area	30.9	
Construction North Well Pump 2	Area	30.9	
Receiver R8 Leq,d 61.6 dB(A)			
Construction North Well Bore Drill Rig 1	Area	51.2	
Construction North Well Generator 1	Area	52.0	
Construction North Well Generator 2	Area	52.0	
Construction North Well Off-Highway Tractor 1	Area	54.2	
Construction North Well Other Equipment 1	Area	56.1	
Construction North Well Pump 1	Area	52.0	
Construction North Well Pump 2	Area	52.0	
Receiver R9 Leq,d 64.4 dB(A)			
Construction North Well Bore Drill Rig 1	Area	54.1	
Construction North Well Generator 1	Area	54.7	
Construction North Well Generator 2	Area	54.7	
Construction North Well Off-Highway Tractor 1	Area	57.1	
Construction North Well Other Equipment 1	Area	59.0	
Construction North Well Pump 1	Area	54.7	
Construction North Well Pump 2	Area	54.7	
Receiver R10 Leq,d 71.2 dB(A)			
Construction North Well Bore Drill Rig 1	Area	61.0	
Construction North Well Generator 1	Area	61.5	
Construction North Well Generator 2	Area	61.5	
Construction North Well Off-Highway Tractor 1	Area	64.0	
Construction North Well Other Equipment 1	Area	65.9	
Construction North Well Pump 1	Area	61.5	
Construction North Well Pump 2	Area	61.5	
Receiver R11 Leq,d 46.1 dB(A)			
Construction North Well Bore Drill Rig 1	Area	35.7	
Construction North Well Generator 1	Area	36.6	
Construction North Well Generator 2	Area	36.6	

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Buena Vista Calculated Noise Levels - 02c Phase 2 Well Re-Abandonment

Source	Source type	Leq,d dB(A)	
Construction North Well Off-Highway Tractor 1	Area	38.7	
Construction North Well Other Equipment 1	Area	40.6	
Construction North Well Pump 1	Area	36.6	
Construction North Well Pump 2	Area	36.6	
Receiver R12 Leq,d 67.2 dB(A)			
Construction North Well Bore Drill Rig 1	Area	57.3	
Construction North Well Generator 1	Area	56.8	
Construction North Well Generator 2	Area	56.8	
Construction North Well Off-Highway Tractor 1	Area	60.3	
Construction North Well Other Equipment 1	Area	62.2	
Construction North Well Pump 1	Area	56.8	
Construction North Well Pump 2	Area	56.8	
Receiver R13 Leq,d 54.1 dB(A)			
Construction North Well Bore Drill Rig 1	Area	43.8	
Construction North Well Generator 1	Area	44.5	
Construction North Well Generator 2	Area	44.5	
Construction North Well Off-Highway Tractor 1	Area	46.8	
Construction North Well Other Equipment 1	Area	48.7	
Construction North Well Pump 1	Area	44.5	
Construction North Well Pump 2	Area	44.5	
Receiver R14 Leq,d 41.6 dB(A)			
Construction North Well Bore Drill Rig 1	Area	31.2	
Construction North Well Generator 1	Area	32.1	
Construction North Well Generator 2	Area	32.1	
Construction North Well Off-Highway Tractor 1	Area	34.2	
Construction North Well Other Equipment 1	Area	36.1	
Construction North Well Pump 1	Area	32.1	
Construction North Well Pump 2	Area	32.1	
Receiver R15 (Trail) Leq,d 61.1 dB(A)			
Construction North Well Bore Drill Rig 1	Area	50.7	
Construction North Well Generator 1	Area	51.5	
Construction North Well Generator 2	Area	51.5	
Construction North Well Off-Highway Tractor 1	Area	53.7	
Construction North Well Other Equipment 1	Area	55.6	
Construction North Well Pump 1	Area	51.5	
Construction North Well Pump 2	Area	51.5	
Receiver R16 (Trail) Leq,d 57.4 dB(A)			
Construction North Well Bore Drill Rig 1	Area	47.0	
Construction North Well Generator 1	Area	47.8	
Construction North Well Generator 2	Area	47.8	
Construction North Well Off-Highway Tractor 1	Area	50.0	
Construction North Well Other Equipment 1	Area	51.9	

Buena Vista
Calculated Noise Levels - 02c Phase 2 Well Re-Abandonment

Source	Source type	Leq,d dB(A)	
Construction North Well Pump 1	Area	47.8	
Construction North Well Pump 2	Area	47.8	

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Buena Vista
Source Levels in dB(A) - 02d Phase 2 Trenching

Name	Source type	Lw dB(A)	
Construction North Excavator 1	Area	108.7	
Construction North Grader 1	Area	112.7	
Construction North Rubber Tired Loader 1	Area	106.7	
Construction North Tractor Loader Backhoe 1	Area	111.7	

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Buena Vista Calculated Noise Levels - 02d Phase 2 Trenching

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 43.6 dB(A)			
Construction North Excavator 1	Area	35.7	
Construction North Grader 1	Area	39.7	
Construction North Rubber Tired Loader 1	Area	33.7	
Construction North Tractor Loader Backhoe 1	Area	38.7	
Receiver R2 Leq,d 43.4 dB(A)			
Construction North Excavator 1	Area	35.5	
Construction North Grader 1	Area	39.5	
Construction North Rubber Tired Loader 1	Area	33.5	
Construction North Tractor Loader Backhoe 1	Area	38.5	
Receiver R3 Leq,d 44.5 dB(A)			
Construction North Excavator 1	Area	36.6	
Construction North Grader 1	Area	40.6	
Construction North Rubber Tired Loader 1	Area	34.6	
Construction North Tractor Loader Backhoe 1	Area	39.6	
Receiver R4 Leq,d 46.1 dB(A)			
Construction North Excavator 1	Area	38.3	
Construction North Grader 1	Area	42.3	
Construction North Rubber Tired Loader 1	Area	36.3	
Construction North Tractor Loader Backhoe 1	Area	41.3	
Receiver R5 Leq,d 30.8 dB(A)			
Construction North Excavator 1	Area	23.0	
Construction North Grader 1	Area	27.0	
Construction North Rubber Tired Loader 1	Area	21.0	
Construction North Tractor Loader Backhoe 1	Area	26.0	
Receiver R6 Leq,d 47.8 dB(A)			
Construction North Excavator 1	Area	39.9	
Construction North Grader 1	Area	43.9	
Construction North Rubber Tired Loader 1	Area	37.9	
Construction North Tractor Loader Backhoe 1	Area	42.9	
Receiver R7 Leq,d 35.8 dB(A)			
Construction North Excavator 1	Area	27.9	
Construction North Grader 1	Area	31.9	
Construction North Rubber Tired Loader 1	Area	25.9	
Construction North Tractor Loader Backhoe 1	Area	30.9	
Receiver R8 Leq,d 59.9 dB(A)			
Construction North Excavator 1	Area	52.1	
Construction North Grader 1	Area	56.0	
Construction North Rubber Tired Loader 1	Area	50.0	
Construction North Tractor Loader Backhoe 1	Area	55.0	
Receiver R9 Leq,d 54.8 dB(A)			

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Buena Vista Calculated Noise Levels - 02d Phase 2 Trenching

Source	Source type	Leq,d dB(A)	
Construction North Excavator 1	Area	47.0	
Construction North Grader 1	Area	51.0	
Construction North Rubber Tired Loader 1	Area	45.0	
Construction North Tractor Loader Backhoe 1	Area	50.0	
Receiver R10 Leq,d 68.2 dB(A)			
Construction North Excavator 1	Area	60.3	
Construction North Grader 1	Area	64.3	
Construction North Rubber Tired Loader 1	Area	58.3	
Construction North Tractor Loader Backhoe 1	Area	63.3	
Receiver R11 Leq,d 43.3 dB(A)			
Construction North Excavator 1	Area	35.4	
Construction North Grader 1	Area	39.4	
Construction North Rubber Tired Loader 1	Area	33.4	
Construction North Tractor Loader Backhoe 1	Area	38.4	
Receiver R12 Leq,d 66.0 dB(A)			
Construction North Excavator 1	Area	58.1	
Construction North Grader 1	Area	62.1	
Construction North Rubber Tired Loader 1	Area	56.1	
Construction North Tractor Loader Backhoe 1	Area	61.1	
Receiver R13 Leq,d 51.4 dB(A)			
Construction North Excavator 1	Area	43.5	
Construction North Grader 1	Area	47.5	
Construction North Rubber Tired Loader 1	Area	41.5	
Construction North Tractor Loader Backhoe 1	Area	46.5	
Receiver R14 Leq,d 38.8 dB(A)			
Construction North Excavator 1	Area	30.9	
Construction North Grader 1	Area	34.9	
Construction North Rubber Tired Loader 1	Area	28.9	
Construction North Tractor Loader Backhoe 1	Area	33.9	
Receiver R15 (Trail) Leq,d 57.1 dB(A)			
Construction North Excavator 1	Area	49.2	
Construction North Grader 1	Area	53.2	
Construction North Rubber Tired Loader 1	Area	47.2	
Construction North Tractor Loader Backhoe 1	Area	52.2	
Receiver R16 (Trail) Leq,d 61.0 dB(A)			
Construction North Excavator 1	Area	53.1	
Construction North Grader 1	Area	57.1	
Construction North Rubber Tired Loader 1	Area	51.1	
Construction North Tractor Loader Backhoe 1	Area	56.1	

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Buena Vista
Source Levels in dB(A) - 02e Phase 2 Mat Foundation

Name	Source type	Lw dB(A)	
Construction North Cement Mortar Mixer 1	Area	108.6	
Construction North Cement Mortar Mixer 2	Area	108.6	
Construction North Cement Mortar Mixer 3	Area	108.6	
Construction North Cement Mortar Mixer 4	Area	108.6	
Construction North Cement Mortar Mixer 5	Area	108.6	
Construction North Cement Mortar Mixer 6	Area	108.6	
Construction North Pump 1	Area	109.6	
Construction North Pump 2	Area	109.6	
Construction North Pump 3	Area	109.6	
Construction North Pump 4	Area	109.6	
Construction North Pump 5	Area	109.6	
Construction North Pump 6	Area	109.6	
Construction North Pump 7	Area	109.6	
Construction North Pump 8	Area	109.6	

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Buena Vista Calculated Noise Levels - 02e Phase 2 Mat Foundation

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 47.6 dB(A)			
Construction North Cement Mortar Mixer 1	Area	35.6	
Construction North Cement Mortar Mixer 2	Area	35.6	
Construction North Cement Mortar Mixer 3	Area	35.6	
Construction North Cement Mortar Mixer 4	Area	35.6	
Construction North Cement Mortar Mixer 5	Area	35.6	
Construction North Cement Mortar Mixer 6	Area	35.6	
Construction North Pump 1	Area	36.6	
Construction North Pump 2	Area	36.6	
Construction North Pump 3	Area	36.6	
Construction North Pump 4	Area	36.6	
Construction North Pump 5	Area	36.6	
Construction North Pump 6	Area	36.6	
Construction North Pump 7	Area	36.6	
Construction North Pump 8	Area	36.6	
Receiver R2 Leq,d 47.4 dB(A)			
Construction North Cement Mortar Mixer 1	Area	35.4	
Construction North Cement Mortar Mixer 2	Area	35.4	
Construction North Cement Mortar Mixer 3	Area	35.4	
Construction North Cement Mortar Mixer 4	Area	35.4	
Construction North Cement Mortar Mixer 5	Area	35.4	
Construction North Cement Mortar Mixer 6	Area	35.4	
Construction North Pump 1	Area	36.4	
Construction North Pump 2	Area	36.4	
Construction North Pump 3	Area	36.4	
Construction North Pump 4	Area	36.4	
Construction North Pump 5	Area	36.4	
Construction North Pump 6	Area	36.4	
Construction North Pump 7	Area	36.4	
Construction North Pump 8	Area	36.4	
Receiver R3 Leq,d 48.5 dB(A)			
Construction North Cement Mortar Mixer 1	Area	36.4	
Construction North Cement Mortar Mixer 2	Area	36.4	
Construction North Cement Mortar Mixer 3	Area	36.4	
Construction North Cement Mortar Mixer 4	Area	36.4	
Construction North Cement Mortar Mixer 5	Area	36.4	
Construction North Cement Mortar Mixer 6	Area	36.4	
Construction North Pump 1	Area	37.4	
Construction North Pump 2	Area	37.4	
Construction North Pump 3	Area	37.4	
Construction North Pump 4	Area	37.4	
Construction North Pump 5	Area	37.4	
Construction North Pump 6	Area	37.4	

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Buena Vista Calculated Noise Levels - 02e Phase 2 Mat Foundation

Source	Source type	Leq,d dB(A)	
Construction North Pump 7	Area	37.4	
Construction North Pump 8	Area	37.4	
Receiver R4 Leq,d 50.2 dB(A)			
Construction North Cement Mortar Mixer 1	Area	38.1	
Construction North Cement Mortar Mixer 2	Area	38.1	
Construction North Cement Mortar Mixer 3	Area	38.1	
Construction North Cement Mortar Mixer 4	Area	38.1	
Construction North Cement Mortar Mixer 5	Area	38.1	
Construction North Cement Mortar Mixer 6	Area	38.1	
Construction North Pump 1	Area	39.1	
Construction North Pump 2	Area	39.1	
Construction North Pump 3	Area	39.1	
Construction North Pump 4	Area	39.1	
Construction North Pump 5	Area	39.1	
Construction North Pump 6	Area	39.1	
Construction North Pump 7	Area	39.1	
Construction North Pump 8	Area	39.1	
Receiver R5 Leq,d 34.6 dB(A)			
Construction North Cement Mortar Mixer 1	Area	22.6	
Construction North Cement Mortar Mixer 2	Area	22.6	
Construction North Cement Mortar Mixer 3	Area	22.6	
Construction North Cement Mortar Mixer 4	Area	22.6	
Construction North Cement Mortar Mixer 5	Area	22.6	
Construction North Cement Mortar Mixer 6	Area	22.6	
Construction North Pump 1	Area	23.6	
Construction North Pump 2	Area	23.6	
Construction North Pump 3	Area	23.6	
Construction North Pump 4	Area	23.6	
Construction North Pump 5	Area	23.6	
Construction North Pump 6	Area	23.6	
Construction North Pump 7	Area	23.6	
Construction North Pump 8	Area	23.6	
Receiver R6 Leq,d 51.7 dB(A)			
Construction North Cement Mortar Mixer 1	Area	39.7	
Construction North Cement Mortar Mixer 2	Area	39.7	
Construction North Cement Mortar Mixer 3	Area	39.7	
Construction North Cement Mortar Mixer 4	Area	39.7	
Construction North Cement Mortar Mixer 5	Area	39.7	
Construction North Cement Mortar Mixer 6	Area	39.7	
Construction North Pump 1	Area	40.7	
Construction North Pump 2	Area	40.7	
Construction North Pump 3	Area	40.7	
Construction North Pump 4	Area	40.7	

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Buena Vista
Calculated Noise Levels - 02e Phase 2 Mat Foundation

Source	Source type	Leq,d dB(A)	
Construction North Pump 5	Area	40.7	
Construction North Pump 6	Area	40.7	
Construction North Pump 7	Area	40.7	
Construction North Pump 8	Area	40.7	
Receiver R7 Leq,d 39.2 dB(A)			
Construction North Cement Mortar Mixer 1	Area	27.1	
Construction North Cement Mortar Mixer 2	Area	27.1	
Construction North Cement Mortar Mixer 3	Area	27.1	
Construction North Cement Mortar Mixer 4	Area	27.1	
Construction North Cement Mortar Mixer 5	Area	27.1	
Construction North Cement Mortar Mixer 6	Area	27.1	
Construction North Pump 1	Area	28.1	
Construction North Pump 2	Area	28.1	
Construction North Pump 3	Area	28.1	
Construction North Pump 4	Area	28.1	
Construction North Pump 5	Area	28.1	
Construction North Pump 6	Area	28.1	
Construction North Pump 7	Area	28.1	
Construction North Pump 8	Area	28.1	
Receiver R8 Leq,d 63.4 dB(A)			
Construction North Cement Mortar Mixer 1	Area	51.4	
Construction North Cement Mortar Mixer 2	Area	51.4	
Construction North Cement Mortar Mixer 3	Area	51.4	
Construction North Cement Mortar Mixer 4	Area	51.4	
Construction North Cement Mortar Mixer 5	Area	51.4	
Construction North Cement Mortar Mixer 6	Area	51.4	
Construction North Pump 1	Area	52.4	
Construction North Pump 2	Area	52.4	
Construction North Pump 3	Area	52.4	
Construction North Pump 4	Area	52.4	
Construction North Pump 5	Area	52.4	
Construction North Pump 6	Area	52.4	
Construction North Pump 7	Area	52.4	
Construction North Pump 8	Area	52.4	
Receiver R9 Leq,d 58.3 dB(A)			
Construction North Cement Mortar Mixer 1	Area	46.3	
Construction North Cement Mortar Mixer 2	Area	46.3	
Construction North Cement Mortar Mixer 3	Area	46.3	
Construction North Cement Mortar Mixer 4	Area	46.3	
Construction North Cement Mortar Mixer 5	Area	46.3	
Construction North Cement Mortar Mixer 6	Area	46.3	
Construction North Pump 1	Area	47.3	
Construction North Pump 2	Area	47.3	

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Buena Vista Calculated Noise Levels - 02e Phase 2 Mat Foundation

Source	Source type	Leq,d dB(A)	
Construction North Pump 3	Area	47.3	
Construction North Pump 4	Area	47.3	
Construction North Pump 5	Area	47.3	
Construction North Pump 6	Area	47.3	
Construction North Pump 7	Area	47.3	
Construction North Pump 8	Area	47.3	
Receiver R10 Leq,d 71.3 dB(A)			
Construction North Cement Mortar Mixer 1	Area	59.3	
Construction North Cement Mortar Mixer 2	Area	59.3	
Construction North Cement Mortar Mixer 3	Area	59.3	
Construction North Cement Mortar Mixer 4	Area	59.3	
Construction North Cement Mortar Mixer 5	Area	59.3	
Construction North Cement Mortar Mixer 6	Area	59.3	
Construction North Pump 1	Area	60.3	
Construction North Pump 2	Area	60.3	
Construction North Pump 3	Area	60.3	
Construction North Pump 4	Area	60.3	
Construction North Pump 5	Area	60.3	
Construction North Pump 6	Area	60.3	
Construction North Pump 7	Area	60.3	
Construction North Pump 8	Area	60.3	
Receiver R11 Leq,d 47.3 dB(A)			
Construction North Cement Mortar Mixer 1	Area	35.3	
Construction North Cement Mortar Mixer 2	Area	35.3	
Construction North Cement Mortar Mixer 3	Area	35.3	
Construction North Cement Mortar Mixer 4	Area	35.3	
Construction North Cement Mortar Mixer 5	Area	35.3	
Construction North Cement Mortar Mixer 6	Area	35.3	
Construction North Pump 1	Area	36.3	
Construction North Pump 2	Area	36.3	
Construction North Pump 3	Area	36.3	
Construction North Pump 4	Area	36.3	
Construction North Pump 5	Area	36.3	
Construction North Pump 6	Area	36.3	
Construction North Pump 7	Area	36.3	
Construction North Pump 8	Area	36.3	
Receiver R12 Leq,d 69.5 dB(A)			
Construction North Cement Mortar Mixer 1	Area	57.4	
Construction North Cement Mortar Mixer 2	Area	57.4	
Construction North Cement Mortar Mixer 3	Area	57.4	
Construction North Cement Mortar Mixer 4	Area	57.4	
Construction North Cement Mortar Mixer 5	Area	57.4	
Construction North Cement Mortar Mixer 6	Area	57.4	

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Buena Vista
Calculated Noise Levels - 02e Phase 2 Mat Foundation

Source	Source type	Leq,d dB(A)	
Construction North Pump 1	Area	58.4	
Construction North Pump 2	Area	58.4	
Construction North Pump 3	Area	58.4	
Construction North Pump 4	Area	58.4	
Construction North Pump 5	Area	58.4	
Construction North Pump 6	Area	58.4	
Construction North Pump 7	Area	58.4	
Construction North Pump 8	Area	58.4	
Receiver R13 Leq,d 55.3 dB(A)			
Construction North Cement Mortar Mixer 1	Area	43.3	
Construction North Cement Mortar Mixer 2	Area	43.3	
Construction North Cement Mortar Mixer 3	Area	43.3	
Construction North Cement Mortar Mixer 4	Area	43.3	
Construction North Cement Mortar Mixer 5	Area	43.3	
Construction North Cement Mortar Mixer 6	Area	43.3	
Construction North Pump 1	Area	44.3	
Construction North Pump 2	Area	44.3	
Construction North Pump 3	Area	44.3	
Construction North Pump 4	Area	44.3	
Construction North Pump 5	Area	44.3	
Construction North Pump 6	Area	44.3	
Construction North Pump 7	Area	44.3	
Construction North Pump 8	Area	44.3	
Receiver R14 Leq,d 42.8 dB(A)			
Construction North Cement Mortar Mixer 1	Area	30.8	
Construction North Cement Mortar Mixer 2	Area	30.8	
Construction North Cement Mortar Mixer 3	Area	30.8	
Construction North Cement Mortar Mixer 4	Area	30.8	
Construction North Cement Mortar Mixer 5	Area	30.8	
Construction North Cement Mortar Mixer 6	Area	30.8	
Construction North Pump 1	Area	31.8	
Construction North Pump 2	Area	31.8	
Construction North Pump 3	Area	31.8	
Construction North Pump 4	Area	31.8	
Construction North Pump 5	Area	31.8	
Construction North Pump 6	Area	31.8	
Construction North Pump 7	Area	31.8	
Construction North Pump 8	Area	31.8	
Receiver R15 (Trail) Leq,d 60.8 dB(A)			
Construction North Cement Mortar Mixer 1	Area	48.7	
Construction North Cement Mortar Mixer 2	Area	48.7	
Construction North Cement Mortar Mixer 3	Area	48.7	
Construction North Cement Mortar Mixer 4	Area	48.7	

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Buena Vista
Calculated Noise Levels - 02e Phase 2 Mat Foundation

Source	Source type	Leq,d dB(A)	
Construction North Cement Mortar Mixer 5	Area	48.7	
Construction North Cement Mortar Mixer 6	Area	48.7	
Construction North Pump 1	Area	49.7	
Construction North Pump 2	Area	49.7	
Construction North Pump 3	Area	49.7	
Construction North Pump 4	Area	49.7	
Construction North Pump 5	Area	49.7	
Construction North Pump 6	Area	49.7	
Construction North Pump 7	Area	49.7	
Construction North Pump 8	Area	49.7	
Receiver R16 (Trail) Leq,d 64.1 dB(A)			
Construction North Cement Mortar Mixer 1	Area	52.0	
Construction North Cement Mortar Mixer 2	Area	52.0	
Construction North Cement Mortar Mixer 3	Area	52.0	
Construction North Cement Mortar Mixer 4	Area	52.0	
Construction North Cement Mortar Mixer 5	Area	52.0	
Construction North Cement Mortar Mixer 6	Area	52.0	
Construction North Pump 1	Area	53.0	
Construction North Pump 2	Area	53.0	
Construction North Pump 3	Area	53.0	
Construction North Pump 4	Area	53.0	
Construction North Pump 5	Area	53.0	
Construction North Pump 6	Area	53.0	
Construction North Pump 7	Area	53.0	
Construction North Pump 8	Area	53.0	

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Buena Vista
Source Levels in dB(A) - 02f Phase 2 Construction

Name	Source type	Lw dB(A)	
Construction North Aerial Lift 1	Area	99.7	
Construction North Aerial Lift 2	Area	99.7	
Construction North Aerial Lift 3	Area	99.7	
Construction North Aerial Lift 4	Area	99.7	
Construction North Air Compressor 1	Area	105.7	
Construction North Air Compressor 2	Area	105.7	
Construction North Air Compressor 3	Area	105.7	
Construction North Air Compressor 4	Area	105.7	
Construction North Cement Mortar Mixer 1	Area	108.6	
Construction North Cement Mortar Mixer 2	Area	108.6	
Construction North Crane 1	Area	104.7	
Construction North Crane 2	Area	104.7	
Construction North Crane 3	Area	104.7	
Construction North Forklift 1	Area	99.7	
Construction North Forklift 2	Area	99.7	
Construction North Forklift 3	Area	99.7	
Construction North Generator 1	Area	109.6	
Construction North Pump 1	Area	109.6	
Construction North Pump 2	Area	109.6	
Construction North Tractor Loader Backhoe 1	Area	111.7	
Construction North Tractor Loader Backhoe 2	Area	111.7	
Construction North Tractor Loader Backhoe 3	Area	111.7	
Construction North Welder 1	Area	101.7	

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Buena Vista Calculated Noise Levels - 02f Phase 2 Construction

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 47.7 dB(A)			
Construction North Aerial Lift 1	Area	26.7	
Construction North Aerial Lift 2	Area	26.7	
Construction North Aerial Lift 3	Area	26.7	
Construction North Aerial Lift 4	Area	26.7	
Construction North Air Compressor 1	Area	32.7	
Construction North Air Compressor 2	Area	32.7	
Construction North Air Compressor 3	Area	32.7	
Construction North Air Compressor 4	Area	32.7	
Construction North Cement Mortar Mixer 1	Area	35.6	
Construction North Cement Mortar Mixer 2	Area	35.6	
Construction North Crane 1	Area	31.7	
Construction North Crane 2	Area	31.7	
Construction North Crane 3	Area	31.7	
Construction North Forklift 1	Area	26.7	
Construction North Forklift 2	Area	26.7	
Construction North Forklift 3	Area	26.7	
Construction North Generator 1	Area	36.6	
Construction North Pump 1	Area	36.6	
Construction North Pump 2	Area	36.6	
Construction North Tractor Loader Backhoe 1	Area	38.7	
Construction North Tractor Loader Backhoe 2	Area	38.7	
Construction North Tractor Loader Backhoe 3	Area	38.7	
Construction North Welder 1	Area	28.7	
Receiver R2 Leq,d 47.5 dB(A)			
Construction North Aerial Lift 1	Area	26.5	
Construction North Aerial Lift 2	Area	26.5	
Construction North Aerial Lift 3	Area	26.5	
Construction North Aerial Lift 4	Area	26.5	
Construction North Air Compressor 1	Area	32.5	
Construction North Air Compressor 2	Area	32.5	
Construction North Air Compressor 3	Area	32.5	
Construction North Air Compressor 4	Area	32.5	
Construction North Cement Mortar Mixer 1	Area	35.4	
Construction North Cement Mortar Mixer 2	Area	35.4	
Construction North Crane 1	Area	31.5	
Construction North Crane 2	Area	31.5	
Construction North Crane 3	Area	31.5	
Construction North Forklift 1	Area	26.5	
Construction North Forklift 2	Area	26.5	
Construction North Forklift 3	Area	26.5	
Construction North Generator 1	Area	36.4	
Construction North Pump 1	Area	36.4	

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Buena Vista Calculated Noise Levels - 02f Phase 2 Construction

Source	Source type	Leq,d dB(A)	
Construction North Pump 2	Area	36.4	
Construction North Tractor Loader Backhoe 1	Area	38.5	
Construction North Tractor Loader Backhoe 2	Area	38.5	
Construction North Tractor Loader Backhoe 3	Area	38.5	
Construction North Welder 1	Area	28.5	
Receiver R3 Leq,d 48.6 dB(A)			
Construction North Aerial Lift 1	Area	27.6	
Construction North Aerial Lift 2	Area	27.6	
Construction North Aerial Lift 3	Area	27.6	
Construction North Aerial Lift 4	Area	27.6	
Construction North Air Compressor 1	Area	33.5	
Construction North Air Compressor 2	Area	33.5	
Construction North Air Compressor 3	Area	33.5	
Construction North Air Compressor 4	Area	33.5	
Construction North Cement Mortar Mixer 1	Area	36.4	
Construction North Cement Mortar Mixer 2	Area	36.4	
Construction North Crane 1	Area	32.6	
Construction North Crane 2	Area	32.6	
Construction North Crane 3	Area	32.6	
Construction North Forklift 1	Area	27.6	
Construction North Forklift 2	Area	27.6	
Construction North Forklift 3	Area	27.6	
Construction North Generator 1	Area	37.4	
Construction North Pump 1	Area	37.4	
Construction North Pump 2	Area	37.4	
Construction North Tractor Loader Backhoe 1	Area	39.6	
Construction North Tractor Loader Backhoe 2	Area	39.6	
Construction North Tractor Loader Backhoe 3	Area	39.6	
Construction North Welder 1	Area	29.5	
Receiver R4 Leq,d 50.3 dB(A)			
Construction North Aerial Lift 1	Area	29.3	
Construction North Aerial Lift 2	Area	29.3	
Construction North Aerial Lift 3	Area	29.3	
Construction North Aerial Lift 4	Area	29.3	
Construction North Air Compressor 1	Area	35.2	
Construction North Air Compressor 2	Area	35.2	
Construction North Air Compressor 3	Area	35.2	
Construction North Air Compressor 4	Area	35.2	
Construction North Cement Mortar Mixer 1	Area	38.1	
Construction North Cement Mortar Mixer 2	Area	38.1	
Construction North Crane 1	Area	34.3	
Construction North Crane 2	Area	34.3	
Construction North Crane 3	Area	34.3	

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Buena Vista Calculated Noise Levels - 02f Phase 2 Construction

Source	Source type	Leq,d dB(A)	
Construction North Forklift 1	Area	29.3	
Construction North Forklift 2	Area	29.3	
Construction North Forklift 3	Area	29.3	
Construction North Generator 1	Area	39.1	
Construction North Pump 1	Area	39.1	
Construction North Pump 2	Area	39.1	
Construction North Tractor Loader Backhoe 1	Area	41.3	
Construction North Tractor Loader Backhoe 2	Area	41.3	
Construction North Tractor Loader Backhoe 3	Area	41.3	
Construction North Welder 1	Area	31.2	
Receiver R5 Leq,d 34.8 dB(A)			
Construction North Aerial Lift 1	Area	14.0	
Construction North Aerial Lift 2	Area	14.0	
Construction North Aerial Lift 3	Area	14.0	
Construction North Aerial Lift 4	Area	14.0	
Construction North Air Compressor 1	Area	19.7	
Construction North Air Compressor 2	Area	19.7	
Construction North Air Compressor 3	Area	19.7	
Construction North Air Compressor 4	Area	19.7	
Construction North Cement Mortar Mixer 1	Area	22.6	
Construction North Cement Mortar Mixer 2	Area	22.6	
Construction North Crane 1	Area	19.0	
Construction North Crane 2	Area	19.0	
Construction North Crane 3	Area	19.0	
Construction North Forklift 1	Area	14.0	
Construction North Forklift 2	Area	14.0	
Construction North Forklift 3	Area	14.0	
Construction North Generator 1	Area	23.6	
Construction North Pump 1	Area	23.6	
Construction North Pump 2	Area	23.6	
Construction North Tractor Loader Backhoe 1	Area	26.0	
Construction North Tractor Loader Backhoe 2	Area	26.0	
Construction North Tractor Loader Backhoe 3	Area	26.0	
Construction North Welder 1	Area	15.7	
Receiver R6 Leq,d 51.9 dB(A)			
Construction North Aerial Lift 1	Area	30.9	
Construction North Aerial Lift 2	Area	30.9	
Construction North Aerial Lift 3	Area	30.9	
Construction North Aerial Lift 4	Area	30.9	
Construction North Air Compressor 1	Area	36.8	
Construction North Air Compressor 2	Area	36.8	
Construction North Air Compressor 3	Area	36.8	
Construction North Air Compressor 4	Area	36.8	

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Buena Vista Calculated Noise Levels - 02f Phase 2 Construction

Source	Source type	Leq,d dB(A)	
Construction North Cement Mortar Mixer 1	Area	39.7	
Construction North Cement Mortar Mixer 2	Area	39.7	
Construction North Crane 1	Area	35.9	
Construction North Crane 2	Area	35.9	
Construction North Crane 3	Area	35.9	
Construction North Forklift 1	Area	30.9	
Construction North Forklift 2	Area	30.9	
Construction North Forklift 3	Area	30.9	
Construction North Generator 1	Area	40.7	
Construction North Pump 1	Area	40.7	
Construction North Pump 2	Area	40.7	
Construction North Tractor Loader Backhoe 1	Area	42.9	
Construction North Tractor Loader Backhoe 2	Area	42.9	
Construction North Tractor Loader Backhoe 3	Area	42.9	
Construction North Welder 1	Area	32.8	
Receiver R7 Leq,d 39.6 dB(A)			
Construction North Aerial Lift 1	Area	18.9	
Construction North Aerial Lift 2	Area	18.9	
Construction North Aerial Lift 3	Area	18.9	
Construction North Aerial Lift 4	Area	18.9	
Construction North Air Compressor 1	Area	24.2	
Construction North Air Compressor 2	Area	24.2	
Construction North Air Compressor 3	Area	24.2	
Construction North Air Compressor 4	Area	24.2	
Construction North Cement Mortar Mixer 1	Area	27.1	
Construction North Cement Mortar Mixer 2	Area	27.1	
Construction North Crane 1	Area	23.9	
Construction North Crane 2	Area	23.9	
Construction North Crane 3	Area	23.9	
Construction North Forklift 1	Area	18.9	
Construction North Forklift 2	Area	18.9	
Construction North Forklift 3	Area	18.9	
Construction North Generator 1	Area	28.1	
Construction North Pump 1	Area	28.1	
Construction North Pump 2	Area	28.1	
Construction North Tractor Loader Backhoe 1	Area	30.9	
Construction North Tractor Loader Backhoe 2	Area	30.9	
Construction North Tractor Loader Backhoe 3	Area	30.9	
Construction North Welder 1	Area	20.2	
Receiver R8 Leq,d 63.8 dB(A)			
Construction North Aerial Lift 1	Area	43.1	
Construction North Aerial Lift 2	Area	43.0	
Construction North Aerial Lift 3	Area	43.0	

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Buena Vista Calculated Noise Levels - 02f Phase 2 Construction

Source	Source type	Leq,d dB(A)	
Construction North Aerial Lift 4	Area	43.0	
Construction North Air Compressor 1	Area	48.5	
Construction North Air Compressor 2	Area	48.5	
Construction North Air Compressor 3	Area	48.5	
Construction North Air Compressor 4	Area	48.5	
Construction North Cement Mortar Mixer 1	Area	51.4	
Construction North Cement Mortar Mixer 2	Area	51.4	
Construction North Crane 1	Area	48.0	
Construction North Crane 2	Area	48.0	
Construction North Crane 3	Area	48.0	
Construction North Forklift 1	Area	43.0	
Construction North Forklift 2	Area	43.0	
Construction North Forklift 3	Area	43.0	
Construction North Generator 1	Area	52.4	
Construction North Pump 1	Area	52.4	
Construction North Pump 2	Area	52.4	
Construction North Tractor Loader Backhoe 1	Area	55.0	
Construction North Tractor Loader Backhoe 2	Area	55.0	
Construction North Tractor Loader Backhoe 3	Area	55.0	
Construction North Welder 1	Area	44.5	
Receiver R9 Leq,d 58.7 dB(A)			
Construction North Aerial Lift 1	Area	38.0	
Construction North Aerial Lift 2	Area	38.0	
Construction North Aerial Lift 3	Area	38.0	
Construction North Aerial Lift 4	Area	38.0	
Construction North Air Compressor 1	Area	43.4	
Construction North Air Compressor 2	Area	43.4	
Construction North Air Compressor 3	Area	43.4	
Construction North Air Compressor 4	Area	43.4	
Construction North Cement Mortar Mixer 1	Area	46.3	
Construction North Cement Mortar Mixer 2	Area	46.3	
Construction North Crane 1	Area	43.0	
Construction North Crane 2	Area	43.0	
Construction North Crane 3	Area	43.0	
Construction North Forklift 1	Area	38.0	
Construction North Forklift 2	Area	38.0	
Construction North Forklift 3	Area	38.0	
Construction North Generator 1	Area	47.3	
Construction North Pump 1	Area	47.3	
Construction North Pump 2	Area	47.3	
Construction North Tractor Loader Backhoe 1	Area	50.0	
Construction North Tractor Loader Backhoe 2	Area	50.0	
Construction North Tractor Loader Backhoe 3	Area	50.0	

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Buena Vista Calculated Noise Levels - 02f Phase 2 Construction

Source	Source type	Leq,d dB(A)	
Construction North Welder 1	Area	39.4	
Receiver R10 Leq,d 71.9 dB(A)			
Construction North Aerial Lift 1	Area	51.3	
Construction North Aerial Lift 2	Area	51.3	
Construction North Aerial Lift 3	Area	51.3	
Construction North Aerial Lift 4	Area	51.3	
Construction North Air Compressor 1	Area	56.4	
Construction North Air Compressor 2	Area	56.4	
Construction North Air Compressor 3	Area	56.4	
Construction North Air Compressor 4	Area	56.4	
Construction North Cement Mortar Mixer 1	Area	59.3	
Construction North Cement Mortar Mixer 2	Area	59.3	
Construction North Crane 1	Area	56.3	
Construction North Crane 2	Area	56.3	
Construction North Crane 3	Area	56.3	
Construction North Forklift 1	Area	51.3	
Construction North Forklift 2	Area	51.3	
Construction North Forklift 3	Area	51.3	
Construction North Generator 1	Area	60.3	
Construction North Pump 1	Area	60.3	
Construction North Pump 2	Area	60.3	
Construction North Tractor Loader Backhoe 1	Area	63.3	
Construction North Tractor Loader Backhoe 2	Area	63.3	
Construction North Tractor Loader Backhoe 3	Area	63.3	
Construction North Welder 1	Area	52.4	
Receiver R11 Leq,d 47.4 dB(A)			
Construction North Aerial Lift 1	Area	26.4	
Construction North Aerial Lift 2	Area	26.4	
Construction North Aerial Lift 3	Area	26.4	
Construction North Aerial Lift 4	Area	26.4	
Construction North Air Compressor 1	Area	32.4	
Construction North Air Compressor 2	Area	32.4	
Construction North Air Compressor 3	Area	32.4	
Construction North Air Compressor 4	Area	32.4	
Construction North Cement Mortar Mixer 1	Area	35.3	
Construction North Cement Mortar Mixer 2	Area	35.3	
Construction North Crane 1	Area	31.4	
Construction North Crane 2	Area	31.4	
Construction North Crane 3	Area	31.4	
Construction North Forklift 1	Area	26.4	
Construction North Forklift 2	Area	26.4	
Construction North Forklift 3	Area	26.4	
Construction North Generator 1	Area	36.3	

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Buena Vista Calculated Noise Levels - 02f Phase 2 Construction

Source	Source type	Leq,d dB(A)	
Construction North Pump 1	Area	36.3	
Construction North Pump 2	Area	36.3	
Construction North Tractor Loader Backhoe 1	Area	38.4	
Construction North Tractor Loader Backhoe 2	Area	38.4	
Construction North Tractor Loader Backhoe 3	Area	38.4	
Construction North Welder 1	Area	28.4	
Receiver R12 Leq,d 69.8 dB(A)			
Construction North Aerial Lift 1	Area	49.1	
Construction North Aerial Lift 2	Area	49.1	
Construction North Aerial Lift 3	Area	49.1	
Construction North Aerial Lift 4	Area	49.1	
Construction North Air Compressor 1	Area	54.5	
Construction North Air Compressor 2	Area	54.5	
Construction North Air Compressor 3	Area	54.5	
Construction North Air Compressor 4	Area	54.5	
Construction North Cement Mortar Mixer 1	Area	57.4	
Construction North Cement Mortar Mixer 2	Area	57.4	
Construction North Crane 1	Area	54.1	
Construction North Crane 2	Area	54.1	
Construction North Crane 3	Area	54.1	
Construction North Forklift 1	Area	49.1	
Construction North Forklift 2	Area	49.1	
Construction North Forklift 3	Area	49.1	
Construction North Generator 1	Area	58.4	
Construction North Pump 1	Area	58.4	
Construction North Pump 2	Area	58.4	
Construction North Tractor Loader Backhoe 1	Area	61.1	
Construction North Tractor Loader Backhoe 2	Area	61.1	
Construction North Tractor Loader Backhoe 3	Area	61.1	
Construction North Welder 1	Area	50.5	
Receiver R13 Leq,d 55.5 dB(A)			
Construction North Aerial Lift 1	Area	34.5	
Construction North Aerial Lift 2	Area	34.5	
Construction North Aerial Lift 3	Area	34.5	
Construction North Aerial Lift 4	Area	34.5	
Construction North Air Compressor 1	Area	40.4	
Construction North Air Compressor 2	Area	40.4	
Construction North Air Compressor 3	Area	40.4	
Construction North Air Compressor 4	Area	40.4	
Construction North Cement Mortar Mixer 1	Area	43.3	
Construction North Cement Mortar Mixer 2	Area	43.3	
Construction North Crane 1	Area	39.5	
Construction North Crane 2	Area	39.5	

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Buena Vista Calculated Noise Levels - 02f Phase 2 Construction

Source	Source type	Leq,d dB(A)	
Construction North Crane 3	Area	39.5	
Construction North Forklift 1	Area	34.5	
Construction North Forklift 2	Area	34.5	
Construction North Forklift 3	Area	34.5	
Construction North Generator 1	Area	44.3	
Construction North Pump 1	Area	44.3	
Construction North Pump 2	Area	44.3	
Construction North Tractor Loader Backhoe 1	Area	46.5	
Construction North Tractor Loader Backhoe 2	Area	46.5	
Construction North Tractor Loader Backhoe 3	Area	46.5	
Construction North Welder 1	Area	36.4	
Receiver R14 Leq,d 42.9 dB(A)			
Construction North Aerial Lift 1	Area	21.9	
Construction North Aerial Lift 2	Area	21.9	
Construction North Aerial Lift 3	Area	21.9	
Construction North Aerial Lift 4	Area	21.9	
Construction North Air Compressor 1	Area	27.9	
Construction North Air Compressor 2	Area	27.9	
Construction North Air Compressor 3	Area	27.9	
Construction North Air Compressor 4	Area	27.9	
Construction North Cement Mortar Mixer 1	Area	30.8	
Construction North Cement Mortar Mixer 2	Area	30.8	
Construction North Crane 1	Area	26.9	
Construction North Crane 2	Area	26.9	
Construction North Crane 3	Area	26.9	
Construction North Forklift 1	Area	21.9	
Construction North Forklift 2	Area	21.9	
Construction North Forklift 3	Area	21.9	
Construction North Generator 1	Area	31.8	
Construction North Pump 1	Area	31.8	
Construction North Pump 2	Area	31.8	
Construction North Tractor Loader Backhoe 1	Area	33.9	
Construction North Tractor Loader Backhoe 2	Area	33.9	
Construction North Tractor Loader Backhoe 3	Area	33.9	
Construction North Welder 1	Area	23.9	
Receiver R15 (Trail) Leq,d 61.0 dB(A)			
Construction North Aerial Lift 1	Area	40.2	
Construction North Aerial Lift 2	Area	40.2	
Construction North Aerial Lift 3	Area	40.2	
Construction North Aerial Lift 4	Area	40.2	
Construction North Air Compressor 1	Area	45.8	
Construction North Air Compressor 2	Area	45.8	
Construction North Air Compressor 3	Area	45.8	

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Buena Vista Calculated Noise Levels - 02f Phase 2 Construction

Source	Source type	Leq,d dB(A)	
Construction North Air Compressor 4	Area	45.8	
Construction North Cement Mortar Mixer 1	Area	48.7	
Construction North Cement Mortar Mixer 2	Area	48.7	
Construction North Crane 1	Area	45.2	
Construction North Crane 2	Area	45.2	
Construction North Crane 3	Area	45.2	
Construction North Forklift 1	Area	40.2	
Construction North Forklift 2	Area	40.2	
Construction North Forklift 3	Area	40.2	
Construction North Generator 1	Area	49.7	
Construction North Pump 1	Area	49.7	
Construction North Pump 2	Area	49.7	
Construction North Tractor Loader Backhoe 1	Area	52.2	
Construction North Tractor Loader Backhoe 2	Area	52.2	
Construction North Tractor Loader Backhoe 3	Area	52.2	
Construction North Welder 1	Area	41.8	
Receiver R16 (Trail) Leq,d 64.7 dB(A)			
Construction North Aerial Lift 1	Area	44.1	
Construction North Aerial Lift 2	Area	44.1	
Construction North Aerial Lift 3	Area	44.1	
Construction North Aerial Lift 4	Area	44.1	
Construction North Air Compressor 1	Area	49.1	
Construction North Air Compressor 2	Area	49.1	
Construction North Air Compressor 3	Area	49.1	
Construction North Air Compressor 4	Area	49.1	
Construction North Cement Mortar Mixer 1	Area	52.0	
Construction North Cement Mortar Mixer 2	Area	52.0	
Construction North Crane 1	Area	49.1	
Construction North Crane 2	Area	49.1	
Construction North Crane 3	Area	49.1	
Construction North Forklift 1	Area	44.1	
Construction North Forklift 2	Area	44.1	
Construction North Forklift 3	Area	44.1	
Construction North Generator 1	Area	53.0	
Construction North Pump 1	Area	53.0	
Construction North Pump 2	Area	53.0	
Construction North Tractor Loader Backhoe 1	Area	56.1	
Construction North Tractor Loader Backhoe 2	Area	56.1	
Construction North Tractor Loader Backhoe 3	Area	56.1	
Construction North Welder 1	Area	45.1	

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Buena Vista
Source Levels in dB(A) - 02g Phase 2 Landscape

Name	Source type	Lw dB(A)	
Construction North LS Paver 1	Area	105.6	
Construction North LS Paving Equipment 1	Area	105.6	
Construction North LS Paving Equipment 2	Area	105.6	
Construction North LS Pump 1	Area	109.6	

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Buena Vista Calculated Noise Levels - 02g Phase 2 Landscape

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 41.4 dB(A)			
Construction North LS Paver 1	Area	34.0	
Construction North LS Paving Equipment 1	Area	34.0	
Construction North LS Paving Equipment 2	Area	34.0	
Construction North LS Pump 1	Area	38.0	
Receiver R2 Leq,d 39.6 dB(A)			
Construction North LS Paver 1	Area	32.2	
Construction North LS Paving Equipment 1	Area	32.2	
Construction North LS Paving Equipment 2	Area	32.2	
Construction North LS Pump 1	Area	36.2	
Receiver R3 Leq,d 41.8 dB(A)			
Construction North LS Paver 1	Area	34.4	
Construction North LS Paving Equipment 1	Area	34.4	
Construction North LS Paving Equipment 2	Area	34.4	
Construction North LS Pump 1	Area	38.4	
Receiver R4 Leq,d 44.0 dB(A)			
Construction North LS Paver 1	Area	36.6	
Construction North LS Paving Equipment 1	Area	36.6	
Construction North LS Paving Equipment 2	Area	36.6	
Construction North LS Pump 1	Area	40.6	
Receiver R5 Leq,d 27.4 dB(A)			
Construction North LS Paver 1	Area	20.0	
Construction North LS Paving Equipment 1	Area	20.0	
Construction North LS Paving Equipment 2	Area	20.0	
Construction North LS Pump 1	Area	24.0	
Receiver R6 Leq,d 45.4 dB(A)			
Construction North LS Paver 1	Area	38.0	
Construction North LS Paving Equipment 1	Area	38.0	
Construction North LS Paving Equipment 2	Area	38.0	
Construction North LS Pump 1	Area	42.0	
Receiver R7 Leq,d 38.9 dB(A)			
Construction North LS Paver 1	Area	31.5	
Construction North LS Paving Equipment 1	Area	31.5	
Construction North LS Paving Equipment 2	Area	31.5	
Construction North LS Pump 1	Area	35.5	
Receiver R8 Leq,d 60.4 dB(A)			
Construction North LS Paver 1	Area	53.0	
Construction North LS Paving Equipment 1	Area	53.0	
Construction North LS Paving Equipment 2	Area	53.0	
Construction North LS Pump 1	Area	57.0	
Receiver R9 Leq,d 49.6 dB(A)			

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Buena Vista Calculated Noise Levels - 02g Phase 2 Landscape

Source	Source type	Leq,d dB(A)	
Construction North LS Paver 1	Area	42.2	
Construction North LS Paving Equipment 1	Area	42.2	
Construction North LS Paving Equipment 2	Area	42.2	
Construction North LS Pump 1	Area	46.2	
Receiver R10 Leq,d 62.5 dB(A)			
Construction North LS Paver 1	Area	55.0	
Construction North LS Paving Equipment 1	Area	55.0	
Construction North LS Paving Equipment 2	Area	55.0	
Construction North LS Pump 1	Area	59.0	
Receiver R11 Leq,d 40.5 dB(A)			
Construction North LS Paver 1	Area	33.1	
Construction North LS Paving Equipment 1	Area	33.1	
Construction North LS Paving Equipment 2	Area	33.1	
Construction North LS Pump 1	Area	37.1	
Receiver R12 Leq,d 61.3 dB(A)			
Construction North LS Paver 1	Area	53.9	
Construction North LS Paving Equipment 1	Area	53.9	
Construction North LS Paving Equipment 2	Area	53.9	
Construction North LS Pump 1	Area	57.9	
Receiver R13 Leq,d 52.6 dB(A)			
Construction North LS Paver 1	Area	45.2	
Construction North LS Paving Equipment 1	Area	45.2	
Construction North LS Paving Equipment 2	Area	45.2	
Construction North LS Pump 1	Area	49.2	
Receiver R14 Leq,d 34.8 dB(A)			
Construction North LS Paver 1	Area	27.4	
Construction North LS Paving Equipment 1	Area	27.4	
Construction North LS Paving Equipment 2	Area	27.4	
Construction North LS Pump 1	Area	31.4	
Receiver R15 (Trail) Leq,d 53.3 dB(A)			
Construction North LS Paver 1	Area	45.8	
Construction North LS Paving Equipment 1	Area	45.8	
Construction North LS Paving Equipment 2	Area	45.8	
Construction North LS Pump 1	Area	49.8	
Receiver R16 (Trail) Leq,d 53.7 dB(A)			
Construction North LS Paver 1	Area	46.3	
Construction North LS Paving Equipment 1	Area	46.3	
Construction North LS Paving Equipment 2	Area	46.3	
Construction North LS Pump 1	Area	50.3	

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Buena Vista
Source Levels in dB(A) - 02g Phase 2 Landscape

Name	Source type	Lw dB(A)	
Construction North Aerial Lift 1	Area	99.7	
Construction North Aerial Lift 2	Area	99.7	
Construction North Aerial Lift 3	Area	99.7	
Construction North Air Compressor 1	Area	105.7	
Construction North Air Compressor 2	Area	105.7	
Construction North Air Compressor 3	Area	105.7	

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Buena Vista Calculated Noise Levels - 02g Phase 2 Landscape

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 38.4 dB(A)			
Construction North Aerial Lift 1	Area	26.7	
Construction North Aerial Lift 2	Area	26.7	
Construction North Aerial Lift 3	Area	26.7	
Construction North Air Compressor 1	Area	32.7	
Construction North Air Compressor 2	Area	32.7	
Construction North Air Compressor 3	Area	32.7	
Receiver R2 Leq,d 38.2 dB(A)			
Construction North Aerial Lift 1	Area	26.5	
Construction North Aerial Lift 2	Area	26.5	
Construction North Aerial Lift 3	Area	26.5	
Construction North Air Compressor 1	Area	32.5	
Construction North Air Compressor 2	Area	32.5	
Construction North Air Compressor 3	Area	32.5	
Receiver R3 Leq,d 39.3 dB(A)			
Construction North Aerial Lift 1	Area	27.6	
Construction North Aerial Lift 2	Area	27.6	
Construction North Aerial Lift 3	Area	27.6	
Construction North Air Compressor 1	Area	33.5	
Construction North Air Compressor 2	Area	33.5	
Construction North Air Compressor 3	Area	33.5	
Receiver R4 Leq,d 41.0 dB(A)			
Construction North Aerial Lift 1	Area	29.3	
Construction North Aerial Lift 2	Area	29.3	
Construction North Aerial Lift 3	Area	29.3	
Construction North Air Compressor 1	Area	35.2	
Construction North Air Compressor 2	Area	35.2	
Construction North Air Compressor 3	Area	35.2	
Receiver R5 Leq,d 25.5 dB(A)			
Construction North Aerial Lift 1	Area	14.0	
Construction North Aerial Lift 2	Area	14.0	
Construction North Aerial Lift 3	Area	14.0	
Construction North Air Compressor 1	Area	19.7	
Construction North Air Compressor 2	Area	19.7	
Construction North Air Compressor 3	Area	19.7	
Receiver R6 Leq,d 42.5 dB(A)			
Construction North Aerial Lift 1	Area	30.9	
Construction North Aerial Lift 2	Area	30.9	
Construction North Aerial Lift 3	Area	30.9	
Construction North Air Compressor 1	Area	36.8	
Construction North Air Compressor 2	Area	36.8	
Construction North Air Compressor 3	Area	36.8	

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Buena Vista Calculated Noise Levels - 02g Phase 2 Landscape

Source	Source type	Leq,d dB(A)	
Receiver R7 Leq,d 30.1 dB(A)			
Construction North Aerial Lift 1	Area	18.9	
Construction North Aerial Lift 2	Area	18.9	
Construction North Aerial Lift 3	Area	18.9	
Construction North Air Compressor 1	Area	24.2	
Construction North Air Compressor 2	Area	24.2	
Construction North Air Compressor 3	Area	24.2	
Receiver R8 Leq,d 54.3 dB(A)			
Construction North Aerial Lift 1	Area	43.1	
Construction North Aerial Lift 2	Area	43.0	
Construction North Aerial Lift 3	Area	43.0	
Construction North Air Compressor 1	Area	48.5	
Construction North Air Compressor 2	Area	48.5	
Construction North Air Compressor 3	Area	48.5	
Receiver R9 Leq,d 49.2 dB(A)			
Construction North Aerial Lift 1	Area	38.0	
Construction North Aerial Lift 2	Area	38.0	
Construction North Aerial Lift 3	Area	38.0	
Construction North Air Compressor 1	Area	43.4	
Construction North Air Compressor 2	Area	43.4	
Construction North Air Compressor 3	Area	43.4	
Receiver R10 Leq,d 62.3 dB(A)			
Construction North Aerial Lift 1	Area	51.3	
Construction North Aerial Lift 2	Area	51.3	
Construction North Aerial Lift 3	Area	51.3	
Construction North Air Compressor 1	Area	56.4	
Construction North Air Compressor 2	Area	56.4	
Construction North Air Compressor 3	Area	56.4	
Receiver R11 Leq,d 38.1 dB(A)			
Construction North Aerial Lift 1	Area	26.4	
Construction North Aerial Lift 2	Area	26.4	
Construction North Aerial Lift 3	Area	26.4	
Construction North Air Compressor 1	Area	32.4	
Construction North Air Compressor 2	Area	32.4	
Construction North Air Compressor 3	Area	32.4	
Receiver R12 Leq,d 60.4 dB(A)			
Construction North Aerial Lift 1	Area	49.1	
Construction North Aerial Lift 2	Area	49.1	
Construction North Aerial Lift 3	Area	49.1	
Construction North Air Compressor 1	Area	54.5	
Construction North Air Compressor 2	Area	54.5	
Construction North Air Compressor 3	Area	54.5	

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Buena Vista Calculated Noise Levels - 02g Phase 2 Landscape

Source	Source type	Leq,d dB(A)	
Receiver R13 Leq,d 46.2 dB(A)			
Construction North Aerial Lift 1	Area	34.5	
Construction North Aerial Lift 2	Area	34.5	
Construction North Aerial Lift 3	Area	34.5	
Construction North Air Compressor 1	Area	40.4	
Construction North Air Compressor 2	Area	40.4	
Construction North Air Compressor 3	Area	40.4	
Receiver R14 Leq,d 33.6 dB(A)			
Construction North Aerial Lift 1	Area	21.9	
Construction North Aerial Lift 2	Area	21.9	
Construction North Aerial Lift 3	Area	21.9	
Construction North Air Compressor 1	Area	27.9	
Construction North Air Compressor 2	Area	27.9	
Construction North Air Compressor 3	Area	27.9	
Receiver R15 (Trail) Leq,d 51.6 dB(A)			
Construction North Aerial Lift 1	Area	40.2	
Construction North Aerial Lift 2	Area	40.2	
Construction North Aerial Lift 3	Area	40.2	
Construction North Air Compressor 1	Area	45.8	
Construction North Air Compressor 2	Area	45.8	
Construction North Air Compressor 3	Area	45.8	
Receiver R16 (Trail) Leq,d 55.1 dB(A)			
Construction North Aerial Lift 1	Area	44.1	
Construction North Aerial Lift 2	Area	44.1	
Construction North Aerial Lift 3	Area	44.1	
Construction North Air Compressor 1	Area	49.1	
Construction North Air Compressor 2	Area	49.1	
Construction North Air Compressor 3	Area	49.1	

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Buena Vista
Source Levels in dB(A) - 03a Off-Site Excavation

Name	Source type	Lw dB(A)	
Const. OS N WM Excavator 1	Line	108.7	
Const. OS N WM Loader 1	Line	106.7	
Const. OS N WM Tractor Loader Backhoe 1	Line	111.7	
Const. OS N WM Water Truck 1	Line	103.7	
Const. OS S WM Excavator 1	Line	108.7	
Const. OS S WM Loader 1	Line	106.7	
Const. OS S WM Tractor Loader Backhoe 1	Line	111.7	
Const. OS S WM Water Truck 1	Line	103.7	

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Buena Vista Calculated Noise Levels - 03a Off-Site Excavation

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 53.6 dB(A)			
Const. OS S WM Excavator 1	Line	47.3	
Const. OS N WM Excavator 1	Line	36.0	
Const. OS S WM Loader 1	Line	45.3	
Const. OS N WM Loader 1	Line	34.0	
Const. OS S WM Tractor Loader Backhoe 1	Line	50.3	
Const. OS N WM Tractor Loader Backhoe 1	Line	39.0	
Const. OS S WM Water Truck 1	Line	42.3	
Const. OS N WM Water Truck 1	Line	31.0	
Receiver R2 Leq,d 44.9 dB(A)			
Const. OS S WM Excavator 1	Line	36.5	
Const. OS N WM Excavator 1	Line	35.4	
Const. OS S WM Loader 1	Line	34.5	
Const. OS N WM Loader 1	Line	33.4	
Const. OS S WM Tractor Loader Backhoe 1	Line	39.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	38.4	
Const. OS S WM Water Truck 1	Line	31.5	
Const. OS N WM Water Truck 1	Line	30.4	
Receiver R3 Leq,d 61.4 dB(A)			
Const. OS S WM Excavator 1	Line	55.4	
Const. OS N WM Excavator 1	Line	36.5	
Const. OS S WM Loader 1	Line	53.4	
Const. OS N WM Loader 1	Line	34.5	
Const. OS S WM Tractor Loader Backhoe 1	Line	58.4	
Const. OS N WM Tractor Loader Backhoe 1	Line	39.5	
Const. OS S WM Water Truck 1	Line	50.4	
Const. OS N WM Water Truck 1	Line	31.5	
Receiver R4 Leq,d 65.7 dB(A)			
Const. OS S WM Excavator 1	Line	59.7	
Const. OS N WM Excavator 1	Line	38.3	
Const. OS S WM Loader 1	Line	57.7	
Const. OS N WM Loader 1	Line	36.3	
Const. OS S WM Tractor Loader Backhoe 1	Line	62.7	
Const. OS N WM Tractor Loader Backhoe 1	Line	41.3	
Const. OS S WM Water Truck 1	Line	54.7	
Const. OS N WM Water Truck 1	Line	33.3	
Receiver R5 Leq,d 63.0 dB(A)			
Const. OS S WM Excavator 1	Line	57.0	
Const. OS N WM Excavator 1	Line	23.3	
Const. OS S WM Loader 1	Line	55.0	
Const. OS N WM Loader 1	Line	21.3	
Const. OS S WM Tractor Loader Backhoe 1	Line	60.0	

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Buena Vista Calculated Noise Levels - 03a Off-Site Excavation

Source	Source type	Leq,d dB(A)	
Const. OS N WM Tractor Loader Backhoe 1	Line	26.3	
Const. OS S WM Water Truck 1	Line	52.0	
Const. OS N WM Water Truck 1	Line	18.3	
Receiver R6 Leq,d 71.7 dB(A)			
Const. OS S WM Excavator 1	Line	65.7	
Const. OS N WM Excavator 1	Line	39.4	
Const. OS S WM Loader 1	Line	63.7	
Const. OS N WM Loader 1	Line	37.4	
Const. OS S WM Tractor Loader Backhoe 1	Line	68.7	
Const. OS N WM Tractor Loader Backhoe 1	Line	42.4	
Const. OS S WM Water Truck 1	Line	60.7	
Const. OS N WM Water Truck 1	Line	34.4	
Receiver R7 Leq,d 54.9 dB(A)			
Const. OS S WM Excavator 1	Line	48.9	
Const. OS N WM Excavator 1	Line	29.6	
Const. OS S WM Loader 1	Line	46.9	
Const. OS N WM Loader 1	Line	27.6	
Const. OS S WM Tractor Loader Backhoe 1	Line	51.9	
Const. OS N WM Tractor Loader Backhoe 1	Line	32.6	
Const. OS S WM Water Truck 1	Line	43.9	
Const. OS N WM Water Truck 1	Line	24.6	
Receiver R8 Leq,d 59.7 dB(A)			
Const. OS S WM Excavator 1	Line	43.5	
Const. OS N WM Excavator 1	Line	53.3	
Const. OS S WM Loader 1	Line	41.5	
Const. OS N WM Loader 1	Line	51.3	
Const. OS S WM Tractor Loader Backhoe 1	Line	46.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	56.3	
Const. OS S WM Water Truck 1	Line	38.5	
Const. OS N WM Water Truck 1	Line	48.3	
Receiver R9 Leq,d 55.6 dB(A)			
Const. OS S WM Excavator 1	Line	33.5	
Const. OS N WM Excavator 1	Line	49.6	
Const. OS S WM Loader 1	Line	31.5	
Const. OS N WM Loader 1	Line	47.6	
Const. OS S WM Tractor Loader Backhoe 1	Line	36.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	52.6	
Const. OS S WM Water Truck 1	Line	28.5	
Const. OS N WM Water Truck 1	Line	44.6	
Receiver R10 Leq,d 69.7 dB(A)			
Const. OS S WM Excavator 1	Line	38.5	
Const. OS N WM Excavator 1	Line	63.7	

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Buena Vista Calculated Noise Levels - 03a Off-Site Excavation

Source	Source type	Leq,d dB(A)	
Const. OS S WM Loader 1	Line	36.5	
Const. OS N WM Loader 1	Line	61.7	
Const. OS S WM Tractor Loader Backhoe 1	Line	41.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	66.7	
Const. OS S WM Water Truck 1	Line	33.5	
Const. OS N WM Water Truck 1	Line	58.7	
Receiver R11 Leq,d 52.3 dB(A)			
Const. OS S WM Excavator 1	Line	45.9	
Const. OS N WM Excavator 1	Line	35.3	
Const. OS S WM Loader 1	Line	43.9	
Const. OS N WM Loader 1	Line	33.3	
Const. OS S WM Tractor Loader Backhoe 1	Line	48.9	
Const. OS N WM Tractor Loader Backhoe 1	Line	38.3	
Const. OS S WM Water Truck 1	Line	40.9	
Const. OS N WM Water Truck 1	Line	30.3	
Receiver R12 Leq,d 59.6 dB(A)			
Const. OS S WM Excavator 1	Line	39.6	
Const. OS N WM Excavator 1	Line	53.5	
Const. OS S WM Loader 1	Line	37.6	
Const. OS N WM Loader 1	Line	51.5	
Const. OS S WM Tractor Loader Backhoe 1	Line	42.6	
Const. OS N WM Tractor Loader Backhoe 1	Line	56.5	
Const. OS S WM Water Truck 1	Line	34.6	
Const. OS N WM Water Truck 1	Line	48.5	
Receiver R13 Leq,d 56.9 dB(A)			
Const. OS S WM Excavator 1	Line	50.1	
Const. OS N WM Excavator 1	Line	43.6	
Const. OS S WM Loader 1	Line	48.1	
Const. OS N WM Loader 1	Line	41.6	
Const. OS S WM Tractor Loader Backhoe 1	Line	53.1	
Const. OS N WM Tractor Loader Backhoe 1	Line	46.6	
Const. OS S WM Water Truck 1	Line	45.1	
Const. OS N WM Water Truck 1	Line	38.6	
Receiver R14 Leq,d 38.2 dB(A)			
Const. OS S WM Excavator 1	Line	26.7	
Const. OS N WM Excavator 1	Line	30.9	
Const. OS S WM Loader 1	Line	24.7	
Const. OS N WM Loader 1	Line	28.9	
Const. OS S WM Tractor Loader Backhoe 1	Line	29.7	
Const. OS N WM Tractor Loader Backhoe 1	Line	33.9	
Const. OS S WM Water Truck 1	Line	21.7	
Const. OS N WM Water Truck 1	Line	25.9	

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Buena Vista Calculated Noise Levels - 03a Off-Site Excavation

Source	Source type	Leq,d dB(A)	
Receiver R15 (Trail) Leq,d 56.9 dB(A)			
Const. OS S WM Excavator 1	Line	42.5	
Const. OS N WM Excavator 1	Line	50.3	
Const. OS S WM Loader 1	Line	40.5	
Const. OS N WM Loader 1	Line	48.3	
Const. OS S WM Tractor Loader Backhoe 1	Line	45.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	53.3	
Const. OS S WM Water Truck 1	Line	37.5	
Const. OS N WM Water Truck 1	Line	45.3	
Receiver R16 (Trail) Leq,d 58.7 dB(A)			
Const. OS S WM Excavator 1	Line	35.6	
Const. OS N WM Excavator 1	Line	52.7	
Const. OS S WM Loader 1	Line	33.6	
Const. OS N WM Loader 1	Line	50.7	
Const. OS S WM Tractor Loader Backhoe 1	Line	38.6	
Const. OS N WM Tractor Loader Backhoe 1	Line	55.7	
Const. OS S WM Water Truck 1	Line	30.6	
Const. OS N WM Water Truck 1	Line	47.7	

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Buena Vista
Source Levels in dB(A) - 03b Off-Site Utilities

Name	Source type	Lw dB(A)	
Const. OS N WM Excavator 1	Line	108.7	
Const. OS N WM Loader 1	Line	106.7	
Const. OS N WM Tractor Loader Backhoe 1	Line	111.7	
Const. OS N WM Water Truck 1	Line	103.7	
Const. OS S WM Excavator 1	Line	108.7	
Const. OS S WM Loader 1	Line	106.7	
Const. OS S WM Tractor Loader Backhoe 1	Line	111.7	
Const. OS S WM Water Truck 1	Line	103.7	

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Buena Vista Calculated Noise Levels - 03b Off-Site Utilities

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 53.6 dB(A)			
Const. OS S WM Excavator 1	Line	47.3	
Const. OS N WM Excavator 1	Line	36.0	
Const. OS S WM Loader 1	Line	45.3	
Const. OS N WM Loader 1	Line	34.0	
Const. OS S WM Tractor Loader Backhoe 1	Line	50.3	
Const. OS N WM Tractor Loader Backhoe 1	Line	39.0	
Const. OS S WM Water Truck 1	Line	42.3	
Const. OS N WM Water Truck 1	Line	31.0	
Receiver R2 Leq,d 44.9 dB(A)			
Const. OS S WM Excavator 1	Line	36.5	
Const. OS N WM Excavator 1	Line	35.4	
Const. OS S WM Loader 1	Line	34.5	
Const. OS N WM Loader 1	Line	33.4	
Const. OS S WM Tractor Loader Backhoe 1	Line	39.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	38.4	
Const. OS S WM Water Truck 1	Line	31.5	
Const. OS N WM Water Truck 1	Line	30.4	
Receiver R3 Leq,d 61.4 dB(A)			
Const. OS S WM Excavator 1	Line	55.4	
Const. OS N WM Excavator 1	Line	36.5	
Const. OS S WM Loader 1	Line	53.4	
Const. OS N WM Loader 1	Line	34.5	
Const. OS S WM Tractor Loader Backhoe 1	Line	58.4	
Const. OS N WM Tractor Loader Backhoe 1	Line	39.5	
Const. OS S WM Water Truck 1	Line	50.4	
Const. OS N WM Water Truck 1	Line	31.5	
Receiver R4 Leq,d 65.7 dB(A)			
Const. OS S WM Excavator 1	Line	59.7	
Const. OS N WM Excavator 1	Line	38.3	
Const. OS S WM Loader 1	Line	57.7	
Const. OS N WM Loader 1	Line	36.3	
Const. OS S WM Tractor Loader Backhoe 1	Line	62.7	
Const. OS N WM Tractor Loader Backhoe 1	Line	41.3	
Const. OS S WM Water Truck 1	Line	54.7	
Const. OS N WM Water Truck 1	Line	33.3	
Receiver R5 Leq,d 63.0 dB(A)			
Const. OS S WM Excavator 1	Line	57.0	
Const. OS N WM Excavator 1	Line	23.3	
Const. OS S WM Loader 1	Line	55.0	
Const. OS N WM Loader 1	Line	21.3	
Const. OS S WM Tractor Loader Backhoe 1	Line	60.0	

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Buena Vista
Calculated Noise Levels - 03b Off-Site Utilities

Source	Source type	Leq,d dB(A)	
Const. OS N WM Tractor Loader Backhoe 1	Line	26.3	
Const. OS S WM Water Truck 1	Line	52.0	
Const. OS N WM Water Truck 1	Line	18.3	
Receiver R6 Leq,d 71.7 dB(A)			
Const. OS S WM Excavator 1	Line	65.7	
Const. OS N WM Excavator 1	Line	39.4	
Const. OS S WM Loader 1	Line	63.7	
Const. OS N WM Loader 1	Line	37.4	
Const. OS S WM Tractor Loader Backhoe 1	Line	68.7	
Const. OS N WM Tractor Loader Backhoe 1	Line	42.4	
Const. OS S WM Water Truck 1	Line	60.7	
Const. OS N WM Water Truck 1	Line	34.4	
Receiver R7 Leq,d 54.9 dB(A)			
Const. OS S WM Excavator 1	Line	48.9	
Const. OS N WM Excavator 1	Line	29.6	
Const. OS S WM Loader 1	Line	46.9	
Const. OS N WM Loader 1	Line	27.6	
Const. OS S WM Tractor Loader Backhoe 1	Line	51.9	
Const. OS N WM Tractor Loader Backhoe 1	Line	32.6	
Const. OS S WM Water Truck 1	Line	43.9	
Const. OS N WM Water Truck 1	Line	24.6	
Receiver R8 Leq,d 59.7 dB(A)			
Const. OS S WM Excavator 1	Line	43.5	
Const. OS N WM Excavator 1	Line	53.3	
Const. OS S WM Loader 1	Line	41.5	
Const. OS N WM Loader 1	Line	51.3	
Const. OS S WM Tractor Loader Backhoe 1	Line	46.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	56.3	
Const. OS S WM Water Truck 1	Line	38.5	
Const. OS N WM Water Truck 1	Line	48.3	
Receiver R9 Leq,d 55.6 dB(A)			
Const. OS S WM Excavator 1	Line	33.5	
Const. OS N WM Excavator 1	Line	49.6	
Const. OS S WM Loader 1	Line	31.5	
Const. OS N WM Loader 1	Line	47.6	
Const. OS S WM Tractor Loader Backhoe 1	Line	36.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	52.6	
Const. OS S WM Water Truck 1	Line	28.5	
Const. OS N WM Water Truck 1	Line	44.6	
Receiver R10 Leq,d 69.7 dB(A)			
Const. OS S WM Excavator 1	Line	38.5	
Const. OS N WM Excavator 1	Line	63.7	

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Buena Vista Calculated Noise Levels - 03b Off-Site Utilities

Source	Source type	Leq,d dB(A)	
Const. OS S WM Loader 1	Line	36.5	
Const. OS N WM Loader 1	Line	61.7	
Const. OS S WM Tractor Loader Backhoe 1	Line	41.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	66.7	
Const. OS S WM Water Truck 1	Line	33.5	
Const. OS N WM Water Truck 1	Line	58.7	
Receiver R11 Leq,d 52.3 dB(A)			
Const. OS S WM Excavator 1	Line	45.9	
Const. OS N WM Excavator 1	Line	35.3	
Const. OS S WM Loader 1	Line	43.9	
Const. OS N WM Loader 1	Line	33.3	
Const. OS S WM Tractor Loader Backhoe 1	Line	48.9	
Const. OS N WM Tractor Loader Backhoe 1	Line	38.3	
Const. OS S WM Water Truck 1	Line	40.9	
Const. OS N WM Water Truck 1	Line	30.3	
Receiver R12 Leq,d 59.6 dB(A)			
Const. OS S WM Excavator 1	Line	39.6	
Const. OS N WM Excavator 1	Line	53.5	
Const. OS S WM Loader 1	Line	37.6	
Const. OS N WM Loader 1	Line	51.5	
Const. OS S WM Tractor Loader Backhoe 1	Line	42.6	
Const. OS N WM Tractor Loader Backhoe 1	Line	56.5	
Const. OS S WM Water Truck 1	Line	34.6	
Const. OS N WM Water Truck 1	Line	48.5	
Receiver R13 Leq,d 56.9 dB(A)			
Const. OS S WM Excavator 1	Line	50.1	
Const. OS N WM Excavator 1	Line	43.6	
Const. OS S WM Loader 1	Line	48.1	
Const. OS N WM Loader 1	Line	41.6	
Const. OS S WM Tractor Loader Backhoe 1	Line	53.1	
Const. OS N WM Tractor Loader Backhoe 1	Line	46.6	
Const. OS S WM Water Truck 1	Line	45.1	
Const. OS N WM Water Truck 1	Line	38.6	
Receiver R14 Leq,d 38.2 dB(A)			
Const. OS S WM Excavator 1	Line	26.7	
Const. OS N WM Excavator 1	Line	30.9	
Const. OS S WM Loader 1	Line	24.7	
Const. OS N WM Loader 1	Line	28.9	
Const. OS S WM Tractor Loader Backhoe 1	Line	29.7	
Const. OS N WM Tractor Loader Backhoe 1	Line	33.9	
Const. OS S WM Water Truck 1	Line	21.7	
Const. OS N WM Water Truck 1	Line	25.9	

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Buena Vista Calculated Noise Levels - 03b Off-Site Utilities

Source	Source type	Leq,d dB(A)	
Receiver R15 (Trail) Leq,d 56.9 dB(A)			
Const. OS S WM Excavator 1	Line	42.5	
Const. OS N WM Excavator 1	Line	50.3	
Const. OS S WM Loader 1	Line	40.5	
Const. OS N WM Loader 1	Line	48.3	
Const. OS S WM Tractor Loader Backhoe 1	Line	45.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	53.3	
Const. OS S WM Water Truck 1	Line	37.5	
Const. OS N WM Water Truck 1	Line	45.3	
Receiver R16 (Trail) Leq,d 58.7 dB(A)			
Const. OS S WM Excavator 1	Line	35.6	
Const. OS N WM Excavator 1	Line	52.7	
Const. OS S WM Loader 1	Line	33.6	
Const. OS N WM Loader 1	Line	50.7	
Const. OS S WM Tractor Loader Backhoe 1	Line	38.6	
Const. OS N WM Tractor Loader Backhoe 1	Line	55.7	
Const. OS S WM Water Truck 1	Line	30.6	
Const. OS N WM Water Truck 1	Line	47.7	

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Buena Vista
Source Levels in dB(A) - 03c Off-Site Paving

Name	Source type	Lw dB(A)	
Const. OS N WM Cement Mortar Mixer 1	Line	108.6	
Const. OS N WM Concrete Saw 1	Line	114.7	
Const. OS N WM Paver 1	Line	105.6	
Const. OS N WM Paving Equipment 1	Line	105.6	
Const. OS N WM Roller 1	Line	104.7	
Const. OS N WM Tractor Loader Backhoe 1	Line	111.7	
Const. OS S WM Cement Mortar Mixer 1	Line	108.6	
Const. OS S WM Concrete Saw 1	Line	114.7	
Const. OS S WM Paver 1	Line	105.6	
Const. OS S WM Paving Equipment 1	Line	105.6	
Const. OS S WM Roller 1	Line	104.7	
Const. OS S WM Tractor Loader Backhoe 1	Line	111.7	

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Buena Vista Calculated Noise Levels - 03c Off-Site Paving

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 56.7 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	34.8	
Const. OS N WM Concrete Saw 1	Line	40.9	
Const. OS N WM Paver 1	Line	32.9	
Const. OS N WM Paving Equipment 1	Line	32.9	
Const. OS N WM Roller 1	Line	32.0	
Const. OS N WM Tractor Loader Backhoe 1	Line	39.0	
Const. OS S WM Cement Mortar Mixer 1	Line	47.1	
Const. OS S WM Concrete Saw 1	Line	53.2	
Const. OS S WM Paver 1	Line	44.2	
Const. OS S WM Paving Equipment 1	Line	44.2	
Const. OS S WM Roller 1	Line	43.3	
Const. OS S WM Tractor Loader Backhoe 1	Line	50.3	
Receiver R2 Leq,d 47.7 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	34.4	
Const. OS N WM Concrete Saw 1	Line	40.5	
Const. OS N WM Paver 1	Line	32.3	
Const. OS N WM Paving Equipment 1	Line	32.3	
Const. OS N WM Roller 1	Line	31.4	
Const. OS N WM Tractor Loader Backhoe 1	Line	38.4	
Const. OS S WM Cement Mortar Mixer 1	Line	35.7	
Const. OS S WM Concrete Saw 1	Line	41.8	
Const. OS S WM Paver 1	Line	33.4	
Const. OS S WM Paving Equipment 1	Line	33.4	
Const. OS S WM Roller 1	Line	32.5	
Const. OS S WM Tractor Loader Backhoe 1	Line	39.5	
Receiver R3 Leq,d 64.4 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	36.3	
Const. OS N WM Concrete Saw 1	Line	42.4	
Const. OS N WM Paver 1	Line	33.4	
Const. OS N WM Paving Equipment 1	Line	33.4	
Const. OS N WM Roller 1	Line	32.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	39.5	
Const. OS S WM Cement Mortar Mixer 1	Line	54.9	
Const. OS S WM Concrete Saw 1	Line	61.0	
Const. OS S WM Paver 1	Line	52.3	
Const. OS S WM Paving Equipment 1	Line	52.3	
Const. OS S WM Roller 1	Line	51.4	
Const. OS S WM Tractor Loader Backhoe 1	Line	58.4	
Receiver R4 Leq,d 68.8 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	38.1	
Const. OS N WM Concrete Saw 1	Line	44.2	
Const. OS N WM Paver 1	Line	35.2	

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Buena Vista
Calculated Noise Levels - 03c Off-Site Paving

Source	Source type	Leq,d dB(A)	
Const. OS N WM Paving Equipment 1	Line	35.2	
Const. OS N WM Roller 1	Line	34.3	
Const. OS N WM Tractor Loader Backhoe 1	Line	41.3	
Const. OS S WM Cement Mortar Mixer 1	Line	59.3	
Const. OS S WM Concrete Saw 1	Line	65.4	
Const. OS S WM Paver 1	Line	56.6	
Const. OS S WM Paving Equipment 1	Line	56.6	
Const. OS S WM Roller 1	Line	55.7	
Const. OS S WM Tractor Loader Backhoe 1	Line	62.7	
Receiver R5 Leq,d 66.0 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	22.6	
Const. OS N WM Concrete Saw 1	Line	28.7	
Const. OS N WM Paver 1	Line	20.2	
Const. OS N WM Paving Equipment 1	Line	20.2	
Const. OS N WM Roller 1	Line	19.3	
Const. OS N WM Tractor Loader Backhoe 1	Line	26.3	
Const. OS S WM Cement Mortar Mixer 1	Line	56.5	
Const. OS S WM Concrete Saw 1	Line	62.6	
Const. OS S WM Paver 1	Line	53.9	
Const. OS S WM Paving Equipment 1	Line	53.9	
Const. OS S WM Roller 1	Line	53.0	
Const. OS S WM Tractor Loader Backhoe 1	Line	60.0	
Receiver R6 Leq,d 74.4 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	39.3	
Const. OS N WM Concrete Saw 1	Line	45.4	
Const. OS N WM Paver 1	Line	36.3	
Const. OS N WM Paving Equipment 1	Line	36.3	
Const. OS N WM Roller 1	Line	35.4	
Const. OS N WM Tractor Loader Backhoe 1	Line	42.4	
Const. OS S WM Cement Mortar Mixer 1	Line	64.7	
Const. OS S WM Concrete Saw 1	Line	70.8	
Const. OS S WM Paver 1	Line	62.6	
Const. OS S WM Paving Equipment 1	Line	62.6	
Const. OS S WM Roller 1	Line	61.7	
Const. OS S WM Tractor Loader Backhoe 1	Line	68.7	
Receiver R7 Leq,d 57.8 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	28.9	
Const. OS N WM Concrete Saw 1	Line	35.0	
Const. OS N WM Paver 1	Line	26.5	
Const. OS N WM Paving Equipment 1	Line	26.5	
Const. OS N WM Roller 1	Line	25.6	
Const. OS N WM Tractor Loader Backhoe 1	Line	32.6	
Const. OS S WM Cement Mortar Mixer 1	Line	48.2	

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Buena Vista
Calculated Noise Levels - 03c Off-Site Paving

Source	Source type	Leq,d dB(A)	
Const. OS S WM Concrete Saw 1	Line	54.3	
Const. OS S WM Paver 1	Line	45.8	
Const. OS S WM Paving Equipment 1	Line	45.8	
Const. OS S WM Roller 1	Line	44.9	
Const. OS S WM Tractor Loader Backhoe 1	Line	51.9	
Receiver R8 Leq,d 62.8 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	53.0	
Const. OS N WM Concrete Saw 1	Line	59.1	
Const. OS N WM Paver 1	Line	50.2	
Const. OS N WM Paving Equipment 1	Line	50.2	
Const. OS N WM Roller 1	Line	49.3	
Const. OS N WM Tractor Loader Backhoe 1	Line	56.3	
Const. OS S WM Cement Mortar Mixer 1	Line	43.4	
Const. OS S WM Concrete Saw 1	Line	49.5	
Const. OS S WM Paver 1	Line	40.4	
Const. OS S WM Paving Equipment 1	Line	40.4	
Const. OS S WM Roller 1	Line	39.5	
Const. OS S WM Tractor Loader Backhoe 1	Line	46.5	
Receiver R9 Leq,d 58.6 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	49.0	
Const. OS N WM Concrete Saw 1	Line	55.1	
Const. OS N WM Paver 1	Line	46.5	
Const. OS N WM Paving Equipment 1	Line	46.5	
Const. OS N WM Roller 1	Line	45.6	
Const. OS N WM Tractor Loader Backhoe 1	Line	52.6	
Const. OS S WM Cement Mortar Mixer 1	Line	33.2	
Const. OS S WM Concrete Saw 1	Line	39.3	
Const. OS S WM Paver 1	Line	30.4	
Const. OS S WM Paving Equipment 1	Line	30.4	
Const. OS S WM Roller 1	Line	29.5	
Const. OS S WM Tractor Loader Backhoe 1	Line	36.5	
Receiver R10 Leq,d 72.4 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	62.8	
Const. OS N WM Concrete Saw 1	Line	68.9	
Const. OS N WM Paver 1	Line	60.6	
Const. OS N WM Paving Equipment 1	Line	60.6	
Const. OS N WM Roller 1	Line	59.7	
Const. OS N WM Tractor Loader Backhoe 1	Line	66.7	
Const. OS S WM Cement Mortar Mixer 1	Line	38.3	
Const. OS S WM Concrete Saw 1	Line	44.4	
Const. OS S WM Paver 1	Line	35.4	
Const. OS S WM Paving Equipment 1	Line	35.4	
Const. OS S WM Roller 1	Line	34.5	

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Buena Vista Calculated Noise Levels - 03c Off-Site Paving

Source	Source type	Leq,d dB(A)	
Const. OS S WM Tractor Loader Backhoe 1	Line	41.5	
Receiver R11 Leq,d 55.5 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	35.2	
Const. OS N WM Concrete Saw 1	Line	41.3	
Const. OS N WM Paver 1	Line	32.2	
Const. OS N WM Paving Equipment 1	Line	32.2	
Const. OS N WM Roller 1	Line	31.3	
Const. OS N WM Tractor Loader Backhoe 1	Line	38.3	
Const. OS S WM Cement Mortar Mixer 1	Line	45.8	
Const. OS S WM Concrete Saw 1	Line	51.9	
Const. OS S WM Paver 1	Line	42.8	
Const. OS S WM Paving Equipment 1	Line	42.8	
Const. OS S WM Roller 1	Line	41.9	
Const. OS S WM Tractor Loader Backhoe 1	Line	48.9	
Receiver R12 Leq,d 62.1 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	51.9	
Const. OS N WM Concrete Saw 1	Line	58.0	
Const. OS N WM Paver 1	Line	50.4	
Const. OS N WM Paving Equipment 1	Line	50.4	
Const. OS N WM Roller 1	Line	49.5	
Const. OS N WM Tractor Loader Backhoe 1	Line	56.5	
Const. OS S WM Cement Mortar Mixer 1	Line	39.4	
Const. OS S WM Concrete Saw 1	Line	45.5	
Const. OS S WM Paver 1	Line	36.5	
Const. OS S WM Paving Equipment 1	Line	36.5	
Const. OS S WM Roller 1	Line	35.6	
Const. OS S WM Tractor Loader Backhoe 1	Line	42.6	
Receiver R13 Leq,d 60.0 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	43.1	
Const. OS N WM Concrete Saw 1	Line	49.2	
Const. OS N WM Paver 1	Line	40.5	
Const. OS N WM Paving Equipment 1	Line	40.5	
Const. OS N WM Roller 1	Line	39.6	
Const. OS N WM Tractor Loader Backhoe 1	Line	46.6	
Const. OS S WM Cement Mortar Mixer 1	Line	49.7	
Const. OS S WM Concrete Saw 1	Line	55.8	
Const. OS S WM Paver 1	Line	47.0	
Const. OS S WM Paving Equipment 1	Line	47.0	
Const. OS S WM Roller 1	Line	46.1	
Const. OS S WM Tractor Loader Backhoe 1	Line	53.1	
Receiver R14 Leq,d 41.0 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	29.7	
Const. OS N WM Concrete Saw 1	Line	35.8	

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Buena Vista
Calculated Noise Levels - 03c Off-Site Paving

Source	Source type	Leq,d dB(A)	
Const. OS N WM Paver 1	Line	27.8	
Const. OS N WM Paving Equipment 1	Line	27.8	
Const. OS N WM Roller 1	Line	26.9	
Const. OS N WM Tractor Loader Backhoe 1	Line	33.9	
Const. OS S WM Cement Mortar Mixer 1	Line	26.1	
Const. OS S WM Concrete Saw 1	Line	32.2	
Const. OS S WM Paver 1	Line	23.6	
Const. OS S WM Paving Equipment 1	Line	23.6	
Const. OS S WM Roller 1	Line	22.7	
Const. OS S WM Tractor Loader Backhoe 1	Line	29.7	
Receiver R15 (Trail) Leq,d 60.1 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	50.1	
Const. OS N WM Concrete Saw 1	Line	56.1	
Const. OS N WM Paver 1	Line	47.2	
Const. OS N WM Paving Equipment 1	Line	47.2	
Const. OS N WM Roller 1	Line	46.3	
Const. OS N WM Tractor Loader Backhoe 1	Line	53.3	
Const. OS S WM Cement Mortar Mixer 1	Line	42.3	
Const. OS S WM Concrete Saw 1	Line	48.5	
Const. OS S WM Paver 1	Line	39.4	
Const. OS S WM Paving Equipment 1	Line	39.4	
Const. OS S WM Roller 1	Line	38.5	
Const. OS S WM Tractor Loader Backhoe 1	Line	45.5	
Receiver R16 (Trail) Leq,d 61.6 dB(A)			
Const. OS N WM Cement Mortar Mixer 1	Line	51.9	
Const. OS N WM Concrete Saw 1	Line	58.0	
Const. OS N WM Paver 1	Line	49.6	
Const. OS N WM Paving Equipment 1	Line	49.6	
Const. OS N WM Roller 1	Line	48.7	
Const. OS N WM Tractor Loader Backhoe 1	Line	55.7	
Const. OS S WM Cement Mortar Mixer 1	Line	35.5	
Const. OS S WM Concrete Saw 1	Line	41.6	
Const. OS S WM Paver 1	Line	32.5	
Const. OS S WM Paving Equipment 1	Line	32.5	
Const. OS S WM Roller 1	Line	31.6	
Const. OS S WM Tractor Loader Backhoe 1	Line	38.6	

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Buena Vista
Source Levels in dB(A) - 03d Off-Site 3ft Dedication

Name	Source type	Lw dB(A)	
Off-Site SD Cement Mortar Mixer 1	Line	108.6	
Off-Site SD Concrete Saw 1	Line	114.7	
Off-Site SD Paver 1	Line	105.6	
Off-Site SD Paving Equipment 1	Line	105.6	
Off-Site SD Roller 1	Line	104.7	
Off-Site SD Tractor Loader Backhoe 1	Line	111.7	

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Buena Vista
Calculated Noise Levels - 03d Off-Site 3ft Dedication

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 51.6 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	42.3	
Off-Site SD Concrete Saw 1	Line	48.4	
Off-Site SD Paver 1	Line	39.4	
Off-Site SD Paving Equipment 1	Line	39.4	
Off-Site SD Roller 1	Line	38.5	
Off-Site SD Tractor Loader Backhoe 1	Line	45.5	
Receiver R2 Leq,d 44.8 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	35.4	
Off-Site SD Concrete Saw 1	Line	41.5	
Off-Site SD Paver 1	Line	32.7	
Off-Site SD Paving Equipment 1	Line	32.7	
Off-Site SD Roller 1	Line	31.8	
Off-Site SD Tractor Loader Backhoe 1	Line	38.8	
Receiver R3 Leq,d 56.9 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	47.4	
Off-Site SD Concrete Saw 1	Line	53.5	
Off-Site SD Paver 1	Line	44.8	
Off-Site SD Paving Equipment 1	Line	44.8	
Off-Site SD Roller 1	Line	43.9	
Off-Site SD Tractor Loader Backhoe 1	Line	50.9	
Receiver R4 Leq,d 61.3 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	51.8	
Off-Site SD Concrete Saw 1	Line	57.9	
Off-Site SD Paver 1	Line	49.1	
Off-Site SD Paving Equipment 1	Line	49.1	
Off-Site SD Roller 1	Line	48.2	
Off-Site SD Tractor Loader Backhoe 1	Line	55.2	
Receiver R5 Leq,d 57.4 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	47.9	
Off-Site SD Concrete Saw 1	Line	54.0	
Off-Site SD Paver 1	Line	45.4	
Off-Site SD Paving Equipment 1	Line	45.4	
Off-Site SD Roller 1	Line	44.5	
Off-Site SD Tractor Loader Backhoe 1	Line	51.5	
Receiver R6 Leq,d 66.6 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	56.9	
Off-Site SD Concrete Saw 1	Line	63.0	
Off-Site SD Paver 1	Line	54.8	
Off-Site SD Paving Equipment 1	Line	54.8	
Off-Site SD Roller 1	Line	53.9	
Off-Site SD Tractor Loader Backhoe 1	Line	60.9	

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Buena Vista
Calculated Noise Levels - 03d Off-Site 3ft Dedication

Source	Source type	Leq,d dB(A)	
Receiver R7 Leq,d 63.7 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	54.1	
Off-Site SD Concrete Saw 1	Line	60.2	
Off-Site SD Paver 1	Line	51.9	
Off-Site SD Paving Equipment 1	Line	51.9	
Off-Site SD Roller 1	Line	51.0	
Off-Site SD Tractor Loader Backhoe 1	Line	58.0	
Receiver R8 Leq,d 69.9 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	60.3	
Off-Site SD Concrete Saw 1	Line	66.4	
Off-Site SD Paver 1	Line	58.0	
Off-Site SD Paving Equipment 1	Line	58.0	
Off-Site SD Roller 1	Line	57.1	
Off-Site SD Tractor Loader Backhoe 1	Line	64.1	
Receiver R9 Leq,d 54.5 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	45.1	
Off-Site SD Concrete Saw 1	Line	51.2	
Off-Site SD Paver 1	Line	42.5	
Off-Site SD Paving Equipment 1	Line	42.5	
Off-Site SD Roller 1	Line	41.6	
Off-Site SD Tractor Loader Backhoe 1	Line	48.6	
Receiver R10 Leq,d 68.3 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	58.7	
Off-Site SD Concrete Saw 1	Line	64.8	
Off-Site SD Paver 1	Line	56.4	
Off-Site SD Paving Equipment 1	Line	56.4	
Off-Site SD Roller 1	Line	55.5	
Off-Site SD Tractor Loader Backhoe 1	Line	62.5	
Receiver R11 Leq,d 50.2 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	40.9	
Off-Site SD Concrete Saw 1	Line	47.0	
Off-Site SD Paver 1	Line	37.9	
Off-Site SD Paving Equipment 1	Line	37.9	
Off-Site SD Roller 1	Line	37.0	
Off-Site SD Tractor Loader Backhoe 1	Line	44.0	
Receiver R12 Leq,d 58.8 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	49.1	
Off-Site SD Concrete Saw 1	Line	55.2	
Off-Site SD Paver 1	Line	47.1	
Off-Site SD Paving Equipment 1	Line	47.1	
Off-Site SD Roller 1	Line	46.2	
Off-Site SD Tractor Loader Backhoe 1	Line	53.2	

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Buena Vista
Calculated Noise Levels - 03d Off-Site 3ft Dedication

Source	Source type	Leq,d dB(A)	
Receiver R13 Leq,d 66.4 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	56.9	
Off-Site SD Concrete Saw 1	Line	63.0	
Off-Site SD Paver 1	Line	54.3	
Off-Site SD Paving Equipment 1	Line	54.3	
Off-Site SD Roller 1	Line	53.4	
Off-Site SD Tractor Loader Backhoe 1	Line	60.4	
Receiver R14 Leq,d 38.4 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	29.0	
Off-Site SD Concrete Saw 1	Line	35.1	
Off-Site SD Paver 1	Line	26.3	
Off-Site SD Paving Equipment 1	Line	26.3	
Off-Site SD Roller 1	Line	25.4	
Off-Site SD Tractor Loader Backhoe 1	Line	32.4	
Receiver R15 (Trail) Leq,d 57.8 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	48.5	
Off-Site SD Concrete Saw 1	Line	54.5	
Off-Site SD Paver 1	Line	45.6	
Off-Site SD Paving Equipment 1	Line	45.6	
Off-Site SD Roller 1	Line	44.7	
Off-Site SD Tractor Loader Backhoe 1	Line	51.7	
Receiver R16 (Trail) Leq,d 60.5 dB(A)			
Off-Site SD Cement Mortar Mixer 1	Line	51.1	
Off-Site SD Concrete Saw 1	Line	57.2	
Off-Site SD Paver 1	Line	48.2	
Off-Site SD Paving Equipment 1	Line	48.2	
Off-Site SD Roller 1	Line	47.3	
Off-Site SD Tractor Loader Backhoe 1	Line	54.3	

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Buena Vista
Source Levels in dB(A) - 03e Off-Site ADA Ramp

Name	Source type	Lw dB(A)	
Off-Site ADA Excavator 1	Area	108.7	
Off-Site ADA Excavator 1	Area	108.7	
Off-Site ADA Excavator 1	Area	108.7	
Off-Site ADA Excavator 1	Area	108.7	
Off-Site ADA Loader 1	Area	106.7	
Off-Site ADA Loader 1	Area	106.7	
Off-Site ADA Loader 1	Area	106.7	
Off-Site ADA Loader 1	Area	106.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	111.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	111.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	111.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	111.7	
Off-Site ADA Water Truck 1	Area	103.7	
Off-Site ADA Water Truck 1	Area	103.7	
Off-Site ADA Water Truck 1	Area	103.7	
Off-Site ADA Water Truck 1	Area	103.7	

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Buena Vista Calculated Noise Levels - 03e Off-Site ADA Ramp

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 55.1 dB(A)			
Off-Site ADA Excavator 1	Area	47.4	
Off-Site ADA Excavator 1	Area	42.9	
Off-Site ADA Excavator 1	Area	38.2	
Off-Site ADA Excavator 1	Area	29.1	
Off-Site ADA Loader 1	Area	45.4	
Off-Site ADA Loader 1	Area	40.9	
Off-Site ADA Loader 1	Area	36.2	
Off-Site ADA Loader 1	Area	27.1	
Off-Site ADA Tractor Loader Backhoe 1	Area	50.4	
Off-Site ADA Tractor Loader Backhoe 1	Area	45.9	
Off-Site ADA Tractor Loader Backhoe 1	Area	41.2	
Off-Site ADA Tractor Loader Backhoe 1	Area	32.1	
Off-Site ADA Water Truck 1	Area	42.4	
Off-Site ADA Water Truck 1	Area	37.9	
Off-Site ADA Water Truck 1	Area	33.2	
Off-Site ADA Water Truck 1	Area	24.1	
Receiver R2 Leq,d 49.0 dB(A)			
Off-Site ADA Excavator 1	Area	39.4	
Off-Site ADA Excavator 1	Area	37.1	
Off-Site ADA Excavator 1	Area	35.6	
Off-Site ADA Excavator 1	Area	34.1	
Off-Site ADA Loader 1	Area	37.4	
Off-Site ADA Loader 1	Area	35.1	
Off-Site ADA Loader 1	Area	33.6	
Off-Site ADA Loader 1	Area	32.1	
Off-Site ADA Tractor Loader Backhoe 1	Area	42.4	
Off-Site ADA Tractor Loader Backhoe 1	Area	40.1	
Off-Site ADA Tractor Loader Backhoe 1	Area	38.6	
Off-Site ADA Tractor Loader Backhoe 1	Area	37.1	
Off-Site ADA Water Truck 1	Area	34.4	
Off-Site ADA Water Truck 1	Area	32.1	
Off-Site ADA Water Truck 1	Area	30.6	
Off-Site ADA Water Truck 1	Area	29.1	
Receiver R3 Leq,d 63.9 dB(A)			
Off-Site ADA Excavator 1	Area	57.7	
Off-Site ADA Excavator 1	Area	44.3	
Off-Site ADA Excavator 1	Area	36.8	
Off-Site ADA Excavator 1	Area	33.7	
Off-Site ADA Loader 1	Area	55.7	
Off-Site ADA Loader 1	Area	42.3	
Off-Site ADA Loader 1	Area	34.8	
Off-Site ADA Loader 1	Area	31.7	

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Buena Vista
Calculated Noise Levels - 03e Off-Site ADA Ramp

Source	Source type	Leq,d dB(A)	
Off-Site ADA Tractor Loader Backhoe 1	Area	60.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	47.3	
Off-Site ADA Tractor Loader Backhoe 1	Area	39.8	
Off-Site ADA Tractor Loader Backhoe 1	Area	36.7	
Off-Site ADA Water Truck 1	Area	52.7	
Off-Site ADA Water Truck 1	Area	39.3	
Off-Site ADA Water Truck 1	Area	31.8	
Off-Site ADA Water Truck 1	Area	28.7	
Receiver R4 Leq,d 65.0 dB(A)			
Off-Site ADA Excavator 1	Area	58.7	
Off-Site ADA Excavator 1	Area	47.8	
Off-Site ADA Excavator 1	Area	39.2	
Off-Site ADA Excavator 1	Area	35.1	
Off-Site ADA Loader 1	Area	56.7	
Off-Site ADA Loader 1	Area	45.8	
Off-Site ADA Loader 1	Area	37.2	
Off-Site ADA Loader 1	Area	33.1	
Off-Site ADA Tractor Loader Backhoe 1	Area	61.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	50.8	
Off-Site ADA Tractor Loader Backhoe 1	Area	42.2	
Off-Site ADA Tractor Loader Backhoe 1	Area	38.1	
Off-Site ADA Water Truck 1	Area	53.7	
Off-Site ADA Water Truck 1	Area	42.8	
Off-Site ADA Water Truck 1	Area	34.2	
Off-Site ADA Water Truck 1	Area	30.1	
Receiver R5 Leq,d 69.4 dB(A)			
Off-Site ADA Excavator 1	Area	63.4	
Off-Site ADA Excavator 1	Area	28.3	
Off-Site ADA Excavator 1	Area	22.5	
Off-Site ADA Excavator 1	Area	21.9	
Off-Site ADA Loader 1	Area	61.4	
Off-Site ADA Loader 1	Area	26.3	
Off-Site ADA Loader 1	Area	20.5	
Off-Site ADA Loader 1	Area	19.9	
Off-Site ADA Tractor Loader Backhoe 1	Area	66.4	
Off-Site ADA Tractor Loader Backhoe 1	Area	31.3	
Off-Site ADA Tractor Loader Backhoe 1	Area	25.5	
Off-Site ADA Tractor Loader Backhoe 1	Area	24.9	
Off-Site ADA Water Truck 1	Area	58.4	
Off-Site ADA Water Truck 1	Area	23.3	
Off-Site ADA Water Truck 1	Area	17.5	
Off-Site ADA Water Truck 1	Area	16.9	
Receiver R6 Leq,d 68.1 dB(A)			

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Buena Vista
Calculated Noise Levels - 03e Off-Site ADA Ramp

Source	Source type	Leq,d dB(A)	
Off-Site ADA Excavator 1	Area	61.8	
Off-Site ADA Excavator 1	Area	50.4	
Off-Site ADA Excavator 1	Area	39.5	
Off-Site ADA Excavator 1	Area	37.7	
Off-Site ADA Loader 1	Area	59.8	
Off-Site ADA Loader 1	Area	48.4	
Off-Site ADA Loader 1	Area	37.5	
Off-Site ADA Loader 1	Area	35.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	64.8	
Off-Site ADA Tractor Loader Backhoe 1	Area	53.4	
Off-Site ADA Tractor Loader Backhoe 1	Area	42.5	
Off-Site ADA Tractor Loader Backhoe 1	Area	40.7	
Off-Site ADA Water Truck 1	Area	56.8	
Off-Site ADA Water Truck 1	Area	45.4	
Off-Site ADA Water Truck 1	Area	34.5	
Off-Site ADA Water Truck 1	Area	32.7	
Receiver R7 Leq,d 75.4 dB(A)			
Off-Site ADA Excavator 1	Area	46.9	
Off-Site ADA Excavator 1	Area	69.4	
Off-Site ADA Excavator 1	Area	28.7	
Off-Site ADA Excavator 1	Area	25.7	
Off-Site ADA Loader 1	Area	44.9	
Off-Site ADA Loader 1	Area	67.4	
Off-Site ADA Loader 1	Area	26.7	
Off-Site ADA Loader 1	Area	23.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	49.9	
Off-Site ADA Tractor Loader Backhoe 1	Area	72.4	
Off-Site ADA Tractor Loader Backhoe 1	Area	31.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	28.7	
Off-Site ADA Water Truck 1	Area	41.9	
Off-Site ADA Water Truck 1	Area	64.4	
Off-Site ADA Water Truck 1	Area	23.7	
Off-Site ADA Water Truck 1	Area	20.7	
Receiver R8 Leq,d 60.1 dB(A)			
Off-Site ADA Excavator 1	Area	43.7	
Off-Site ADA Excavator 1	Area	50.3	
Off-Site ADA Excavator 1	Area	50.7	
Off-Site ADA Excavator 1	Area	41.9	
Off-Site ADA Loader 1	Area	41.7	
Off-Site ADA Loader 1	Area	48.3	
Off-Site ADA Loader 1	Area	48.7	
Off-Site ADA Loader 1	Area	40.0	
Off-Site ADA Tractor Loader Backhoe 1	Area	46.7	

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Buena Vista
Calculated Noise Levels - 03e Off-Site ADA Ramp

Source	Source type	Leq,d dB(A)	
Off-Site ADA Tractor Loader Backhoe 1	Area	53.3	
Off-Site ADA Tractor Loader Backhoe 1	Area	53.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	45.0	
Off-Site ADA Water Truck 1	Area	38.7	
Off-Site ADA Water Truck 1	Area	45.3	
Off-Site ADA Water Truck 1	Area	45.7	
Off-Site ADA Water Truck 1	Area	37.0	
Receiver R9 Leq,d 66.5 dB(A)			
Off-Site ADA Excavator 1	Area	34.6	
Off-Site ADA Excavator 1	Area	33.4	
Off-Site ADA Excavator 1	Area	60.5	
Off-Site ADA Excavator 1	Area	32.4	
Off-Site ADA Loader 1	Area	32.6	
Off-Site ADA Loader 1	Area	31.4	
Off-Site ADA Loader 1	Area	58.5	
Off-Site ADA Loader 1	Area	30.4	
Off-Site ADA Tractor Loader Backhoe 1	Area	37.6	
Off-Site ADA Tractor Loader Backhoe 1	Area	36.4	
Off-Site ADA Tractor Loader Backhoe 1	Area	63.5	
Off-Site ADA Tractor Loader Backhoe 1	Area	35.4	
Off-Site ADA Water Truck 1	Area	29.6	
Off-Site ADA Water Truck 1	Area	28.4	
Off-Site ADA Water Truck 1	Area	55.5	
Off-Site ADA Water Truck 1	Area	27.4	
Receiver R10 Leq,d 66.6 dB(A)			
Off-Site ADA Excavator 1	Area	39.1	
Off-Site ADA Excavator 1	Area	41.8	
Off-Site ADA Excavator 1	Area	60.2	
Off-Site ADA Excavator 1	Area	50.1	
Off-Site ADA Loader 1	Area	37.1	
Off-Site ADA Loader 1	Area	39.8	
Off-Site ADA Loader 1	Area	58.2	
Off-Site ADA Loader 1	Area	48.1	
Off-Site ADA Tractor Loader Backhoe 1	Area	42.1	
Off-Site ADA Tractor Loader Backhoe 1	Area	44.8	
Off-Site ADA Tractor Loader Backhoe 1	Area	63.2	
Off-Site ADA Tractor Loader Backhoe 1	Area	53.1	
Off-Site ADA Water Truck 1	Area	34.1	
Off-Site ADA Water Truck 1	Area	36.8	
Off-Site ADA Water Truck 1	Area	55.2	
Off-Site ADA Water Truck 1	Area	45.1	
Receiver R11 Leq,d 54.1 dB(A)			
Off-Site ADA Excavator 1	Area	46.5	

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Buena Vista Calculated Noise Levels - 03e Off-Site ADA Ramp

Source	Source type	Leq,d dB(A)	
Off-Site ADA Excavator 1	Area	41.5	
Off-Site ADA Excavator 1	Area	36.7	
Off-Site ADA Excavator 1	Area	33.1	
Off-Site ADA Loader 1	Area	44.5	
Off-Site ADA Loader 1	Area	39.5	
Off-Site ADA Loader 1	Area	34.7	
Off-Site ADA Loader 1	Area	31.1	
Off-Site ADA Tractor Loader Backhoe 1	Area	49.5	
Off-Site ADA Tractor Loader Backhoe 1	Area	44.5	
Off-Site ADA Tractor Loader Backhoe 1	Area	39.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	36.1	
Off-Site ADA Water Truck 1	Area	41.5	
Off-Site ADA Water Truck 1	Area	36.5	
Off-Site ADA Water Truck 1	Area	31.7	
Off-Site ADA Water Truck 1	Area	28.1	
Receiver R12 Leq,d 59.2 dB(A)			
Off-Site ADA Excavator 1	Area	39.9	
Off-Site ADA Excavator 1	Area	44.0	
Off-Site ADA Excavator 1	Area	50.5	
Off-Site ADA Excavator 1	Area	48.1	
Off-Site ADA Loader 1	Area	37.9	
Off-Site ADA Loader 1	Area	42.0	
Off-Site ADA Loader 1	Area	48.5	
Off-Site ADA Loader 1	Area	46.1	
Off-Site ADA Tractor Loader Backhoe 1	Area	42.9	
Off-Site ADA Tractor Loader Backhoe 1	Area	47.0	
Off-Site ADA Tractor Loader Backhoe 1	Area	53.5	
Off-Site ADA Tractor Loader Backhoe 1	Area	51.1	
Off-Site ADA Water Truck 1	Area	34.9	
Off-Site ADA Water Truck 1	Area	39.0	
Off-Site ADA Water Truck 1	Area	45.5	
Off-Site ADA Water Truck 1	Area	43.1	
Receiver R13 Leq,d 69.7 dB(A)			
Off-Site ADA Excavator 1	Area	49.1	
Off-Site ADA Excavator 1	Area	63.5	
Off-Site ADA Excavator 1	Area	44.1	
Off-Site ADA Excavator 1	Area	38.6	
Off-Site ADA Loader 1	Area	47.1	
Off-Site ADA Loader 1	Area	61.5	
Off-Site ADA Loader 1	Area	42.1	
Off-Site ADA Loader 1	Area	36.6	
Off-Site ADA Tractor Loader Backhoe 1	Area	52.1	
Off-Site ADA Tractor Loader Backhoe 1	Area	66.5	

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Buena Vista
Calculated Noise Levels - 03e Off-Site ADA Ramp

Source	Source type	Leq,d dB(A)	
Off-Site ADA Tractor Loader Backhoe 1	Area	47.1	
Off-Site ADA Tractor Loader Backhoe 1	Area	41.6	
Off-Site ADA Water Truck 1	Area	44.1	
Off-Site ADA Water Truck 1	Area	58.5	
Off-Site ADA Water Truck 1	Area	39.1	
Off-Site ADA Water Truck 1	Area	33.6	
Receiver R14 Leq,d 41.8 dB(A)			
Off-Site ADA Excavator 1	Area	27.0	
Off-Site ADA Excavator 1	Area	30.4	
Off-Site ADA Excavator 1	Area	31.1	
Off-Site ADA Excavator 1	Area	29.9	
Off-Site ADA Loader 1	Area	25.0	
Off-Site ADA Loader 1	Area	28.4	
Off-Site ADA Loader 1	Area	29.1	
Off-Site ADA Loader 1	Area	27.9	
Off-Site ADA Tractor Loader Backhoe 1	Area	30.0	
Off-Site ADA Tractor Loader Backhoe 1	Area	33.4	
Off-Site ADA Tractor Loader Backhoe 1	Area	34.1	
Off-Site ADA Tractor Loader Backhoe 1	Area	32.9	
Off-Site ADA Water Truck 1	Area	22.0	
Off-Site ADA Water Truck 1	Area	25.4	
Off-Site ADA Water Truck 1	Area	26.1	
Off-Site ADA Water Truck 1	Area	24.9	
Receiver R15 (Trail) Leq,d 58.1 dB(A)			
Off-Site ADA Excavator 1	Area	42.3	
Off-Site ADA Excavator 1	Area	44.7	
Off-Site ADA Excavator 1	Area	49.9	
Off-Site ADA Excavator 1	Area	42.9	
Off-Site ADA Loader 1	Area	40.3	
Off-Site ADA Loader 1	Area	42.7	
Off-Site ADA Loader 1	Area	47.9	
Off-Site ADA Loader 1	Area	40.9	
Off-Site ADA Tractor Loader Backhoe 1	Area	45.3	
Off-Site ADA Tractor Loader Backhoe 1	Area	47.7	
Off-Site ADA Tractor Loader Backhoe 1	Area	52.9	
Off-Site ADA Tractor Loader Backhoe 1	Area	45.9	
Off-Site ADA Water Truck 1	Area	37.3	
Off-Site ADA Water Truck 1	Area	39.7	
Off-Site ADA Water Truck 1	Area	44.9	
Off-Site ADA Water Truck 1	Area	37.9	
Receiver R16 (Trail) Leq,d 74.3 dB(A)			
Off-Site ADA Excavator 1	Area	36.4	
Off-Site ADA Excavator 1	Area	38.2	

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Buena Vista
Calculated Noise Levels - 03e Off-Site ADA Ramp

Source	Source type	Leq,d dB(A)
Off-Site ADA Excavator 1	Area	44.0
Off-Site ADA Excavator 1	Area	68.3
Off-Site ADA Loader 1	Area	34.4
Off-Site ADA Loader 1	Area	36.2
Off-Site ADA Loader 1	Area	42.0
Off-Site ADA Loader 1	Area	66.3
Off-Site ADA Tractor Loader Backhoe 1	Area	39.4
Off-Site ADA Tractor Loader Backhoe 1	Area	41.2
Off-Site ADA Tractor Loader Backhoe 1	Area	47.0
Off-Site ADA Tractor Loader Backhoe 1	Area	71.3
Off-Site ADA Water Truck 1	Area	31.4
Off-Site ADA Water Truck 1	Area	33.2
Off-Site ADA Water Truck 1	Area	39.0
Off-Site ADA Water Truck 1	Area	63.3

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Buena Vista
Source Levels in dB(A) - 03f Off-Site Street Light

Name	Source type	Lw dB(A)	
Off-Site TL Excavator 1	Area	108.7	
Off-Site TL Excavator 1	Area	108.7	
Off-Site TL Excavator 1	Area	108.7	
Off-Site TL Loader 1	Area	106.7	
Off-Site TL Loader 1	Area	106.7	
Off-Site TL Loader 1	Area	106.7	
Off-Site TL Tractor Loader Backhoe 1	Area	111.7	
Off-Site TL Tractor Loader Backhoe 1	Area	111.7	
Off-Site TL Tractor Loader Backhoe 1	Area	111.7	
Off-Site TL Water Truck 1	Area	103.7	
Off-Site TL Water Truck 1	Area	103.7	
Off-Site TL Water Truck 1	Area	103.7	

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Buena Vista
Calculated Noise Levels - 03f Off-Site Street Light

Source	Source type	Leq,d dB(A)	
Receiver R1 Leq,d 54.1 dB(A)			
Off-Site TL Loader 1	Area	45.7	
Off-Site TL Loader 1	Area	35.0	
Off-Site TL Loader 1	Area	26.9	
Off-Site TL Excavator 1	Area	47.7	
Off-Site TL Excavator 1	Area	37.0	
Off-Site TL Excavator 1	Area	28.9	
Off-Site TL Tractor Loader Backhoe 1	Area	50.7	
Off-Site TL Tractor Loader Backhoe 1	Area	40.0	
Off-Site TL Tractor Loader Backhoe 1	Area	31.9	
Off-Site TL Water Truck 1	Area	42.7	
Off-Site TL Water Truck 1	Area	32.0	
Off-Site TL Water Truck 1	Area	23.9	
Receiver R2 Leq,d 46.8 dB(A)			
Off-Site TL Loader 1	Area	35.7	
Off-Site TL Loader 1	Area	33.7	
Off-Site TL Loader 1	Area	32.0	
Off-Site TL Excavator 1	Area	37.7	
Off-Site TL Excavator 1	Area	35.7	
Off-Site TL Excavator 1	Area	34.0	
Off-Site TL Tractor Loader Backhoe 1	Area	40.7	
Off-Site TL Tractor Loader Backhoe 1	Area	38.7	
Off-Site TL Tractor Loader Backhoe 1	Area	37.0	
Off-Site TL Water Truck 1	Area	32.7	
Off-Site TL Water Truck 1	Area	30.7	
Off-Site TL Water Truck 1	Area	29.0	
Receiver R3 Leq,d 63.5 dB(A)			
Off-Site TL Loader 1	Area	55.5	
Off-Site TL Loader 1	Area	35.0	
Off-Site TL Loader 1	Area	31.6	
Off-Site TL Excavator 1	Area	57.5	
Off-Site TL Excavator 1	Area	37.0	
Off-Site TL Excavator 1	Area	33.6	
Off-Site TL Tractor Loader Backhoe 1	Area	60.5	
Off-Site TL Tractor Loader Backhoe 1	Area	40.0	
Off-Site TL Tractor Loader Backhoe 1	Area	36.6	
Off-Site TL Water Truck 1	Area	52.5	
Off-Site TL Water Truck 1	Area	32.0	
Off-Site TL Water Truck 1	Area	28.6	
Receiver R4 Leq,d 66.6 dB(A)			
Off-Site TL Loader 1	Area	58.6	
Off-Site TL Loader 1	Area	36.8	
Off-Site TL Loader 1	Area	33.0	

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Buena Vista Calculated Noise Levels - 03f Off-Site Street Light

Source	Source type	Leq,d dB(A)	
Off-Site TL Excavator 1	Area	60.6	
Off-Site TL Excavator 1	Area	38.8	
Off-Site TL Excavator 1	Area	35.0	
Off-Site TL Tractor Loader Backhoe 1	Area	63.6	
Off-Site TL Tractor Loader Backhoe 1	Area	41.8	
Off-Site TL Tractor Loader Backhoe 1	Area	38.0	
Off-Site TL Water Truck 1	Area	55.6	
Off-Site TL Water Truck 1	Area	33.8	
Off-Site TL Water Truck 1	Area	30.0	
Receiver R5 Leq,d 66.9 dB(A)			
Off-Site TL Loader 1	Area	58.9	
Off-Site TL Loader 1	Area	21.6	
Off-Site TL Loader 1	Area	19.9	
Off-Site TL Excavator 1	Area	60.9	
Off-Site TL Excavator 1	Area	23.6	
Off-Site TL Excavator 1	Area	21.9	
Off-Site TL Tractor Loader Backhoe 1	Area	63.9	
Off-Site TL Tractor Loader Backhoe 1	Area	26.6	
Off-Site TL Tractor Loader Backhoe 1	Area	24.9	
Off-Site TL Water Truck 1	Area	55.9	
Off-Site TL Water Truck 1	Area	18.6	
Off-Site TL Water Truck 1	Area	16.9	
Receiver R6 Leq,d 67.9 dB(A)			
Off-Site TL Loader 1	Area	59.9	
Off-Site TL Loader 1	Area	37.7	
Off-Site TL Loader 1	Area	35.8	
Off-Site TL Excavator 1	Area	61.9	
Off-Site TL Excavator 1	Area	39.7	
Off-Site TL Excavator 1	Area	37.8	
Off-Site TL Tractor Loader Backhoe 1	Area	64.9	
Off-Site TL Tractor Loader Backhoe 1	Area	42.7	
Off-Site TL Tractor Loader Backhoe 1	Area	40.8	
Off-Site TL Water Truck 1	Area	56.9	
Off-Site TL Water Truck 1	Area	34.7	
Off-Site TL Water Truck 1	Area	32.8	
Receiver R7 Leq,d 53.5 dB(A)			
Off-Site TL Loader 1	Area	45.5	
Off-Site TL Loader 1	Area	27.7	
Off-Site TL Loader 1	Area	23.5	
Off-Site TL Excavator 1	Area	47.5	
Off-Site TL Excavator 1	Area	29.7	
Off-Site TL Excavator 1	Area	25.5	
Off-Site TL Tractor Loader Backhoe 1	Area	50.5	

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Buena Vista
Calculated Noise Levels - 03f Off-Site Street Light

Source	Source type	Leq,d dB(A)	
Off-Site TL Tractor Loader Backhoe 1	Area	32.7	
Off-Site TL Tractor Loader Backhoe 1	Area	28.5	
Off-Site TL Water Truck 1	Area	42.5	
Off-Site TL Water Truck 1	Area	24.7	
Off-Site TL Water Truck 1	Area	20.5	
Receiver R8 Leq,d 58.6 dB(A)			
Off-Site TL Loader 1	Area	41.5	
Off-Site TL Loader 1	Area	49.7	
Off-Site TL Loader 1	Area	39.7	
Off-Site TL Excavator 1	Area	43.5	
Off-Site TL Excavator 1	Area	51.7	
Off-Site TL Excavator 1	Area	41.7	
Off-Site TL Tractor Loader Backhoe 1	Area	46.5	
Off-Site TL Tractor Loader Backhoe 1	Area	54.7	
Off-Site TL Tractor Loader Backhoe 1	Area	44.7	
Off-Site TL Water Truck 1	Area	38.5	
Off-Site TL Water Truck 1	Area	46.7	
Off-Site TL Water Truck 1	Area	36.7	
Receiver R9 Leq,d 63.2 dB(A)			
Off-Site TL Loader 1	Area	32.2	
Off-Site TL Loader 1	Area	55.2	
Off-Site TL Loader 1	Area	29.9	
Off-Site TL Excavator 1	Area	34.2	
Off-Site TL Excavator 1	Area	57.2	
Off-Site TL Excavator 1	Area	31.9	
Off-Site TL Tractor Loader Backhoe 1	Area	37.2	
Off-Site TL Tractor Loader Backhoe 1	Area	60.2	
Off-Site TL Tractor Loader Backhoe 1	Area	34.9	
Off-Site TL Water Truck 1	Area	29.2	
Off-Site TL Water Truck 1	Area	52.2	
Off-Site TL Water Truck 1	Area	26.9	
Receiver R10 Leq,d 65.9 dB(A)			
Off-Site TL Loader 1	Area	36.5	
Off-Site TL Loader 1	Area	57.6	
Off-Site TL Loader 1	Area	47.4	
Off-Site TL Excavator 1	Area	38.5	
Off-Site TL Excavator 1	Area	59.6	
Off-Site TL Excavator 1	Area	49.4	
Off-Site TL Tractor Loader Backhoe 1	Area	41.5	
Off-Site TL Tractor Loader Backhoe 1	Area	62.6	
Off-Site TL Tractor Loader Backhoe 1	Area	52.4	
Off-Site TL Water Truck 1	Area	33.5	
Off-Site TL Water Truck 1	Area	54.6	

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Buena Vista Calculated Noise Levels - 03f Off-Site Street Light

Source	Source type	Leq,d dB(A)	
Off-Site TL Water Truck 1	Area	44.4	
Receiver R11 Leq,d 53.6 dB(A)			
Off-Site TL Loader 1	Area	45.2	
Off-Site TL Loader 1	Area	33.8	
Off-Site TL Loader 1	Area	31.0	
Off-Site TL Excavator 1	Area	47.2	
Off-Site TL Excavator 1	Area	35.8	
Off-Site TL Excavator 1	Area	33.0	
Off-Site TL Tractor Loader Backhoe 1	Area	50.2	
Off-Site TL Tractor Loader Backhoe 1	Area	38.8	
Off-Site TL Tractor Loader Backhoe 1	Area	36.0	
Off-Site TL Water Truck 1	Area	42.2	
Off-Site TL Water Truck 1	Area	30.8	
Off-Site TL Water Truck 1	Area	28.0	
Receiver R12 Leq,d 61.2 dB(A)			
Off-Site TL Loader 1	Area	37.2	
Off-Site TL Loader 1	Area	52.3	
Off-Site TL Loader 1	Area	45.5	
Off-Site TL Excavator 1	Area	39.2	
Off-Site TL Excavator 1	Area	54.3	
Off-Site TL Excavator 1	Area	47.5	
Off-Site TL Tractor Loader Backhoe 1	Area	42.2	
Off-Site TL Tractor Loader Backhoe 1	Area	57.3	
Off-Site TL Tractor Loader Backhoe 1	Area	50.5	
Off-Site TL Water Truck 1	Area	34.2	
Off-Site TL Water Truck 1	Area	49.3	
Off-Site TL Water Truck 1	Area	42.5	
Receiver R13 Leq,d 56.2 dB(A)			
Off-Site TL Loader 1	Area	46.7	
Off-Site TL Loader 1	Area	41.9	
Off-Site TL Loader 1	Area	36.5	
Off-Site TL Excavator 1	Area	48.7	
Off-Site TL Excavator 1	Area	43.9	
Off-Site TL Excavator 1	Area	38.5	
Off-Site TL Tractor Loader Backhoe 1	Area	51.7	
Off-Site TL Tractor Loader Backhoe 1	Area	46.9	
Off-Site TL Tractor Loader Backhoe 1	Area	41.5	
Off-Site TL Water Truck 1	Area	43.7	
Off-Site TL Water Truck 1	Area	38.9	
Off-Site TL Water Truck 1	Area	33.5	
Receiver R14 Leq,d 40.0 dB(A)			
Off-Site TL Loader 1	Area	22.5	
Off-Site TL Loader 1	Area	29.1	

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Buena Vista Calculated Noise Levels - 03f Off-Site Street Light

Source	Source type	Leq,d dB(A)	
Off-Site TL Loader 1	Area	27.8	
Off-Site TL Excavator 1	Area	24.5	
Off-Site TL Excavator 1	Area	31.1	
Off-Site TL Excavator 1	Area	29.8	
Off-Site TL Tractor Loader Backhoe 1	Area	27.5	
Off-Site TL Tractor Loader Backhoe 1	Area	34.1	
Off-Site TL Tractor Loader Backhoe 1	Area	32.8	
Off-Site TL Water Truck 1	Area	19.5	
Off-Site TL Water Truck 1	Area	26.1	
Off-Site TL Water Truck 1	Area	24.8	
Receiver R15 (Trail) Leq,d 58.3 dB(A)			
Off-Site TL Loader 1	Area	40.9	
Off-Site TL Loader 1	Area	49.3	
Off-Site TL Loader 1	Area	40.7	
Off-Site TL Excavator 1	Area	42.9	
Off-Site TL Excavator 1	Area	51.3	
Off-Site TL Excavator 1	Area	42.7	
Off-Site TL Tractor Loader Backhoe 1	Area	45.9	
Off-Site TL Tractor Loader Backhoe 1	Area	54.3	
Off-Site TL Tractor Loader Backhoe 1	Area	45.7	
Off-Site TL Water Truck 1	Area	37.9	
Off-Site TL Water Truck 1	Area	46.3	
Off-Site TL Water Truck 1	Area	37.7	
Receiver R16 (Trail) Leq,d 74.9 dB(A)			
Off-Site TL Loader 1	Area	33.6	
Off-Site TL Loader 1	Area	43.5	
Off-Site TL Loader 1	Area	67.0	
Off-Site TL Excavator 1	Area	35.6	
Off-Site TL Excavator 1	Area	45.5	
Off-Site TL Excavator 1	Area	69.0	
Off-Site TL Tractor Loader Backhoe 1	Area	38.6	
Off-Site TL Tractor Loader Backhoe 1	Area	48.5	
Off-Site TL Tractor Loader Backhoe 1	Area	72.0	
Off-Site TL Water Truck 1	Area	30.6	
Off-Site TL Water Truck 1	Area	40.5	
Off-Site TL Water Truck 1	Area	64.0	

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Project: Buena Vista

Off-Site Haul/Concrete/Delivery Trucks

Phase 1 South Parcel: Broadway and Spring

Phase 2 North Parcel: Broadway

Phase	Maximum Number of Truck One Way Trips (delivery/haul)		Estimated Project Noise Levels (From TNM Outputs), Leq(hr)	
	Per Day	Per Hour (8- hr day)	Broadway	Spring St.
TNM noise level for 1 trucks		1	49.4	48.5
Phase 1				
1. Site Prep	54	9	58.9	58.0
2. Demo	12	2	52.4	51.5
3. Grading	144	24	63.2	62.3
4. Trenching	6	1	49.4	48.5
5. Mat Foundation	426	54	66.7	65.8
6. Building Construction	130	17	61.7	60.8
7. Methane Safety Design	2	1	49.4	48.5
8. Architectural Coating	2	1	49.4	48.5
9. Paving/Landscape	8	1	49.4	48.5
Phase 2				
10. Site Prep	60	10	59.4	--
11. Grading	144	24	63.2	--
12. Well Re-abandonment	6	1	49.4	--
13. Trenching	6	1	49.4	--
14. Mat Foundation	479	60	67.2	--
15. Building Construction	84	11	59.8	--
16. Methane Safety Design	2	1	49.4	--
17. Architectural Coating	2	1	49.4	--
18. Paving/Landscape	4	1	49.4	--
Overlapping Construction				
19. P1 Grading + P1 Trenching	150	25	63.4	62.5
20. P1 Trenching + P1 Foundation	432	55	66.8	65.9
21. P1 Trenching + P1 Building	136	18	62.0	61.1
22. P1 Building + P1 Arch. Coating	132	18	62.0	61.1
23. P1 Building + P1 Arch. Coating + P1 Paving	140	19	62.2	61.3
24. P2 Grading + P2 Well Re-abandonment	150	25	63.4	--
25. P2 Trenching + P2 Foundation	485	61	67.3	--
26. P2 Trenching + P2 Building	90	12	60.2	--
27. P2 Building + P2 Arch. Coating	86	12	60.2	--
28. P2 Building + P2 Arch. Coating + P2 Paving	90	13	60.5	--
** 6-hours for haul trucks (grading)		Ambient, dBA	68.7	63.3
* 8-hours for concrete/delivery trucks		Significance Criteria, dBA	73.7	68.3

Estimated Noise Levels - Project +
Ambient, Leq(hr)

	Broadway	Spring St.
Phase 1		
1. Site Prep	69.1	64.4
2. Demo	68.8	63.6
3. Grading	69.8	65.8
4. Trenching	68.8	63.4
5. Mat Foundation	70.8	67.7
6. Building Construction	69.5	65.2
7. Methane Safety Design	68.8	63.4
8. Architectural Coating	68.8	63.4
9. Paving/Landscape	68.8	63.4
Phase 2		
10. Site Prep	69.2	--
11. Grading	69.8	--
12. Well Re-abandonment	68.8	--
13. Trenching	68.8	--
14. Mat Foundation	71.0	--
15. Building Construction	69.2	--
16. Methane Safety Design	68.8	--
17. Architectural Coating	68.8	--
18. Paving/Landscape	68.8	--
Overlapping Construction		
19. P1 Grading + P1 Trenching	69.8	65.9
20. P1 Trenching + P1 Foundation	70.9	67.8
21. P1 Trenching + P1 Building	69.5	65.3
22. P1 Building + P1 Arch. Coating	69.5	65.3
23. P1 Building + P1 Arch. Coating + P1 Paving	69.6	65.4
24. P2 Grading + P2 Well Re-abandonment	69.8	--
25. P2 Trenching + P2 Foundation	71.1	--
26. P2 Trenching + P2 Building	69.3	--
27. P2 Building + P2 Arch. Coating	69.3	--
28. P2 Building + P2 Arch. Coating + P2 Paving	69.3	--

	Estimated Noise Increase, Leq(hr)	
	Broadway	Spring St.
Phase 1		
1. Site Prep	0.4	1.1
2. Demo	0.1	0.3
3. Grading	1.1	2.5
4. Trenching	0.1	0.1
5. Mat Foundation	2.1	4.4
6. Building Construction	0.8	1.9
7. Methane Safety Design	0.1	0.1
8. Architectural Coating	0.1	0.1
9. Paving/Landscape	0.1	0.1
Phase 2		
10. Site Prep	0.5	--
11. Grading	1.1	--
12. Well Re-abandonment	0.1	--
13. Trenching	0.1	--
14. Mat Foundation	2.3	--
15. Building Construction	0.5	--
16. Methane Safety Design	0.1	--
17. Architectural Coating	0.1	--
18. Paving/Landscape	0.1	--
Overlapping Construction		
19. P1 Grading + P1 Trenching	1.1	2.6
20. P1 Trenching + P1 Foundation	2.2	4.5
21. P1 Trenching + P1 Building	0.8	2.0
22. P1 Building + P1 Arch. Coating	0.8	2.0
23. P1 Building + P1 Arch. Coating + P1 Paving	0.9	2.1
24. P2 Grading + P2 Well Re-abandonment	1.1	--
25. P2 Trenching + P2 Foundation	2.4	--
26. P2 Trenching + P2 Building	0.6	--
27. P2 Building + P2 Arch. Coating	0.6	--
28. P2 Building + P2 Arch. Coating + P2 Paving	0.6	--
Maximum Noise Increase	2.4	4.5

Nighttime Construction

Nighttime Ambient, dBA	61.6	57.6
Significance Criteria, dBA	66.6	62.6

			ted Noise Levels - Project + Ambient, l	
			Broadway	Spring St.
Phase 1 Mat Foundation	426	54	67.9	66.4
Phase 2 Mat Foundation	479	60	68.3	--

			Estimated Noise Increase, Leq(hr)	
			Broadway	Spring St.
Phase 1 Mat Foundation			6.3	8.8
Phase 2 Mat Foundation			6.7	--
	Maximum Noise Increase		6.7	8.8

INPUT: ROADWAYS

Buena Vista Project

Eyestone Environmental Sean Bui					31 July 2024 TNM 2.5						
INPUT: ROADWAYS					Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA						
PROJECT/CONTRACT:		Buena Vista Project									
RUN:		Construction - 1 truck trip									
Roadway		Points									
Name	Width	Name	No.	Coordinates (pavement)			Flow Control			Segment	
				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

Buena Vista Project

Eyestone Environmental														
Sean Bui														
INPUT: TRAFFIC FOR LAeq1h Volumes														
PROJECT/CONTRACT:	Buena Vista Project													
RUN:	Construction - 1 truck trip													
Roadway	Points													
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles			
			Autos		V	S	V	S	V	S	V	S	V	S
			V	S	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	veh/hr	mph
Haul Route	point1	1	0	0	0	0	1	35	0	0	0	0	0	0
	point2	2												

INPUT: RECEIVERS

Buena Vista Project

							31 July 2024					
Eyestone Environmental												
Sean Bui							TNM 2.5					
INPUT: RECEIVERS												
PROJECT/CONTRACT:		Buena Vista Project										
RUN:		Construction - 1 truck trip										
Receiver												
Name	No.	#DUs	Coordinates (ground)			Height	Input Sound Levels and Criteria				Active	
			X	Y	Z	above	Existing	Impact Criteria		NR	in	
						Ground	LAeq1h	LAeq1h	Sub'l	Goal	Calc.	
			ft	ft	ft	ft	dBA	dBA	dB	dB		
Along Broadway	8	1	250.0	45.0	0.00	4.92	0.00	66	10.0	8.0	Y	
Along Spring	20	1	250.0	55.0	0.00	4.92	0.00	66	10.0	8.0	Y	

RESULTS: SOUND LEVELS

Buena Vista Project

Eyestone Environmental Sean Bui		31 July 2024 TNM 2.5 Calculated with TNM 2.5											
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:		Buena Vista Project											
RUN:		Construction - 1 truck trip											
BARRIER DESIGN:		INPUT HEIGHTS Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.											
ATMOSPHERICS:		68 deg F, 50% RH											
Receiver													
Name	No.	#DUs	Existing	No Barrier	Increase over existing			Type	With Barrier	Noise Reduction			
			LAeq1h	LAeq1h	Calculated	Crit'n	Calculated	Crit'n	Impact	Calculated	Calculated	Goal	Calculated
				Calculated	Crit'n	Sub'l Inc				LAeq1h	Calculated	Goal	Calculated
			dB	dB	dB	dB	dB			dB	dB	dB	dB
Along Broadway	8	1	0.0	49.4	66	49.4	10	----		49.4	0.0	8	-8.0
Along Spring	20	1	0.0	48.5	66	48.5	10	----		48.5	0.0	8	-8.0
Dwelling Units		# DUs	Noise Reduction										
			Min	Avg	Max								
			dB	dB	dB								
All Selected		2	0.0	0.0	0.0								
All Impacted		0	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

Project: Buena Vista

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

Equipment	Reference Vibration Levels at 25 ft., PPV	Estimated Vibration Levels at nearest off-site building structures, distance in feet, PPV											
		Building to the North		Buildings to the South		Building to the East		Building to the West		1253 Bishop Rd.		957 Broadway	
		Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level
Large Bulldozer	0.089	90	0.013	10	0.244	460	0.001	10	0.244	90	0.013	260	0.003
Caisson Drilling	0.089	90	0.013	10	0.244	460	0.001	10	0.244	90	0.013	260	0.003
Loaded Trucks	0.076	90	0.011	10	0.208	460	0.001	10	0.208	90	0.011	260	0.002
Jackhammer	0.035	90	0.005	10	0.096	460	0.000	10	0.096	90	0.005	260	0.001
Small bulldozer	0.003	90	0.000	10	0.008	460	0.000	10	0.008	90	0.000	260	0.000

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

Equipment	Reference Vibration Levels at 25 ft., PPV	Estimated Vibration Levels at nearest off-site building structures, distance in feet, PPV											
		969 N Broadway		989 N Broadway		993 N Broadway		1001 N Broadway		1031 N Broadway		1041 N Broadway	
		Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level
Large Bulldozer	0.089	270	0.003	200	0.004	200	0.004	90	0.013	75	0.017	100	0.011
Caisson Drilling	0.089	270	0.003	200	0.004	200	0.004	90	0.013	75	0.017	100	0.011
Loaded Trucks	0.076	270	0.002	200	0.003	200	0.003	90	0.011	75	0.015	100	0.010
Jackhammer	0.035	270	0.001	200	0.002	200	0.002	90	0.005	75	0.007	100	0.004
Small bulldozer	0.003	270	0.000	200	0.000	200	0.000	90	0.000	75	0.001	100	0.000

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

Equipment	Reference Vibration Levels at 25 ft., PPV	Estimated Vibration Levels at nearest off-site building structures, distance in feet, PPV											
		1045 N Broadway		1327 N Broadway		1231 Spring		East of Hill Street Chinatown District		Elysian Park		Buena Vista Street Viaduct (N Broadway Bridge)	
		Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level
Large Bulldozer	0.089	90	0.013	80	0.016	10	0.244	335	0.002	90	0.013	40	0.044
Caisson Drilling	0.089	90	0.013	80	0.016	10	0.244	335	0.002	90	0.013	40	0.044
Loaded Trucks	0.076	90	0.011	80	0.013	10	0.208	335	0.002	90	0.011	40	0.038
Jackhammer	0.035	90	0.005	80	0.006	10	0.096	335	0.001	90	0.005	40	0.017
Small bulldozer	0.003	90	0.000	80	0.001	10	0.008	335	0.000	90	0.000	40	0.002

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

Equipment	Reference Vibration Levels at 25 ft., PPV	Estimated Vibration Levels at nearest off-site building structures, distance in feet, PPV											
		Exposed Zanja Madre Segment		Minimum Distance for Zanja Madre									
		Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level
Large Bulldozer	0.089	35	0.054	28	0.075								
Caisson Drilling	0.089	35	0.054	28	0.075								
Loaded Trucks	0.076	35	0.046	25	0.076								
Jackhammer	0.035	35	0.021	13	0.072								
Small bulldozer	0.003	35	0.002	2	0.048								

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	
		Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level
Large Bulldozer	87	460	49.1	240	57.5	210	59.3	90	70.3	220	58.7	110	67.7
Caisson Drilling	87	460	49.1	240	57.5	210	59.3	90	70.3	220	58.7	110	67.7
Loaded Trucks	86	460	48.1	240	56.5	210	58.3	90	69.3	220	57.7	110	66.7
Jackhammer	79	460	41.1	240	49.5	210	51.3	90	62.3	220	50.7	110	59.7
Small bulldozer	58	460	20.1	240	28.5	210	30.3	90	41.3	220	29.7	110	38.7

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											
		R7		R8		R9		R10		R11		R12	
		Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level
Large Bulldozer	87	580	46.0	205	59.6	265	56.2	95	69.6	200	59.9	165	62.4
Caisson Drilling	87	580	46.0	205	59.6	265	56.2	95	69.6	200	59.9	165	62.4
Loaded Trucks	86	580	45.0	205	58.6	265	55.2	95	68.6	200	58.9	165	61.4
Jackhammer	79	580	38.0	205	51.6	265	48.2	95	61.6	200	51.9	165	54.4
Small bulldozer	58	145	35.1	90	41.3	265	27.2	95	40.6	200	30.9	165	33.4

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

Equipment	Vibration Levels at 25 ft., VdB	Estimated Vibration Levels at Off-Site Receptors (at note distance in feet), VdB											
		R13		R14		R15		R16					
		Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level	Distance	Level
Large Bulldozer	87	615	45.3	855	41.0	400	50.9	160	62.8				
Caisson Drilling	87	615	45.3	855	41.0	400	50.9	160	62.8				
Loaded Trucks	86	615	44.3	855	40.0	400	49.9	160	61.8				
Jackhammer	79	615	37.3	855	33.0	400	42.9	160	54.8				
Small bulldozer	58	615	16.3	855	12.0	400	21.9	160	33.8				

OFF-SITE CONSTRUCTION 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	25										
Typical road surface	0.00565	0.022	0.016										

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											
		24	26										
Typical road surface	63	72.6	71.5										

Ref. Levels based on FTA Figure 7-3

Operation Noise Calculations

Project Composite Noise Calculations (CNEL)

Project: Buena Vista Project

Receptor	Ambient	Traffic ^a	Mechanical	Outdoor	Parking	Loading & Trash Compactor	Project Composite	Ambient + Project	Increase
R1	61.7	48.6	43.2	57.1	23.6	40.9	57.9	63.2	1.5
R1U	61.7	48.6	45.3	59.2	26.2	42.3	59.8	63.9	2.2
R2	64.2	60.8	42.1	42.3	33.4	15.0	60.9	65.9	1.7
R2U	64.2	57.4	42.5	46.4	38.0	14.6	57.9	65.1	0.9
R3	64.9	60.8	49.3	49.6	30.4	17.1	61.4	66.5	1.6
R4	58.7	45.7	42.0	58.3	30.8	36.2	58.6	61.7	3.0
R5	60.2	49.9	47.8	47.5	22.3	14.8	53.3	61.0	0.8
R6	65.9	59.0	50.4	56.5	28.8	17.6	61.3	67.2	1.3
R7	64.1	57.6	39.2	50.4	19.7	27.6	58.4	65.1	1.0
R8	72.8	59.9	48.5	50.1	37.8	36.1	60.7	73.1	0.3
R9	62.8	47.2	48.2	53.6	38.2	29.2	55.5	63.5	0.7
R10	68.8	56.3	46.9	66.6	50.7	57.7	67.6	71.2	2.4
R11	65.5	56.3	43.0	58.0	39.6	31.2	60.3	66.7	1.2
R11U	65.5	52.3	46.4	62.6	36.0	26.9	63.1	67.5	2.0
R12	60.9	45.1	45.5	51.0	31.1	25.8	52.9	61.5	0.6
R13	58.6	44.5	43.3	50.0	22.4	26.8	51.8	59.4	0.8
R14	67.5	55.9	39.1	34.6	21.1	6.3	56.0	67.8	0.3
R15	62.8	46.6	49.6	49.7	38.8	26.3	53.8	63.3	0.5
R16	62.8	50.7	43.8	51.8	37.1	30.1	54.8	63.4	0.6

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

Receptor	Roadway Segment	Traffic Noise Levels, CNEL			distance to roadway, ft	Existing	Existing + Project	barrier	distance to Center Line	adj. for distance
		Existing	Existing + Project	Project Only						
R1	Spring St.	64.9	65.0	48.6	180	72.6	72.7	0	35	-7.7
R1U	Spring St.	64.9	65.0	48.6	180	72.6	72.7	0	35	-7.7
R2	Broadway	72.2	72.5	60.8	15	72.8	73.1	0	35	-0.6
R2U	Broadway	68.9	69.2	57.4	62	72.8	73.1	0	35	-3.9
R3	Broadway	72.2	72.5	60.8	15	72.8	73.1	0	35	-0.6
R4	Spring St.	62.1	62.2	45.7	370	72.6	72.7	0	35	-10.5
R5	Broadway	61.4	61.7	49.9	115	72.4	72.7	-5	35	-6.0
R6	Broadway	70.4	70.7	59.0	30	72.4	72.7	0	35	-2.0
R7	Broadway	69.1	69.4	57.6	50	72.4	72.7	0	35	-3.3
R8	Broadway	73.2	73.4	59.9	10	73.2	73.4	0	35	0.0
R9	Broadway	60.4	60.6	47.2	185	73.2	73.4	-5	35	-7.8
R10	Broadway	72.6	72.7	56.3	10	72.6	72.7	0	35	0.0
R11	Spring St.	72.6	72.7	56.3	10	72.6	72.7	0	35	0.0
R11U	Spring St.	68.7	68.8	52.3	62	72.6	72.7	0	35	-3.9
R12	Spring St.	61.5	61.6	45.1	430	72.6	72.7	0	35	-11.1
R13	Spring St.	60.8	60.9	44.5	500	72.6	72.7	0	35	-11.8
R14	College St.	67.4	67.7	55.9	25	68.9	69.2	0	35	-1.5
R15	Broadway	62.9	63.0	46.6	300	72.6	72.7	0	35	-9.7
R16	Broadway	67.1	67.2	50.7	100	72.6	72.7	0	35	-5.5

FOR REPORT

Receptor	Ambient	Traffic ^a	Mechanical	Outdoor	Parking	Loading & Trash Compactor	Project Composite	Ambient + Project	Increase
R1	61.7	48.6	45.3	59.2	26.2	42.3	59.8	63.9	2.2
R2	64.2	60.8	42.1	42.3	33.4	15.0	60.9	65.9	1.7
R3	64.9	60.8	49.3	49.6	30.4	17.1	61.4	66.5	1.6
R4	58.7	45.7	42.0	58.3	30.8	36.2	58.6	61.7	3.0
R5	60.2	49.9	47.8	47.5	22.3	14.8	53.3	61.0	0.8
R6	65.9	59.0	50.4	56.5	28.8	17.6	61.3	67.2	1.3
R7	64.1	57.6	39.2	50.4	19.7	27.6	58.4	65.1	1.0
R8	72.8	59.9	48.5	50.1	37.8	36.1	60.7	73.1	0.3
R9	62.8	47.2	48.2	53.6	38.2	29.2	55.5	63.5	0.7
R10	68.8	56.3	46.9	66.6	50.7	57.7	67.6	71.2	2.4
R11	65.5	56.3	43.0	58.0	39.6	31.2	60.3	66.7	1.2
R12	60.9	45.1	45.5	51.0	31.1	25.8	52.9	61.5	0.6
R13	58.6	44.5	43.3	50.0	22.4	26.8	51.8	59.4	0.8
R14	67.5	55.9	39.1	34.6	21.1	6.3	56.0	67.8	0.3
R15	62.8	46.6	49.6	49.7	38.8	26.3	53.8	63.3	0.5
R16	62.8	50.7	43.8	51.8	37.1	30.1	54.8	63.4	0.6

Outdoor Mechanical Equipment Noise Calculations

Project: Buena Vista Project

Hours of Operations

Receptor	Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
	Leq	CNEL	12	3	9
R1	36.5	43.2	36.5	36.5	36.5
R1U	38.6	45.3	38.6	38.6	38.6
R2	35.4	42.1	35.4	35.4	35.4
R2U	35.8	42.5	35.8	35.8	35.8
R3	42.6	49.3	42.6	42.6	42.6
R4	35.3	42.0	35.3	35.3	35.3
R5	41.1	47.8	41.1	41.1	41.1
R6	43.7	50.4	43.7	43.7	43.7
R7	32.5	39.2	32.5	32.5	32.5
R8	41.8	48.5	41.8	41.8	41.8
R9	41.5	48.2	41.5	41.5	41.5
R10	40.2	46.9	40.2	40.2	40.2
R11	36.3	43.0	36.3	36.3	36.3
R11U	39.7	46.4	39.7	39.7	39.7
R12	38.8	45.5	38.8	38.8	38.8
R13	36.6	43.3	36.6	36.6	36.6
R14	32.4	39.1	32.4	32.4	32.4
R15	42.9	49.6	42.9	42.9	42.9
R16	37.1	43.8	37.1	37.1	37.1

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)	Project Leq
R1	61.7	61.8	0.1	56.7	56.7	0.0	36.5
R1U	61.7	61.8	0.1	56.7	56.8	0.1	38.6
R2	64.2	64.2	0.0	57.6	57.6	0.0	35.4
R2U	64.2	64.2	0.0	57.6	57.6	0.0	35.8
R3	64.9	65.0	0.1	58.5	58.6	0.1	42.6
R4	58.7	58.8	0.1	53.0	53.1	0.1	35.3
R5	60.2	60.4	0.2	55.2	55.4	0.2	41.1
R6	65.9	66.0	0.1	59.8	59.9	0.1	43.7
R7	64.1	64.1	0.0	58.4	58.4	0.0	32.5
R8	72.8	72.8	0.0	65.2	65.2	0.0	41.8
R9	62.8	62.9	0.1	55.7	55.9	0.2	41.5
R10	68.8	68.8	0.0	61.6	61.6	0.0	40.2
R11	65.5	65.5	0.0	59.9	59.9	0.0	36.3
R11U	65.5	65.6	0.1	59.9	59.9	0.0	39.7
R12	60.9	61.0	0.1	54.0	54.1	0.1	38.8
R13	58.6	58.7	0.1	52.5	52.6	0.1	36.6
R14	67.5	67.5	0.0	59.4	59.4	0.0	32.4
R15	62.8	63.0	0.2	55.7	55.9	0.2	42.9
R16	62.8	62.9	0.1	55.7	55.8	0.1	37.1

For Report

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Threshold
R1	56.7	38.6	56.8	0.1	61.7
R2	57.6	35.8	57.6	0.0	62.6
R3	58.5	42.6	58.6	0.1	63.5
R4	53.0	35.3	53.1	0.1	58.0
R5	55.2	41.1	55.4	0.2	60.2
R6	59.8	43.7	59.9	0.1	64.8
R7	58.4	32.5	58.4	0.0	63.4
R8	65.2	41.8	65.2	0.0	70.2
R9	55.7	41.5	55.9	0.2	60.7
R10	61.6	40.2	61.6	0.0	66.6
R11	59.9	39.7	59.9	0.0	64.9
R12	54.0	38.8	54.1	0.1	59.0
R13	52.5	36.6	52.6	0.1	57.5
R14	59.4	32.4	59.4	0.0	64.4
R15	55.7	42.9	55.9	0.2	60.7
R16	55.7	37.1	55.8	0.1	60.7

Outdoor Noise Calculations

Project: Buena Vista 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	Total, Leq	CNEL	12	3	4
R1	53.0	53.0	57.1	53.0	53.0	49.5
R1U	55.1	55.1	59.2	55.1	55.1	51.6
R2	38.2	38.2	42.3	38.2	38.2	34.7
R2U	42.3	42.3	46.4	42.3	42.3	38.8
R3	45.5	45.5	49.6	45.5	45.5	42.0
R4	54.2	54.2	58.3	54.2	54.2	50.7
R5	43.4	43.4	47.5	43.4	43.4	39.9
R6	52.4	52.4	56.5	52.4	52.4	48.9
R7	46.3	46.3	50.4	46.3	46.3	42.8
R8	46.0	46.0	50.1	46.0	46.0	42.5
R9	49.5	49.5	53.6	49.5	49.5	46.0
R10	62.5	62.5	66.6	62.5	62.5	59.0
R11	53.9	53.9	58.0	53.9	53.9	50.4
R11U	58.5	58.5	62.6	58.5	58.5	55.0
R12	46.9	46.9	51.0	46.9	46.9	43.4
R13	45.9	45.9	50.0	45.9	45.9	42.4
R14	30.5	30.5	34.6	30.5	30.5	27.0
R15	45.6	45.6	49.7	45.6	45.6	42.1
R16	47.7	47.7	51.8	47.7	47.7	44.2

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)
R1	61.7	63.0	1.3	56.7	53.0	58.2	1.5
R1U	61.7	63.6	1.9	56.7	55.1	59.0	2.3
R2	64.2	64.2	0.0	57.6	38.2	57.6	0.0
R2U	64.2	64.3	0.1	57.6	42.3	57.7	0.1
R3	64.9	65.0	0.1	58.5	45.5	58.7	0.2
R4	58.7	61.5	2.8	53.0	54.2	56.7	3.7
R5	60.2	60.4	0.2	55.2	43.4	55.5	0.3
R6	65.9	66.4	0.5	59.8	52.4	60.5	0.7
R7	64.1	64.3	0.2	58.4	46.3	58.7	0.3
R8	72.8	72.8	0.0	65.2	46.0	65.3	0.1
R9	62.8	63.3	0.5	55.7	49.5	56.6	0.9
R10	68.8	70.8	2.0	61.6	62.5	65.1	3.5
R11	65.5	66.2	0.7	59.9	53.9	60.9	1.0
R11U	65.5	67.3	1.8	59.9	58.5	62.3	2.4
R12	60.9	61.3	0.4	54.0	46.9	54.8	0.8
R13	58.6	59.2	0.6	52.5	45.9	53.4	0.9
R14	67.5	67.5	0.0	59.4	30.5	59.4	0.0
R15	62.8	63.0	0.2	55.7	45.6	56.1	0.4
R16	62.8	63.1	0.3	55.7	47.7	56.3	0.6

For Report

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Threshold (Leq)
R1	56.7	55.1	59.0	2.3	61.7
R2	57.6	42.3	57.7	0.1	62.6
R3	58.5	45.5	58.7	0.2	63.5
R4	53.0	54.2	56.7	3.7	58.0
R5	55.2	43.4	55.5	0.3	60.2
R6	59.8	52.4	60.5	0.7	64.8
R7	58.4	46.3	58.7	0.3	63.4
R8	65.2	46.0	65.3	0.1	70.2
R9	55.7	49.5	56.6	0.9	60.7
R10	61.6	62.5	65.1	3.5	66.6
R11	59.9	58.5	62.3	2.4	64.9
R12	54.0	46.9	54.8	0.8	59.0
R13	52.5	45.9	53.4	0.9	57.5
R14	59.4	30.5	59.4	0.0	64.4
R15	55.7	45.6	56.1	0.4	60.7
R16	55.7	47.7	56.3	0.6	60.7

Parking Noise Calculations

Project: Buena Vista Project

Hours of Operations

Receptor	Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
	Leq	CNEL	12	3	9
R1	16.9	23.6	16.9	16.9	16.9
R1U	19.5	26.2	19.5	19.5	19.5
R2	26.7	33.4	26.7	26.7	26.7
R2U	31.3	38.0	31.3	31.3	31.3
R3	23.7	30.4	23.7	23.7	23.7
R4	24.1	30.8	24.1	24.1	24.1
R5	15.6	22.3	15.6	15.6	15.6
R6	22.1	28.8	22.1	22.1	22.1
R7	13.0	19.7	13.0	13.0	13.0
R8	31.1	37.8	31.1	31.1	31.1
R9	31.5	38.2	31.5	31.5	31.5
R10	44.0	50.7	44.0	44.0	44.0
R11	32.9	39.6	32.9	32.9	32.9
R11U	29.3	36.0	29.3	29.3	29.3
R12	24.4	31.1	24.4	24.4	24.4
R13	15.7	22.4	15.7	15.7	15.7
R14	14.4	21.1	14.4	14.4	14.4
R15	32.1	38.8	32.1	32.1	32.1
R16	30.4	37.1	30.4	30.4	30.4

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)	Project Leq
R1	61.7	61.7	0.0	56.7	56.7	0.0	16.9
R1U	61.7	61.7	0.0	56.7	56.7	0.0	19.5
R2	64.2	64.2	0.0	57.6	57.6	0.0	26.7
R2U	64.2	64.2	0.0	57.6	57.6	0.0	31.3
R3	64.9	64.9	0.0	58.5	58.5	0.0	23.7
R4	58.7	58.7	0.0	53.0	53.0	0.0	24.1
R5	60.2	60.2	0.0	55.2	55.2	0.0	15.6
R6	65.9	65.9	0.0	59.8	59.8	0.0	22.1
R7	64.1	64.1	0.0	58.4	58.4	0.0	13.0
R8	72.8	72.8	0.0	65.2	65.2	0.0	31.1
R9	62.8	62.8	0.0	55.7	55.7	0.0	31.5
R10	68.8	68.9	0.1	61.6	61.7	0.1	44.0
R11	65.5	65.5	0.0	59.9	59.9	0.0	32.9
R11U	65.5	65.5	0.0	59.9	59.9	0.0	29.3
R12	60.9	60.9	0.0	54.0	54.0	0.0	24.4
R13	58.6	58.6	0.0	52.5	52.5	0.0	15.7
R14	67.5	67.5	0.0	59.4	59.4	0.0	14.4
R15	62.8	62.8	0.0	55.7	55.7	0.0	32.1
R16	62.8	62.8	0.0	55.7	55.7	0.0	30.4

For Report

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Threshold
R1	56.7	19.5	56.7	0.0	61.7
R2	57.6	31.3	57.6	0.0	62.6
R3	58.5	23.7	58.5	0.0	63.5
R4	53.0	24.1	53.0	0.0	58.0
R5	55.2	15.6	55.2	0.0	60.2
R6	59.8	22.1	59.8	0.0	64.8
R7	58.4	13.0	58.4	0.0	63.4
R8	65.2	31.1	65.2	0.0	70.2
R9	55.7	31.5	55.7	0.0	60.7
R10	61.6	44.0	61.7	0.1	66.6
R11	59.9	32.9	59.9	0.0	64.9
R12	54.0	24.4	54.0	0.0	59.0
R13	52.5	15.7	52.5	0.0	57.5
R14	59.4	14.4	59.4	0.0	64.4
R15	55.7	32.1	55.7	0.0	60.7
R16	55.7	30.4	55.7	0.0	60.7

Loading & Trash Compactor Noise Calculations

Project: Buena Vista Project

Receptor	Hours of Operations				
	Estimated Noise Levels, Leq from SOUNDPLAN		Ld (7am to 7pm)	Le (7pm to 10pm)	Ln (10pm to 7am)
	Leq	CNEL	3	3	
R1	43.7	40.9	37.7	43.7	0.0
R1U	45.1	42.3	39.1	45.1	0.0
R2	17.3	15.0	11.3	17.3	0.0
R2U	16.8	14.6	10.8	16.8	0.0
R3	19.6	17.1	13.6	19.6	0.0
R4	39.0	36.2	33.0	39.0	0.0
R5	17.1	14.8	11.1	17.1	0.0
R6	20.1	17.6	14.1	20.1	0.0
R7	30.4	27.6	24.4	30.4	0.0
R8	38.9	36.1	32.9	38.9	0.0
R9	32.0	29.2	26.0	32.0	0.0
R10	60.5	57.7	54.5	60.5	0.0
R11	34.0	31.2	28.0	34.0	0.0
R11U	29.7	26.9	23.7	29.7	0.0
R12	28.6	25.8	22.6	28.6	0.0
R13	29.6	26.8	23.6	29.6	0.0
R14	-0.4	6.3	-6.4	-0.4	0.0
R15	29.1	26.3	23.1	29.1	0.0
R16	32.9	30.1	26.9	32.9	0.0

Receptor	Ambient CNEL	Ambient + Project (CNEL)	Increase (CNEL)	ambient (Leq)	Ambient + Project (Leq)	Increase (Leq)	Project Leq	Threshold
R1	61.7	61.7	0.0	56.7	56.9	0.2	43.7	61.7
R1U	61.7	61.7	0.0	56.7	57.0	0.3	45.1	61.7
R2	64.2	64.2	0.0	57.6	57.6	0.0	17.3	62.6
R2U	64.2	64.2	0.0	57.6	57.6	0.0	16.8	62.6
R3	64.9	64.9	0.0	58.5	58.5	0.0	19.6	63.5
R4	58.7	58.7	0.0	53.0	53.2	0.2	39.0	58.0
R5	60.2	60.2	0.0	55.2	55.2	0.0	17.1	60.2
R6	65.9	65.9	0.0	59.8	59.8	0.0	20.1	64.8
R7	64.1	64.1	0.0	58.4	58.4	0.0	30.4	63.4
R8	72.8	72.8	0.0	65.2	65.2	0.0	38.9	70.2
R9	62.8	62.8	0.0	55.7	55.7	0.0	32.0	60.7
R10	68.8	69.1	0.3	61.6	64.1	2.5	60.5	66.6
R11	65.5	65.5	0.0	59.9	59.9	0.0	34.0	64.9
R11U	65.5	65.5	0.0	59.9	59.9	0.0	29.7	64.9
R12	60.9	60.9	0.0	54.0	54.0	0.0	28.6	59.0
R13	58.6	58.6	0.0	52.5	52.5	0.0	29.6	57.5
R14	67.5	67.5	0.0	59.4	59.4	0.0	-0.4	64.4
R15	62.8	62.8	0.0	55.7	55.7	0.0	29.1	60.7
R16	62.8	62.8	0.0	55.7	55.7	0.0	32.9	60.7

For Report

Receptor	ambient (Leq)	Project (Leq)	Ambient + Project (Leq)	Increase (Leq)	Threshold
R1	56.7	45.1	57.0	0.3	61.7
R2	57.6	17.3	57.6	0.0	62.6
R3	58.5	19.6	58.5	0.0	63.5
R4	53.0	39.0	53.2	0.2	58.0
R5	55.2	17.1	55.2	0.0	60.2
R6	59.8	20.1	59.8	0.0	64.8
R7	58.4	30.4	58.4	0.0	63.4
R8	65.2	38.9	65.2	0.0	70.2
R9	55.7	32.0	55.7	0.0	60.7
R10	61.6	60.5	64.1	2.5	66.6
R11	59.9	34.0	59.9	0.0	64.9
R12	54.0	28.6	54.0	0.0	59.0
R13	52.5	29.6	52.5	0.0	57.5
R14	59.4	-0.4	59.4	0.0	64.4
R15	55.7	29.1	55.7	0.0	60.7
R16	55.7	32.9	55.7	0.0	60.7

Buena Vista Calculated Noise Levels - 02a Mechanical

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 36.5 dB(A)			
Mechanical	Point	17.1	
Mechanical	Point	17.8	
Mechanical	Point	17.7	
Mechanical	Point	16.1	
Mechanical	Point	18.6	
Mechanical	Point	9.6	
Mechanical	Point	9.5	
Mechanical	Point	9.3	
Mechanical	Point	14.7	
Mechanical	Point	18.9	
Mechanical	Point	19.9	
Mechanical	Point	22.9	
Mechanical	Point	19.6	
Mechanical	Point	14.8	
Mechanical	Point	14.4	
Mechanical	Point	13.7	
Mechanical	Point	13.5	
Mechanical	Point	19.2	
Mechanical	Point	19.0	
Mechanical	Point	18.9	
Mechanical	Point	30.4	
Mechanical	Point	30.4	
Mechanical	Point	30.6	
Mechanical	Point	12.0	
Mechanical	Point	9.9	
Receiver R1 FI F2 Leq,d 38.6 dB(A)			
Mechanical	Point	19.7	
Mechanical	Point	19.4	
Mechanical	Point	19.3	
Mechanical	Point	18.0	
Mechanical	Point	20.9	
Mechanical	Point	16.5	
Mechanical	Point	16.4	
Mechanical	Point	16.3	
Mechanical	Point	17.4	
Mechanical	Point	21.2	
Mechanical	Point	21.8	
Mechanical	Point	24.5	
Mechanical	Point	21.7	
Mechanical	Point	18.0	
Mechanical	Point	17.9	
Mechanical	Point	17.8	

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Buena Vista Calculated Noise Levels - 02a Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	17.7	
Mechanical	Point	19.1	
Mechanical	Point	19.0	
Mechanical	Point	18.9	
Mechanical	Point	32.5	
Mechanical	Point	32.6	
Mechanical	Point	32.7	
Mechanical	Point	16.4	
Mechanical	Point	12.7	
Receiver R2 FI G Leq,d 35.4 dB(A)			
Mechanical	Point	24.0	
Mechanical	Point	23.9	
Mechanical	Point	24.4	
Mechanical	Point	25.1	
Mechanical	Point	24.9	
Mechanical	Point	1.4	
Mechanical	Point	1.9	
Mechanical	Point	2.1	
Mechanical	Point	19.9	
Mechanical	Point	20.7	
Mechanical	Point	24.9	
Mechanical	Point	25.3	
Mechanical	Point	22.4	
Mechanical	Point	3.1	
Mechanical	Point	3.5	
Mechanical	Point	3.5	
Mechanical	Point	3.4	
Mechanical	Point	13.2	
Mechanical	Point	13.2	
Mechanical	Point	13.1	
Mechanical	Point	27.8	
Mechanical	Point	14.7	
Mechanical	Point	15.0	
Mechanical	Point	21.5	
Mechanical	Point	22.1	
Receiver R2 FI F2 Leq,d 35.8 dB(A)			
Mechanical	Point	23.0	
Mechanical	Point	22.9	
Mechanical	Point	23.4	
Mechanical	Point	24.0	
Mechanical	Point	23.7	
Mechanical	Point	13.8	
Mechanical	Point	13.8	

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Buena Vista Calculated Noise Levels - 02a Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	13.8	
Mechanical	Point	19.4	
Mechanical	Point	20.2	
Mechanical	Point	23.8	
Mechanical	Point	24.1	
Mechanical	Point	21.7	
Mechanical	Point	12.4	
Mechanical	Point	13.2	
Mechanical	Point	13.2	
Mechanical	Point	13.1	
Mechanical	Point	16.4	
Mechanical	Point	16.3	
Mechanical	Point	16.1	
Mechanical	Point	13.2	
Mechanical	Point	13.3	
Mechanical	Point	13.6	
Mechanical	Point	28.2	
Mechanical	Point	29.3	
Receiver R3 FI G Leq,d 42.6 dB(A)			
Mechanical	Point	27.8	
Mechanical	Point	25.2	
Mechanical	Point	24.9	
Mechanical	Point	24.2	
Mechanical	Point	20.3	
Mechanical	Point	16.2	
Mechanical	Point	16.1	
Mechanical	Point	16.1	
Mechanical	Point	20.6	
Mechanical	Point	21.1	
Mechanical	Point	24.1	
Mechanical	Point	23.6	
Mechanical	Point	21.4	
Mechanical	Point	18.0	
Mechanical	Point	17.9	
Mechanical	Point	17.8	
Mechanical	Point	17.7	
Mechanical	Point	19.3	
Mechanical	Point	19.1	
Mechanical	Point	19.0	
Mechanical	Point	35.5	
Mechanical	Point	31.9	
Mechanical	Point	34.9	
Mechanical	Point	36.1	

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Buena Vista Calculated Noise Levels - 02a Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	34.7	
Receiver R4 FI G Leq,d 35.3 dB(A)			
Mechanical	Point	23.1	
Mechanical	Point	19.0	
Mechanical	Point	17.9	
Mechanical	Point	16.2	
Mechanical	Point	16.4	
Mechanical	Point	17.7	
Mechanical	Point	17.6	
Mechanical	Point	17.6	
Mechanical	Point	18.3	
Mechanical	Point	17.1	
Mechanical	Point	16.4	
Mechanical	Point	16.7	
Mechanical	Point	16.7	
Mechanical	Point	19.7	
Mechanical	Point	19.6	
Mechanical	Point	19.5	
Mechanical	Point	19.3	
Mechanical	Point	21.2	
Mechanical	Point	21.0	
Mechanical	Point	20.8	
Mechanical	Point	25.6	
Mechanical	Point	25.0	
Mechanical	Point	27.3	
Mechanical	Point	20.1	
Mechanical	Point	26.7	
Receiver R5 FI G Leq,d 41.1 dB(A)			
Mechanical	Point	9.5	
Mechanical	Point	9.3	
Mechanical	Point	9.0	
Mechanical	Point	8.7	
Mechanical	Point	8.5	
Mechanical	Point	1.2	
Mechanical	Point	1.4	
Mechanical	Point	1.5	
Mechanical	Point	24.8	
Mechanical	Point	25.0	
Mechanical	Point	25.3	
Mechanical	Point	21.3	
Mechanical	Point	24.7	
Mechanical	Point	1.6	
Mechanical	Point	1.7	

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Buena Vista Calculated Noise Levels - 02a Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	1.8	
Mechanical	Point	1.9	
Mechanical	Point	6.3	
Mechanical	Point	6.2	
Mechanical	Point	6.1	
Mechanical	Point	24.0	
Mechanical	Point	13.4	
Mechanical	Point	13.4	
Mechanical	Point	34.3	
Mechanical	Point	39.2	
Receiver R6 FI G Leq,d 43.7 dB(A)			
Mechanical	Point	12.0	
Mechanical	Point	11.5	
Mechanical	Point	11.4	
Mechanical	Point	11.0	
Mechanical	Point	10.3	
Mechanical	Point	20.6	
Mechanical	Point	20.6	
Mechanical	Point	20.7	
Mechanical	Point	27.0	
Mechanical	Point	26.6	
Mechanical	Point	25.9	
Mechanical	Point	22.9	
Mechanical	Point	25.9	
Mechanical	Point	20.6	
Mechanical	Point	20.5	
Mechanical	Point	20.4	
Mechanical	Point	20.3	
Mechanical	Point	22.4	
Mechanical	Point	22.2	
Mechanical	Point	22.0	
Mechanical	Point	13.5	
Mechanical	Point	14.1	
Mechanical	Point	13.9	
Mechanical	Point	41.0	
Mechanical	Point	38.7	
Receiver R7 FI G Leq,d 32.5 dB(A)			
Mechanical	Point	9.8	
Mechanical	Point	7.8	
Mechanical	Point	19.0	
Mechanical	Point	18.5	
Mechanical	Point	18.9	
Mechanical	Point	7.6	

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**Buena Vista
Calculated Noise Levels - 02a Mechanical**

Source	Source type	Leq,d dB(A)	
Mechanical	Point	7.6	
Mechanical	Point	7.5	
Mechanical	Point	23.5	
Mechanical	Point	21.2	
Mechanical	Point	18.0	
Mechanical	Point	19.2	
Mechanical	Point	19.3	
Mechanical	Point	8.9	
Mechanical	Point	8.8	
Mechanical	Point	8.7	
Mechanical	Point	8.6	
Mechanical	Point	10.9	
Mechanical	Point	10.7	
Mechanical	Point	10.5	
Mechanical	Point	24.7	
Mechanical	Point	24.5	
Mechanical	Point	24.3	
Mechanical	Point	13.1	
Mechanical	Point	9.7	
Receiver R8 FI G Leq,d 41.8 dB(A)			
Mechanical	Point	20.2	
Mechanical	Point	19.6	
Mechanical	Point	19.3	
Mechanical	Point	18.9	
Mechanical	Point	18.9	
Mechanical	Point	24.9	
Mechanical	Point	24.1	
Mechanical	Point	23.4	
Mechanical	Point	22.5	
Mechanical	Point	21.5	
Mechanical	Point	19.7	
Mechanical	Point	20.3	
Mechanical	Point	20.5	
Mechanical	Point	29.9	
Mechanical	Point	29.3	
Mechanical	Point	28.6	
Mechanical	Point	28.1	
Mechanical	Point	35.8	
Mechanical	Point	35.0	
Mechanical	Point	34.3	
Mechanical	Point	21.1	
Mechanical	Point	21.0	
Mechanical	Point	20.9	

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Buena Vista Calculated Noise Levels - 02a Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	2.4	
Mechanical	Point	2.4	
Receiver R9 FI G Leq,d 41.5 dB(A)			
Mechanical	Point	16.3	
Mechanical	Point	15.4	
Mechanical	Point	14.8	
Mechanical	Point	13.9	
Mechanical	Point	14.0	
Mechanical	Point	27.9	
Mechanical	Point	27.0	
Mechanical	Point	27.0	
Mechanical	Point	18.4	
Mechanical	Point	17.3	
Mechanical	Point	15.2	
Mechanical	Point	16.0	
Mechanical	Point	16.1	
Mechanical	Point	31.2	
Mechanical	Point	31.2	
Mechanical	Point	31.2	
Mechanical	Point	31.2	
Mechanical	Point	32.9	
Mechanical	Point	33.5	
Mechanical	Point	34.4	
Mechanical	Point	12.1	
Mechanical	Point	12.5	
Mechanical	Point	12.5	
Mechanical	Point	0.3	
Mechanical	Point	0.3	
Receiver R10 FI G Leq,d 40.2 dB(A)			
Mechanical	Point	16.2	
Mechanical	Point	16.0	
Mechanical	Point	15.9	
Mechanical	Point	15.8	
Mechanical	Point	9.1	
Mechanical	Point	29.1	
Mechanical	Point	27.5	
Mechanical	Point	27.5	
Mechanical	Point	18.6	
Mechanical	Point	18.4	
Mechanical	Point	18.0	
Mechanical	Point	18.1	
Mechanical	Point	18.2	
Mechanical	Point	30.5	

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Buena Vista Calculated Noise Levels - 02a Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	31.8	
Mechanical	Point	32.1	
Mechanical	Point	32.3	
Mechanical	Point	32.7	
Mechanical	Point	19.4	
Mechanical	Point	19.3	
Mechanical	Point	14.1	
Mechanical	Point	14.8	
Mechanical	Point	14.6	
Mechanical	Point	-2.2	
Mechanical	Point	-2.2	
Receiver R11 FI G Leq,d 36.3 dB(A)			
Mechanical	Point	14.8	
Mechanical	Point	14.7	
Mechanical	Point	15.0	
Mechanical	Point	20.9	
Mechanical	Point	23.5	
Mechanical	Point	15.3	
Mechanical	Point	15.3	
Mechanical	Point	15.2	
Mechanical	Point	13.4	
Mechanical	Point	18.4	
Mechanical	Point	21.0	
Mechanical	Point	21.9	
Mechanical	Point	18.5	
Mechanical	Point	16.8	
Mechanical	Point	16.7	
Mechanical	Point	16.6	
Mechanical	Point	16.5	
Mechanical	Point	17.9	
Mechanical	Point	17.7	
Mechanical	Point	17.6	
Mechanical	Point	29.6	
Mechanical	Point	29.9	
Mechanical	Point	30.2	
Mechanical	Point	14.1	
Mechanical	Point	12.5	
Receiver R11 FI F2 Leq,d 39.7 dB(A)			
Mechanical	Point	14.9	
Mechanical	Point	14.8	
Mechanical	Point	15.6	
Mechanical	Point	21.9	
Mechanical	Point	24.6	

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Buena Vista Calculated Noise Levels - 02a Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	15.3	
Mechanical	Point	15.3	
Mechanical	Point	15.2	
Mechanical	Point	15.7	
Mechanical	Point	20.7	
Mechanical	Point	23.1	
Mechanical	Point	23.8	
Mechanical	Point	20.8	
Mechanical	Point	16.8	
Mechanical	Point	16.7	
Mechanical	Point	16.6	
Mechanical	Point	16.5	
Mechanical	Point	17.9	
Mechanical	Point	17.7	
Mechanical	Point	17.6	
Mechanical	Point	33.7	
Mechanical	Point	34.0	
Mechanical	Point	34.4	
Mechanical	Point	17.4	
Mechanical	Point	13.3	
Receiver R12 FI G Leq,d 38.8 dB(A)			
Mechanical	Point	17.2	
Mechanical	Point	17.1	
Mechanical	Point	16.9	
Mechanical	Point	16.6	
Mechanical	Point	16.7	
Mechanical	Point	27.1	
Mechanical	Point	24.4	
Mechanical	Point	24.2	
Mechanical	Point	19.5	
Mechanical	Point	19.1	
Mechanical	Point	18.6	
Mechanical	Point	18.6	
Mechanical	Point	18.8	
Mechanical	Point	26.6	
Mechanical	Point	26.4	
Mechanical	Point	26.1	
Mechanical	Point	26.0	
Mechanical	Point	30.9	
Mechanical	Point	31.2	
Mechanical	Point	31.6	
Mechanical	Point	18.0	
Mechanical	Point	17.9	

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Buena Vista Calculated Noise Levels - 02a Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	17.8	
Mechanical	Point	-0.5	
Mechanical	Point	4.0	
Receiver R13 FI G Leq,d 36.6 dB(A)			
Mechanical	Point	21.8	
Mechanical	Point	20.0	
Mechanical	Point	18.9	
Mechanical	Point	17.7	
Mechanical	Point	17.7	
Mechanical	Point	21.4	
Mechanical	Point	21.1	
Mechanical	Point	20.8	
Mechanical	Point	23.9	
Mechanical	Point	20.9	
Mechanical	Point	18.3	
Mechanical	Point	18.5	
Mechanical	Point	18.6	
Mechanical	Point	24.4	
Mechanical	Point	24.1	
Mechanical	Point	23.9	
Mechanical	Point	23.8	
Mechanical	Point	26.4	
Mechanical	Point	26.2	
Mechanical	Point	26.0	
Mechanical	Point	24.7	
Mechanical	Point	24.5	
Mechanical	Point	24.3	
Mechanical	Point	7.8	
Mechanical	Point	7.7	
Receiver R14 FI G Leq,d 32.4 dB(A)			
Mechanical	Point	22.2	
Mechanical	Point	22.1	
Mechanical	Point	22.3	
Mechanical	Point	22.4	
Mechanical	Point	21.6	
Mechanical	Point	-7.6	
Mechanical	Point	4.9	
Mechanical	Point	5.1	
Mechanical	Point	18.8	
Mechanical	Point	19.4	
Mechanical	Point	21.4	
Mechanical	Point	21.5	
Mechanical	Point	20.3	

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Buena Vista Calculated Noise Levels - 02a Mechanical

Source	Source type	Leq,d dB(A)	
Mechanical	Point	-1.9	
Mechanical	Point	-1.9	
Mechanical	Point	-1.9	
Mechanical	Point	-1.9	
Mechanical	Point	-3.3	
Mechanical	Point	-3.3	
Mechanical	Point	-3.2	
Mechanical	Point	24.9	
Mechanical	Point	6.8	
Mechanical	Point	6.9	
Mechanical	Point	13.3	
Mechanical	Point	11.8	
Receiver R15 (Trail) FI G Leq,d 42.9 dB(A)			
Mechanical	Point	18.8	
Mechanical	Point	18.7	
Mechanical	Point	18.5	
Mechanical	Point	18.4	
Mechanical	Point	18.4	
Mechanical	Point	25.9	
Mechanical	Point	25.7	
Mechanical	Point	25.6	
Mechanical	Point	22.2	
Mechanical	Point	22.0	
Mechanical	Point	21.6	
Mechanical	Point	21.1	
Mechanical	Point	21.8	
Mechanical	Point	30.9	
Mechanical	Point	31.2	
Mechanical	Point	30.8	
Mechanical	Point	30.6	
Mechanical	Point	35.9	
Mechanical	Point	36.1	
Mechanical	Point	35.8	
Mechanical	Point	19.4	
Mechanical	Point	19.4	
Mechanical	Point	19.4	
Mechanical	Point	23.8	
Mechanical	Point	10.9	
Receiver R16 (Trail) FI G Leq,d 37.1 dB(A)			
Mechanical	Point	-4.2	
Mechanical	Point	-4.5	
Mechanical	Point	-4.8	
Mechanical	Point	-4.5	

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**Buena Vista
Calculated Noise Levels - 02a Mechanical**

Source	Source type	Leq,d dB(A)
Mechanical	Point	-4.7
Mechanical	Point	26.4
Mechanical	Point	26.7
Mechanical	Point	29.4
Mechanical	Point	16.2
Mechanical	Point	16.1
Mechanical	Point	15.8
Mechanical	Point	15.8
Mechanical	Point	15.9
Mechanical	Point	28.3
Mechanical	Point	28.6
Mechanical	Point	29.0
Mechanical	Point	29.3
Mechanical	Point	15.0
Mechanical	Point	14.3
Mechanical	Point	13.8
Mechanical	Point	-3.6
Mechanical	Point	-4.1
Mechanical	Point	-5.2
Mechanical	Point	-4.6
Mechanical	Point	-0.3

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Buena Vista
Source Levels in dB(A) - 02b Loading and Trash Compactor

Name	Source type	Lw dB(A)	
Loading North Parcel Level 01	Point	101.9	
Loading North Parcel Level 01	Point	101.9	
Loading South Parcel P3	Point	101.9	
Loading South Parcel P3	Point	101.9	
Loading South Parcel P3	Point	101.9	
Trash Compactor North Parcel Level 01	Point	77.7	
Trash Compactor South Parcel P3	Point	77.7	

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Buena Vista Calculated Noise Levels - 02b Loading and Trash Compactor

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 43.7 dB(A)			
Loading South Parcel P3	Point	36.6	
Loading South Parcel P3	Point	36.8	
Loading North Parcel Level 01	Point	1.9	
Loading North Parcel Level 01	Point	1.9	
Trash Compactor North Parcel Level 01	Point	-17.3	
Loading South Parcel P3	Point	41.5	
Trash Compactor South Parcel P3	Point	17.9	
Receiver R1 FI F2 Leq,d 45.1 dB(A)			
Loading South Parcel P3	Point	36.9	
Loading South Parcel P3	Point	40.5	
Loading North Parcel Level 01	Point	9.5	
Loading North Parcel Level 01	Point	2.7	
Trash Compactor North Parcel Level 01	Point	-15.5	
Loading South Parcel P3	Point	42.2	
Trash Compactor South Parcel P3	Point	18.9	
Receiver R2 FI G Leq,d 17.3 dB(A)			
Loading South Parcel P3	Point	10.9	
Loading South Parcel P3	Point	-0.7	
Loading North Parcel Level 01	Point	1.4	
Loading North Parcel Level 01	Point	1.4	
Trash Compactor North Parcel Level 01	Point	-19.9	
Loading South Parcel P3	Point	15.7	
Trash Compactor South Parcel P3	Point	-7.3	
Receiver R2 FI F2 Leq,d 16.8 dB(A)			
Loading South Parcel P3	Point	-0.4	
Loading South Parcel P3	Point	-0.7	
Loading North Parcel Level 01	Point	-0.7	
Loading North Parcel Level 01	Point	-0.7	
Trash Compactor North Parcel Level 01	Point	-21.4	
Loading South Parcel P3	Point	16.4	
Trash Compactor South Parcel P3	Point	-12.4	
Receiver R3 FI G Leq,d 19.6 dB(A)			
Loading South Parcel P3	Point	-3.7	
Loading South Parcel P3	Point	19.4	
Loading North Parcel Level 01	Point	2.4	
Loading North Parcel Level 01	Point	2.4	
Trash Compactor North Parcel Level 01	Point	-14.0	
Loading South Parcel P3	Point		
Trash Compactor South Parcel P3	Point	-2.3	
Receiver R4 FI G Leq,d 39.0 dB(A)			
Loading South Parcel P3	Point	24.1	

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Buena Vista Calculated Noise Levels - 02b Loading and Trash Compactor

Source	Source type	Leq,d dB(A)	
Loading South Parcel P3	Point	38.2	
Loading North Parcel Level 01	Point	3.5	
Loading North Parcel Level 01	Point	3.5	
Trash Compactor North Parcel Level 01	Point	-17.8	
Loading South Parcel P3	Point	29.8	
Trash Compactor South Parcel P3	Point	0.8	
Receiver R5 FI G Leq,d 17.1 dB(A)			
Loading South Parcel P3	Point	-6.7	
Loading South Parcel P3	Point	13.4	
Loading North Parcel Level 01	Point	3.0	
Loading North Parcel Level 01	Point	2.9	
Trash Compactor North Parcel Level 01	Point	-16.9	
Loading South Parcel P3	Point	14.0	
Trash Compactor South Parcel P3	Point	-8.1	
Receiver R6 FI G Leq,d 20.1 dB(A)			
Loading South Parcel P3	Point	-2.1	
Loading South Parcel P3	Point	-2.0	
Loading North Parcel Level 01	Point	6.6	
Loading North Parcel Level 01	Point	6.6	
Trash Compactor North Parcel Level 01	Point	-7.2	
Loading South Parcel P3	Point	19.6	
Trash Compactor South Parcel P3	Point	-1.3	
Receiver R7 FI G Leq,d 30.4 dB(A)			
Loading South Parcel P3	Point	14.9	
Loading South Parcel P3	Point	30.2	
Loading North Parcel Level 01	Point	8.2	
Loading North Parcel Level 01	Point	8.1	
Trash Compactor North Parcel Level 01	Point	-11.6	
Loading South Parcel P3	Point	2.2	
Trash Compactor South Parcel P3	Point	-18.3	
Receiver R8 FI G Leq,d 38.9 dB(A)			
Loading South Parcel P3	Point	25.8	
Loading South Parcel P3	Point	25.6	
Loading North Parcel Level 01	Point	35.5	
Loading North Parcel Level 01	Point	35.4	
Trash Compactor North Parcel Level 01	Point	16.9	
Loading South Parcel P3	Point	-0.2	
Trash Compactor South Parcel P3	Point	-20.8	
Receiver R9 FI G Leq,d 32.0 dB(A)			
Loading South Parcel P3	Point	20.7	
Loading South Parcel P3	Point	19.2	
Loading North Parcel Level 01	Point	26.2	

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Buena Vista Calculated Noise Levels - 02b Loading and Trash Compactor

Source	Source type	Leq,d dB(A)	
Loading North Parcel Level 01	Point	29.9	
Trash Compactor North Parcel Level 01	Point	4.0	
Loading South Parcel P3	Point		
Trash Compactor South Parcel P3	Point		
Receiver R10 FI G Leq,d 60.5 dB(A)			
Loading South Parcel P3	Point	12.4	
Loading South Parcel P3	Point	9.4	
Loading North Parcel Level 01	Point	57.7	
Loading North Parcel Level 01	Point	57.4	
Trash Compactor North Parcel Level 01	Point	19.9	
Loading South Parcel P3	Point	-21.4	
Trash Compactor South Parcel P3	Point	-41.3	
Receiver R11 FI G Leq,d 34.0 dB(A)			
Loading South Parcel P3	Point	26.4	
Loading South Parcel P3	Point	25.9	
Loading North Parcel Level 01	Point	1.5	
Loading North Parcel Level 01	Point	1.4	
Trash Compactor North Parcel Level 01	Point	-17.2	
Loading South Parcel P3	Point	32.2	
Trash Compactor South Parcel P3	Point	14.2	
Receiver R11 FI F2 Leq,d 29.7 dB(A)			
Loading South Parcel P3	Point	26.9	
Loading South Parcel P3	Point	26.4	
Loading North Parcel Level 01	Point	1.9	
Loading North Parcel Level 01	Point	1.9	
Trash Compactor North Parcel Level 01	Point	-15.7	
Loading South Parcel P3	Point	-8.1	
Trash Compactor South Parcel P3	Point	-38.6	
Receiver R12 FI G Leq,d 28.6 dB(A)			
Loading South Parcel P3	Point	21.8	
Loading South Parcel P3	Point	19.8	
Loading North Parcel Level 01	Point	26.8	
Loading North Parcel Level 01	Point	6.0	
Trash Compactor North Parcel Level 01	Point	-14.0	
Loading South Parcel P3	Point	4.7	
Trash Compactor South Parcel P3	Point		
Receiver R13 FI G Leq,d 29.6 dB(A)			
Loading South Parcel P3	Point	25.8	
Loading South Parcel P3	Point	27.1	
Loading North Parcel Level 01	Point	9.2	
Loading North Parcel Level 01	Point	9.2	
Trash Compactor North Parcel Level 01	Point	-11.5	

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Buena Vista Calculated Noise Levels - 02b Loading and Trash Compactor

Source	Source type	Leq,d dB(A)	
Loading South Parcel P3	Point		
Trash Compactor South Parcel P3	Point		
Receiver R14 FI G Leq,d -0.4 dB(A)			
Loading South Parcel P3	Point		
Loading South Parcel P3	Point		
Loading North Parcel Level 01	Point	-3.4	
Loading North Parcel Level 01	Point	-3.4	
Trash Compactor North Parcel Level 01	Point	-24.4	
Loading South Parcel P3	Point		
Trash Compactor South Parcel P3	Point		
Receiver R15 (Trail) FI G Leq,d 29.1 dB(A)			
Loading South Parcel P3	Point	14.7	
Loading South Parcel P3	Point	27.3	
Loading North Parcel Level 01	Point	20.6	
Loading North Parcel Level 01	Point	21.1	
Trash Compactor North Parcel Level 01	Point	2.2	
Loading South Parcel P3	Point	-2.6	
Trash Compactor South Parcel P3	Point	-23.0	
Receiver R16 (Trail) FI G Leq,d 32.9 dB(A)			
Loading South Parcel P3	Point	2.0	
Loading South Parcel P3	Point	0.3	
Loading North Parcel Level 01	Point	31.6	
Loading North Parcel Level 01	Point	26.5	
Trash Compactor North Parcel Level 01	Point	13.6	
Loading South Parcel P3	Point		
Trash Compactor South Parcel P3	Point		

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Buena Vista
Input data parking lots - 02c Parking

Parking lot	Number of Parking Spaces	
Parking North Parcel P1	135	
South Parcel Parking P3	458	

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Buena Vista Calculated Noise Levels - 02c Parking

Source	Source type	Leq,d dB(A)	
Receiver R1 FI G Leq,d 16.9 dB(A)			
Parking North Parcel P1	PLot	4.7	
South Parcel Parking P3	PLot	16.6	
Receiver R1 FI F2 Leq,d 19.5 dB(A)			
Parking North Parcel P1	PLot	9.1	
South Parcel Parking P3	PLot	19.1	
Receiver R2 FI G Leq,d 26.7 dB(A)			
Parking North Parcel P1	PLot	3.2	
South Parcel Parking P3	PLot	26.7	
Receiver R2 FI F2 Leq,d 31.3 dB(A)			
Parking North Parcel P1	PLot	3.2	
South Parcel Parking P3	PLot	31.3	
Receiver R3 FI G Leq,d 23.7 dB(A)			
Parking North Parcel P1	PLot	12.7	
South Parcel Parking P3	PLot	23.4	
Receiver R4 FI G Leq,d 24.1 dB(A)			
Parking North Parcel P1	PLot	9.1	
South Parcel Parking P3	PLot	24.0	
Receiver R5 FI G Leq,d 15.6 dB(A)			
Parking North Parcel P1	PLot	4.9	
South Parcel Parking P3	PLot	15.2	
Receiver R6 FI G Leq,d 22.1 dB(A)			
Parking North Parcel P1	PLot	16.3	
South Parcel Parking P3	PLot	20.7	
Receiver R7 FI G Leq,d 13.0 dB(A)			
Parking North Parcel P1	PLot	10.7	
South Parcel Parking P3	PLot	9.1	
Receiver R8 FI G Leq,d 31.1 dB(A)			
Parking North Parcel P1	PLot	31.1	
South Parcel Parking P3	PLot	6.8	
Receiver R9 FI G Leq,d 31.5 dB(A)			
Parking North Parcel P1	PLot	31.5	
South Parcel Parking P3	PLot	1.5	
Receiver R10 FI G Leq,d 44.0 dB(A)			
Parking North Parcel P1	PLot	44.0	
South Parcel Parking P3	PLot	-0.5	
Receiver R11 FI G Leq,d 32.9 dB(A)			
Parking North Parcel P1	PLot	6.7	
South Parcel Parking P3	PLot	32.9	
Receiver R11 FI F2 Leq,d 29.3 dB(A)			

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Buena Vista Calculated Noise Levels - 02c Parking

Source	Source type	Leq,d dB(A)	
Parking North Parcel P1	PLot	7.7	
South Parcel Parking P3	PLot	29.2	
Receiver R12 FI G Leq,d 24.4 dB(A)			
Parking North Parcel P1	PLot	24.4	
South Parcel Parking P3	PLot	1.2	
Receiver R13 FI G Leq,d 15.7 dB(A)			
Parking North Parcel P1	PLot	14.1	
South Parcel Parking P3	PLot	10.5	
Receiver R14 FI G Leq,d 14.4 dB(A)			
Parking North Parcel P1	PLot	-2.1	
South Parcel Parking P3	PLot	14.3	
Receiver R15 (Trail) FI G Leq,d 32.1 dB(A)			
Parking North Parcel P1	PLot	32.1	
South Parcel Parking P3	PLot	6.1	
Receiver R16 (Trail) FI G Leq,d 30.4 dB(A)			
Parking North Parcel P1	PLot	30.4	
South Parcel Parking P3	PLot	-2.1	

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Buena Vista Source Levels in dB(A) - 02e Speakers

Name	Source type	Lw dB(A)	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 05	Point	104.2	
Speakers S Parcel Level 22	Point	109.2	
Speakers S Parcel Level 22	Point	109.2	
Speakers S Parcel Level 22	Point	109.2	
Speakers S Parcel Level 22	Point	109.2	
Speakers S Parcel Level 26	Point	109.2	
Speakers S Parcel Level 26	Point	109.2	
Speakers S Parcel Level 26	Point	109.2	
Speakers S Parcel Level 26	Point	109.2	
Speakers S Parcel Level 26	Point	109.2	
Speakers S Parcel Level P3	Point	99.2	
Speakers S Parcel Level P3	Point	99.2	
Speakers S Parcel Level P3	Point	99.2	
Speakers S Parcel Level P3	Point	99.2	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)
Receiver R1 FIG Leq,d 53.0 dB(A)		
Speakers N Parcel Level 01	Point	-7.9
Speakers N Parcel Level 01	Point	-13.0
Speakers N Parcel Level 01	Point	-13.4
Speakers N Parcel Level 01	Point	-13.6
Speakers N Parcel Level 01	Point	-13.8
Speakers N Parcel Level 01	Point	-14.0
Speakers N Parcel Level 01	Point	-14.1
Speakers N Parcel Level 01	Point	-13.6
Speakers N Parcel Level 01	Point	-5.4
Speakers N Parcel Level 01	Point	-3.3
Speakers N Parcel Level 01	Point	-13.5
Speakers N Parcel Level 01	Point	-13.7
Speakers N Parcel Level 01	Point	-14.2
Speakers N Parcel Level 01	Point	-14.0
Speakers N Parcel Level 01	Point	8.5
Speakers N Parcel Level 01	Point	-5.8
Speakers N Parcel Level 01	Point	-14.5
Speakers N Parcel Level 01	Point	-15.2
Speakers N Parcel Level 01	Point	-15.6
Speakers N Parcel Level 01	Point	-16.7
Speakers N Parcel Level 01	Point	-17.1
Speakers N Parcel Level 01	Point	-16.3
Speakers N Parcel Level 01	Point	-16.2
Speakers N Parcel Level 01	Point	-13.6
Speakers N Parcel Level 01	Point	-12.2
Speakers N Parcel Level 01	Point	-14.0
Speakers N Parcel Level 01	Point	-16.8
Speakers N Parcel Level 01	Point	-17.2
Speakers N Parcel Level 01	Point	-17.3
Speakers N Parcel Level 01	Point	-17.4
Speakers N Parcel Level 01	Point	-17.5
Speakers N Parcel Level 01	Point	-17.5
Speakers N Parcel Level 01	Point	-16.8
Speakers S Parcel Level 01	Point	1.6
Speakers S Parcel Level 01	Point	5.1
Speakers S Parcel Level 01	Point	29.8
Speakers S Parcel Level 01	Point	29.2
Speakers S Parcel Level 01	Point	28.5
Speakers S Parcel Level 01	Point	31.5
Speakers S Parcel Level 01	Point	32.5
Speakers S Parcel Level 01	Point	29.9
Speakers S Parcel Level 01	Point	30.1

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	32.1	
Speakers S Parcel Level 01	Point	32.8	
Speakers S Parcel Level 01	Point	33.6	
Speakers S Parcel Level 01	Point	34.5	
Speakers S Parcel Level 01	Point	34.5	
Speakers S Parcel Level 01	Point	35.5	
Speakers S Parcel Level 01	Point	30.7	
Speakers S Parcel Level 01	Point	37.9	
Speakers S Parcel Level 01	Point	39.0	
Speakers S Parcel Level 01	Point	40.0	
Speakers S Parcel Level 01	Point	40.8	
Speakers S Parcel Level 01	Point	41.4	
Speakers S Parcel Level 01	Point	39.2	
Speakers S Parcel Level 01	Point	38.9	
Speakers S Parcel Level 01	Point	40.7	
Speakers S Parcel Level 01	Point	40.0	
Speakers S Parcel Level 01	Point	39.0	
Speakers S Parcel Level 01	Point	38.1	
Speakers S Parcel Level 01	Point	11.2	
Speakers S Parcel Level 01	Point	29.5	
Speakers S Parcel Level 01	Point	34.0	
Speakers S Parcel Level 01	Point	7.0	
Speakers S Parcel Level 01	Point	-3.5	
Speakers S Parcel Level 01	Point	-3.3	
Speakers N Parcel Level 03	Point	-3.4	
Speakers N Parcel Level 03	Point	14.6	
Speakers N Parcel Level 03	Point	14.2	
Speakers N Parcel Level 03	Point	15.0	
Speakers S Parcel Level 05	Point	34.9	
Speakers S Parcel Level 05	Point	35.6	
Speakers S Parcel Level 05	Point	36.1	
Speakers S Parcel Level 05	Point	22.0	
Speakers S Parcel Level 05	Point	6.5	
Speakers S Parcel Level 05	Point	3.5	
Speakers S Parcel Level 05	Point	8.4	
Speakers S Parcel Level 05	Point	25.6	
Speakers S Parcel Level 05	Point	26.9	
Speakers S Parcel Level 05	Point	29.4	
Speakers S Parcel Level 05	Point	31.7	
Speakers S Parcel Level 05	Point	38.5	
Speakers S Parcel Level 05	Point	38.7	
Speakers S Parcel Level 05	Point	26.0	
Speakers S Parcel Level 05	Point	45.1	
Speakers N Parcel Level 06	Point	17.3	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 06	Point	18.0	
Speakers N Parcel Level 06	Point	18.6	
Speakers N Parcel Level 06	Point	18.7	
Speakers N Parcel Level 14	Point	20.1	
Speakers N Parcel Level 14	Point	20.3	
Speakers N Parcel Level 14	Point	11.8	
Speakers S Parcel Level 22	Point	32.5	
Speakers S Parcel Level 22	Point	33.2	
Speakers S Parcel Level 22	Point	32.9	
Speakers S Parcel Level 22	Point	9.0	
Speakers S Parcel Level 26	Point	28.0	
Speakers S Parcel Level 26	Point	29.4	
Speakers S Parcel Level 26	Point	30.7	
Speakers S Parcel Level 26	Point	30.9	
Speakers S Parcel Level 26	Point	20.2	
Speakers S Parcel Level P3	Point	5.4	
Speakers S Parcel Level P3	Point	6.9	
Speakers S Parcel Level P3	Point	16.9	
Speakers S Parcel Level P3	Point	19.8	
Receiver R1 FI F2 Leq,d 55.1 dB(A)			
Speakers N Parcel Level 01	Point	-5.8	
Speakers N Parcel Level 01	Point	-11.1	
Speakers N Parcel Level 01	Point	-11.9	
Speakers N Parcel Level 01	Point	-12.2	
Speakers N Parcel Level 01	Point	-12.5	
Speakers N Parcel Level 01	Point	-12.8	
Speakers N Parcel Level 01	Point	-12.8	
Speakers N Parcel Level 01	Point	-10.5	
Speakers N Parcel Level 01	Point	2.6	
Speakers N Parcel Level 01	Point	4.1	
Speakers N Parcel Level 01	Point	-12.5	
Speakers N Parcel Level 01	Point	-12.8	
Speakers N Parcel Level 01	Point	-12.7	
Speakers N Parcel Level 01	Point	-12.5	
Speakers N Parcel Level 01	Point	10.4	
Speakers N Parcel Level 01	Point	-0.6	
Speakers N Parcel Level 01	Point	-11.8	
Speakers N Parcel Level 01	Point	-12.9	
Speakers N Parcel Level 01	Point	-13.7	
Speakers N Parcel Level 01	Point	-14.9	
Speakers N Parcel Level 01	Point	-16.3	
Speakers N Parcel Level 01	Point	-15.6	
Speakers N Parcel Level 01	Point	-15.0	

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**Buena Vista
Calculated Noise Levels - 02e Speakers**

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	-8.4	
Speakers N Parcel Level 01	Point	-6.8	
Speakers N Parcel Level 01	Point	-12.3	
Speakers N Parcel Level 01	Point	-15.4	
Speakers N Parcel Level 01	Point	-16.4	
Speakers N Parcel Level 01	Point	-16.5	
Speakers N Parcel Level 01	Point	-16.6	
Speakers N Parcel Level 01	Point	-16.6	
Speakers N Parcel Level 01	Point	-16.8	
Speakers N Parcel Level 01	Point	-15.8	
Speakers S Parcel Level 01	Point	4.9	
Speakers S Parcel Level 01	Point	8.7	
Speakers S Parcel Level 01	Point	31.0	
Speakers S Parcel Level 01	Point	30.4	
Speakers S Parcel Level 01	Point	29.8	
Speakers S Parcel Level 01	Point	32.6	
Speakers S Parcel Level 01	Point	33.5	
Speakers S Parcel Level 01	Point	31.3	
Speakers S Parcel Level 01	Point	31.8	
Speakers S Parcel Level 01	Point	33.4	
Speakers S Parcel Level 01	Point	34.0	
Speakers S Parcel Level 01	Point	34.7	
Speakers S Parcel Level 01	Point	35.5	
Speakers S Parcel Level 01	Point	36.5	
Speakers S Parcel Level 01	Point	37.3	
Speakers S Parcel Level 01	Point	32.3	
Speakers S Parcel Level 01	Point	38.5	
Speakers S Parcel Level 01	Point	39.5	
Speakers S Parcel Level 01	Point	40.4	
Speakers S Parcel Level 01	Point	41.2	
Speakers S Parcel Level 01	Point	41.7	
Speakers S Parcel Level 01	Point	41.3	
Speakers S Parcel Level 01	Point	41.2	
Speakers S Parcel Level 01	Point	41.1	
Speakers S Parcel Level 01	Point	40.4	
Speakers S Parcel Level 01	Point	39.5	
Speakers S Parcel Level 01	Point	38.7	
Speakers S Parcel Level 01	Point	-61.9	
Speakers S Parcel Level 01	Point	37.5	
Speakers S Parcel Level 01	Point	38.8	
Speakers S Parcel Level 01	Point	10.6	
Speakers S Parcel Level 01	Point	6.1	
Speakers S Parcel Level 01	Point	7.0	
Speakers N Parcel Level 03	Point	7.9	

Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 03	Point	20.3	
Speakers N Parcel Level 03	Point	20.1	
Speakers N Parcel Level 03	Point	22.0	
Speakers S Parcel Level 05	Point	39.2	
Speakers S Parcel Level 05	Point	39.7	
Speakers S Parcel Level 05	Point	40.4	
Speakers S Parcel Level 05	Point	28.0	
Speakers S Parcel Level 05	Point	9.8	
Speakers S Parcel Level 05	Point	9.8	
Speakers S Parcel Level 05	Point	11.6	
Speakers S Parcel Level 05	Point	30.4	
Speakers S Parcel Level 05	Point	31.7	
Speakers S Parcel Level 05	Point	32.7	
Speakers S Parcel Level 05	Point	35.8	
Speakers S Parcel Level 05	Point	43.6	
Speakers S Parcel Level 05	Point	44.3	
Speakers S Parcel Level 05	Point	30.5	
Speakers S Parcel Level 05	Point	46.0	
Speakers N Parcel Level 06	Point	20.7	
Speakers N Parcel Level 06	Point	20.9	
Speakers N Parcel Level 06	Point	21.4	
Speakers N Parcel Level 06	Point	22.6	
Speakers N Parcel Level 14	Point	20.9	
Speakers N Parcel Level 14	Point	23.4	
Speakers N Parcel Level 14	Point	17.5	
Speakers S Parcel Level 22	Point	36.4	
Speakers S Parcel Level 22	Point	37.0	
Speakers S Parcel Level 22	Point	36.6	
Speakers S Parcel Level 22	Point	10.6	
Speakers S Parcel Level 26	Point	31.1	
Speakers S Parcel Level 26	Point	33.1	
Speakers S Parcel Level 26	Point	34.6	
Speakers S Parcel Level 26	Point	34.8	
Speakers S Parcel Level 26	Point	22.9	
Speakers S Parcel Level P3	Point	7.8	
Speakers S Parcel Level P3	Point	9.3	
Speakers S Parcel Level P3	Point	18.8	
Speakers S Parcel Level P3	Point	23.7	
Receiver R2 FI G Leq,d 38.2 dB(A)			
Speakers N Parcel Level 01	Point	-14.2	
Speakers N Parcel Level 01	Point	-13.4	
Speakers N Parcel Level 01	Point	-14.4	
Speakers N Parcel Level 01	Point	-14.5	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	-14.5	
Speakers N Parcel Level 01	Point	-14.6	
Speakers N Parcel Level 01	Point	-13.0	
Speakers N Parcel Level 01	Point	-10.5	
Speakers N Parcel Level 01	Point	-9.9	
Speakers N Parcel Level 01	Point	-9.1	
Speakers N Parcel Level 01	Point	-15.0	
Speakers N Parcel Level 01	Point	-15.2	
Speakers N Parcel Level 01	Point	-15.3	
Speakers N Parcel Level 01	Point	-15.5	
Speakers N Parcel Level 01	Point	-15.1	
Speakers N Parcel Level 01	Point	-15.1	
Speakers N Parcel Level 01	Point	-16.2	
Speakers N Parcel Level 01	Point	-16.3	
Speakers N Parcel Level 01	Point	-16.4	
Speakers N Parcel Level 01	Point	-8.0	
Speakers N Parcel Level 01	Point	-17.5	
Speakers N Parcel Level 01	Point	-16.1	
Speakers N Parcel Level 01	Point	-14.3	
Speakers N Parcel Level 01	Point	-12.8	
Speakers N Parcel Level 01	Point	-12.2	
Speakers N Parcel Level 01	Point	-14.2	
Speakers N Parcel Level 01	Point	-16.3	
Speakers N Parcel Level 01	Point	-16.8	
Speakers N Parcel Level 01	Point	-16.9	
Speakers N Parcel Level 01	Point	-17.0	
Speakers N Parcel Level 01	Point	-17.0	
Speakers N Parcel Level 01	Point	-17.0	
Speakers N Parcel Level 01	Point	-16.9	
Speakers S Parcel Level 01	Point	-6.3	
Speakers S Parcel Level 01	Point	-6.6	
Speakers S Parcel Level 01	Point	-2.2	
Speakers S Parcel Level 01	Point	-2.5	
Speakers S Parcel Level 01	Point	-2.9	
Speakers S Parcel Level 01	Point	-1.6	
Speakers S Parcel Level 01	Point	0.4	
Speakers S Parcel Level 01	Point	-3.1	
Speakers S Parcel Level 01	Point	-2.5	
Speakers S Parcel Level 01	Point	-2.7	
Speakers S Parcel Level 01	Point	-2.4	
Speakers S Parcel Level 01	Point	-2.1	
Speakers S Parcel Level 01	Point	-1.8	
Speakers S Parcel Level 01	Point	-25.7	
Speakers S Parcel Level 01	Point	-0.8	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	-2.1	
Speakers S Parcel Level 01	Point	0.3	
Speakers S Parcel Level 01	Point	0.8	
Speakers S Parcel Level 01	Point	1.2	
Speakers S Parcel Level 01	Point	0.7	
Speakers S Parcel Level 01	Point	1.4	
Speakers S Parcel Level 01	Point		
Speakers S Parcel Level 01	Point	2.0	
Speakers S Parcel Level 01	Point	2.0	
Speakers S Parcel Level 01	Point	3.4	
Speakers S Parcel Level 01	Point	6.5	
Speakers S Parcel Level 01	Point	8.3	
Speakers S Parcel Level 01	Point	5.8	
Speakers S Parcel Level 01	Point	4.8	
Speakers S Parcel Level 01	Point		
Speakers S Parcel Level 01	Point	7.0	
Speakers S Parcel Level 01	Point	22.9	
Speakers S Parcel Level 01	Point	23.3	
Speakers N Parcel Level 03	Point	-5.8	
Speakers N Parcel Level 03	Point	0.4	
Speakers N Parcel Level 03	Point	6.4	
Speakers N Parcel Level 03	Point	8.7	
Speakers S Parcel Level 05	Point	16.4	
Speakers S Parcel Level 05	Point	17.4	
Speakers S Parcel Level 05	Point	21.1	
Speakers S Parcel Level 05	Point	20.1	
Speakers S Parcel Level 05	Point	-1.1	
Speakers S Parcel Level 05	Point	-0.9	
Speakers S Parcel Level 05	Point	-1.1	
Speakers S Parcel Level 05	Point	7.7	
Speakers S Parcel Level 05	Point	29.7	
Speakers S Parcel Level 05	Point	5.9	
Speakers S Parcel Level 05	Point	34.0	
Speakers S Parcel Level 05	Point	13.8	
Speakers S Parcel Level 05	Point	14.7	
Speakers S Parcel Level 05	Point	21.1	
Speakers S Parcel Level 05	Point	6.8	
Speakers N Parcel Level 06	Point	13.2	
Speakers N Parcel Level 06	Point	13.3	
Speakers N Parcel Level 06	Point	13.8	
Speakers N Parcel Level 06	Point	12.7	
Speakers N Parcel Level 14	Point	16.4	
Speakers N Parcel Level 14	Point	16.5	
Speakers N Parcel Level 14	Point	9.1	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 22	Point	29.3	
Speakers S Parcel Level 22	Point	25.3	
Speakers S Parcel Level 22	Point	23.8	
Speakers S Parcel Level 22	Point	5.2	
Speakers S Parcel Level 26	Point	13.6	
Speakers S Parcel Level 26	Point	11.0	
Speakers S Parcel Level 26	Point	10.4	
Speakers S Parcel Level 26	Point	10.5	
Speakers S Parcel Level 26	Point	8.6	
Speakers S Parcel Level P3	Point	24.5	
Speakers S Parcel Level P3	Point	22.7	
Speakers S Parcel Level P3	Point	15.5	
Speakers S Parcel Level P3	Point	14.8	
Receiver R2 FI F2 Leq,d 42.3 dB(A)			
Speakers N Parcel Level 01	Point	-15.2	
Speakers N Parcel Level 01	Point	-12.4	
Speakers N Parcel Level 01	Point	-15.4	
Speakers N Parcel Level 01	Point	-15.5	
Speakers N Parcel Level 01	Point	-15.6	
Speakers N Parcel Level 01	Point	-15.7	
Speakers N Parcel Level 01	Point	-14.6	
Speakers N Parcel Level 01	Point	-6.3	
Speakers N Parcel Level 01	Point	-5.9	
Speakers N Parcel Level 01	Point	-5.3	
Speakers N Parcel Level 01	Point	-14.5	
Speakers N Parcel Level 01	Point	-14.8	
Speakers N Parcel Level 01	Point	-15.2	
Speakers N Parcel Level 01	Point	-15.4	
Speakers N Parcel Level 01	Point	-14.9	
Speakers N Parcel Level 01	Point	-14.8	
Speakers N Parcel Level 01	Point	-17.6	
Speakers N Parcel Level 01	Point	-17.7	
Speakers N Parcel Level 01	Point	-17.8	
Speakers N Parcel Level 01	Point	-11.5	
Speakers N Parcel Level 01	Point	-19.2	
Speakers N Parcel Level 01	Point	-18.1	
Speakers N Parcel Level 01	Point	-16.4	
Speakers N Parcel Level 01	Point	-14.8	
Speakers N Parcel Level 01	Point	-12.8	
Speakers N Parcel Level 01	Point	-15.9	
Speakers N Parcel Level 01	Point	-16.6	
Speakers N Parcel Level 01	Point	-18.7	
Speakers N Parcel Level 01	Point	-18.8	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	-18.9	
Speakers N Parcel Level 01	Point	-19.0	
Speakers N Parcel Level 01	Point	-19.2	
Speakers N Parcel Level 01	Point	-19.1	
Speakers S Parcel Level 01	Point	-7.2	
Speakers S Parcel Level 01	Point	-8.2	
Speakers S Parcel Level 01	Point	-3.9	
Speakers S Parcel Level 01	Point	-4.1	
Speakers S Parcel Level 01	Point	-4.2	
Speakers S Parcel Level 01	Point	-3.8	
Speakers S Parcel Level 01	Point	-2.4	
Speakers S Parcel Level 01	Point	-5.8	
Speakers S Parcel Level 01	Point	-5.6	
Speakers S Parcel Level 01	Point	-5.1	
Speakers S Parcel Level 01	Point	-4.8	
Speakers S Parcel Level 01	Point	-4.5	
Speakers S Parcel Level 01	Point	-4.2	
Speakers S Parcel Level 01	Point		
Speakers S Parcel Level 01	Point	-3.2	
Speakers S Parcel Level 01	Point	-5.3	
Speakers S Parcel Level 01	Point	-3.0	
Speakers S Parcel Level 01	Point	-2.6	
Speakers S Parcel Level 01	Point	-2.3	
Speakers S Parcel Level 01	Point	-1.9	
Speakers S Parcel Level 01	Point	-1.4	
Speakers S Parcel Level 01	Point		
Speakers S Parcel Level 01	Point	-0.1	
Speakers S Parcel Level 01	Point	-0.2	
Speakers S Parcel Level 01	Point	0.2	
Speakers S Parcel Level 01	Point	4.0	
Speakers S Parcel Level 01	Point	14.4	
Speakers S Parcel Level 01	Point	3.4	
Speakers S Parcel Level 01	Point	2.1	
Speakers S Parcel Level 01	Point	-15.7	
Speakers S Parcel Level 01	Point	7.8	
Speakers S Parcel Level 01	Point	25.5	
Speakers S Parcel Level 01	Point	28.0	
Speakers N Parcel Level 03	Point	-7.2	
Speakers N Parcel Level 03	Point	-4.1	
Speakers N Parcel Level 03	Point	10.9	
Speakers N Parcel Level 03	Point	12.7	
Speakers S Parcel Level 05	Point	18.9	
Speakers S Parcel Level 05	Point	18.8	
Speakers S Parcel Level 05	Point	23.6	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 05	Point	21.8	
Speakers S Parcel Level 05	Point	-2.2	
Speakers S Parcel Level 05	Point	-1.3	
Speakers S Parcel Level 05	Point	-2.5	
Speakers S Parcel Level 05	Point	8.7	
Speakers S Parcel Level 05	Point	18.9	
Speakers S Parcel Level 05	Point	7.4	
Speakers S Parcel Level 05	Point	38.4	
Speakers S Parcel Level 05	Point	20.1	
Speakers S Parcel Level 05	Point	14.9	
Speakers S Parcel Level 05	Point	22.3	
Speakers S Parcel Level 05	Point	7.9	
Speakers N Parcel Level 06	Point	13.1	
Speakers N Parcel Level 06	Point	13.2	
Speakers N Parcel Level 06	Point	13.7	
Speakers N Parcel Level 06	Point	12.7	
Speakers N Parcel Level 14	Point	17.1	
Speakers N Parcel Level 14	Point	17.2	
Speakers N Parcel Level 14	Point	10.2	
Speakers S Parcel Level 22	Point	27.8	
Speakers S Parcel Level 22	Point	25.2	
Speakers S Parcel Level 22	Point	24.0	
Speakers S Parcel Level 22	Point	5.9	
Speakers S Parcel Level 26	Point	15.8	
Speakers S Parcel Level 26	Point	11.2	
Speakers S Parcel Level 26	Point	9.7	
Speakers S Parcel Level 26	Point	9.5	
Speakers S Parcel Level 26	Point	8.3	
Speakers S Parcel Level P3	Point	36.6	
Speakers S Parcel Level P3	Point	31.9	
Speakers S Parcel Level P3	Point	25.9	
Speakers S Parcel Level P3	Point	22.3	
Receiver R3 FI G Leq,d 45.5 dB(A)			
Speakers N Parcel Level 01	Point	7.4	
Speakers N Parcel Level 01	Point	-0.3	
Speakers N Parcel Level 01	Point	-3.6	
Speakers N Parcel Level 01	Point	-4.6	
Speakers N Parcel Level 01	Point	-3.9	
Speakers N Parcel Level 01	Point	-6.6	
Speakers N Parcel Level 01	Point	-6.8	
Speakers N Parcel Level 01	Point	2.9	
Speakers N Parcel Level 01	Point	-3.7	
Speakers N Parcel Level 01	Point	-3.8	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	-1.2	
Speakers N Parcel Level 01	Point	-4.6	
Speakers N Parcel Level 01	Point	-6.1	
Speakers N Parcel Level 01	Point	-7.1	
Speakers N Parcel Level 01	Point	-7.9	
Speakers N Parcel Level 01	Point	-6.0	
Speakers N Parcel Level 01	Point	0.9	
Speakers N Parcel Level 01	Point	1.3	
Speakers N Parcel Level 01	Point	-4.3	
Speakers N Parcel Level 01	Point	-13.0	
Speakers N Parcel Level 01	Point	-17.0	
Speakers N Parcel Level 01	Point	-13.1	
Speakers N Parcel Level 01	Point	-10.7	
Speakers N Parcel Level 01	Point	-9.7	
Speakers N Parcel Level 01	Point	-13.3	
Speakers N Parcel Level 01	Point	-12.7	
Speakers N Parcel Level 01	Point	-14.4	
Speakers N Parcel Level 01	Point	-15.6	
Speakers N Parcel Level 01	Point	-15.8	
Speakers N Parcel Level 01	Point	-15.6	
Speakers N Parcel Level 01	Point	-16.2	
Speakers N Parcel Level 01	Point	-16.3	
Speakers N Parcel Level 01	Point	-17.1	
Speakers S Parcel Level 01	Point	5.6	
Speakers S Parcel Level 01	Point	1.5	
Speakers S Parcel Level 01	Point	4.2	
Speakers S Parcel Level 01	Point	6.0	
Speakers S Parcel Level 01	Point	8.7	
Speakers S Parcel Level 01	Point	1.3	
Speakers S Parcel Level 01	Point	1.6	
Speakers S Parcel Level 01	Point	1.3	
Speakers S Parcel Level 01	Point	19.7	
Speakers S Parcel Level 01	Point	4.6	
Speakers S Parcel Level 01	Point	3.4	
Speakers S Parcel Level 01	Point	3.5	
Speakers S Parcel Level 01	Point	3.4	
Speakers S Parcel Level 01	Point	3.8	
Speakers S Parcel Level 01	Point	3.7	
Speakers S Parcel Level 01	Point	7.6	
Speakers S Parcel Level 01	Point	3.7	
Speakers S Parcel Level 01	Point	5.1	
Speakers S Parcel Level 01	Point	1.6	
Speakers S Parcel Level 01	Point	5.1	
Speakers S Parcel Level 01	Point	7.5	

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**Buena Vista
Calculated Noise Levels - 02e Speakers**

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	2.9	
Speakers S Parcel Level 01	Point	2.4	
Speakers S Parcel Level 01	Point	1.5	
Speakers S Parcel Level 01	Point	1.1	
Speakers S Parcel Level 01	Point	0.7	
Speakers S Parcel Level 01	Point	0.9	
Speakers S Parcel Level 01	Point	0.7	
Speakers S Parcel Level 01	Point	-11.0	
Speakers S Parcel Level 01	Point	-21.1	
Speakers S Parcel Level 01	Point	40.6	
Speakers S Parcel Level 01	Point	29.6	
Speakers S Parcel Level 01	Point	29.3	
Speakers N Parcel Level 03	Point	7.4	
Speakers N Parcel Level 03	Point	9.0	
Speakers N Parcel Level 03	Point	10.3	
Speakers N Parcel Level 03	Point	11.4	
Speakers S Parcel Level 05	Point	7.0	
Speakers S Parcel Level 05	Point	7.6	
Speakers S Parcel Level 05	Point	32.3	
Speakers S Parcel Level 05	Point	33.7	
Speakers S Parcel Level 05	Point	8.1	
Speakers S Parcel Level 05	Point	9.6	
Speakers S Parcel Level 05	Point	7.5	
Speakers S Parcel Level 05	Point	40.5	
Speakers S Parcel Level 05	Point	33.3	
Speakers S Parcel Level 05	Point	30.8	
Speakers S Parcel Level 05	Point	18.2	
Speakers S Parcel Level 05	Point	6.2	
Speakers S Parcel Level 05	Point	6.5	
Speakers S Parcel Level 05	Point	5.4	
Speakers S Parcel Level 05	Point	6.4	
Speakers N Parcel Level 06	Point	14.8	
Speakers N Parcel Level 06	Point	15.2	
Speakers N Parcel Level 06	Point	18.0	
Speakers N Parcel Level 06	Point	16.6	
Speakers N Parcel Level 14	Point	18.0	
Speakers N Parcel Level 14	Point	19.8	
Speakers N Parcel Level 14	Point	12.6	
Speakers S Parcel Level 22	Point	11.7	
Speakers S Parcel Level 22	Point	11.0	
Speakers S Parcel Level 22	Point	10.5	
Speakers S Parcel Level 22	Point	7.2	
Speakers S Parcel Level 26	Point	10.4	
Speakers S Parcel Level 26	Point	10.5	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 26	Point	13.3	
Speakers S Parcel Level 26	Point	15.7	
Speakers S Parcel Level 26	Point	34.6	
Speakers S Parcel Level P3	Point	13.9	
Speakers S Parcel Level P3	Point	14.1	
Speakers S Parcel Level P3	Point	10.5	
Speakers S Parcel Level P3	Point	6.4	
Receiver R4 FI G Leq,d 54.2 dB(A)			
Speakers N Parcel Level 01	Point	-0.4	
Speakers N Parcel Level 01	Point	-7.3	
Speakers N Parcel Level 01	Point	-8.7	
Speakers N Parcel Level 01	Point	-9.3	
Speakers N Parcel Level 01	Point	-9.9	
Speakers N Parcel Level 01	Point	-10.3	
Speakers N Parcel Level 01	Point	-9.3	
Speakers N Parcel Level 01	Point	2.8	
Speakers N Parcel Level 01	Point	3.2	
Speakers N Parcel Level 01	Point	1.1	
Speakers N Parcel Level 01	Point	-9.7	
Speakers N Parcel Level 01	Point	-10.2	
Speakers N Parcel Level 01	Point	-10.7	
Speakers N Parcel Level 01	Point	-11.1	
Speakers N Parcel Level 01	Point	-10.7	
Speakers N Parcel Level 01	Point	-10.7	
Speakers N Parcel Level 01	Point	-14.4	
Speakers N Parcel Level 01	Point	-14.5	
Speakers N Parcel Level 01	Point	-14.6	
Speakers N Parcel Level 01	Point	-16.0	
Speakers N Parcel Level 01	Point	-15.9	
Speakers N Parcel Level 01	Point	-14.1	
Speakers N Parcel Level 01	Point	-11.2	
Speakers N Parcel Level 01	Point	-10.0	
Speakers N Parcel Level 01	Point	-7.5	
Speakers N Parcel Level 01	Point	-12.3	
Speakers N Parcel Level 01	Point	-14.4	
Speakers N Parcel Level 01	Point	-14.2	
Speakers N Parcel Level 01	Point	-15.5	
Speakers N Parcel Level 01	Point	-15.6	
Speakers N Parcel Level 01	Point	-15.7	
Speakers N Parcel Level 01	Point	-15.8	
Speakers N Parcel Level 01	Point	-15.8	
Speakers S Parcel Level 01	Point	7.6	
Speakers S Parcel Level 01	Point	9.6	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	34.3	
Speakers S Parcel Level 01	Point	39.5	
Speakers S Parcel Level 01	Point	37.5	
Speakers S Parcel Level 01	Point	37.5	
Speakers S Parcel Level 01	Point	41.7	
Speakers S Parcel Level 01	Point	51.8	
Speakers S Parcel Level 01	Point	38.5	
Speakers S Parcel Level 01	Point	41.7	
Speakers S Parcel Level 01	Point	39.0	
Speakers S Parcel Level 01	Point	36.5	
Speakers S Parcel Level 01	Point	35.8	
Speakers S Parcel Level 01	Point	31.2	
Speakers S Parcel Level 01	Point	30.3	
Speakers S Parcel Level 01	Point	38.1	
Speakers S Parcel Level 01	Point	29.2	
Speakers S Parcel Level 01	Point	28.2	
Speakers S Parcel Level 01	Point	27.2	
Speakers S Parcel Level 01	Point	30.5	
Speakers S Parcel Level 01	Point	29.8	
Speakers S Parcel Level 01	Point	27.2	
Speakers S Parcel Level 01	Point	27.3	
Speakers S Parcel Level 01	Point	27.2	
Speakers S Parcel Level 01	Point	26.6	
Speakers S Parcel Level 01	Point	26.0	
Speakers S Parcel Level 01	Point	25.6	
Speakers S Parcel Level 01	Point	7.0	
Speakers S Parcel Level 01	Point	16.5	
Speakers S Parcel Level 01	Point	13.8	
Speakers S Parcel Level 01	Point	7.9	
Speakers S Parcel Level 01	Point	20.4	
Speakers S Parcel Level 01	Point	18.3	
Speakers N Parcel Level 03	Point	-2.8	
Speakers N Parcel Level 03	Point	6.8	
Speakers N Parcel Level 03	Point	16.7	
Speakers N Parcel Level 03	Point	17.0	
Speakers S Parcel Level 05	Point	37.2	
Speakers S Parcel Level 05	Point	34.4	
Speakers S Parcel Level 05	Point	30.4	
Speakers S Parcel Level 05	Point	33.7	
Speakers S Parcel Level 05	Point	14.6	
Speakers S Parcel Level 05	Point	14.4	
Speakers S Parcel Level 05	Point	18.4	
Speakers S Parcel Level 05	Point	22.3	
Speakers S Parcel Level 05	Point	24.9	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 05	Point	27.5	
Speakers S Parcel Level 05	Point	33.6	
Speakers S Parcel Level 05	Point	23.3	
Speakers S Parcel Level 05	Point	9.0	
Speakers S Parcel Level 05	Point	4.3	
Speakers S Parcel Level 05	Point	28.8	
Speakers N Parcel Level 06	Point	18.4	
Speakers N Parcel Level 06	Point	17.6	
Speakers N Parcel Level 06	Point	19.2	
Speakers N Parcel Level 06	Point	19.5	
Speakers N Parcel Level 14	Point	20.3	
Speakers N Parcel Level 14	Point	21.6	
Speakers N Parcel Level 14	Point	16.0	
Speakers S Parcel Level 22	Point	27.2	
Speakers S Parcel Level 22	Point	27.8	
Speakers S Parcel Level 22	Point	27.8	
Speakers S Parcel Level 22	Point	21.2	
Speakers S Parcel Level 26	Point	12.1	
Speakers S Parcel Level 26	Point	12.9	
Speakers S Parcel Level 26	Point	20.5	
Speakers S Parcel Level 26	Point	22.1	
Speakers S Parcel Level 26	Point	30.9	
Speakers S Parcel Level P3	Point	-4.3	
Speakers S Parcel Level P3	Point	-4.2	
Speakers S Parcel Level P3	Point	-4.0	
Speakers S Parcel Level P3	Point	4.0	
Receiver R5 FI G Leq,d 43.4 dB(A)			
Speakers N Parcel Level 01	Point	-5.7	
Speakers N Parcel Level 01	Point	-11.0	
Speakers N Parcel Level 01	Point	-11.2	
Speakers N Parcel Level 01	Point	-11.2	
Speakers N Parcel Level 01	Point	-10.6	
Speakers N Parcel Level 01	Point	-10.2	
Speakers N Parcel Level 01	Point	-10.2	
Speakers N Parcel Level 01	Point	-7.6	
Speakers N Parcel Level 01	Point	-8.8	
Speakers N Parcel Level 01	Point	-9.0	
Speakers N Parcel Level 01	Point	-12.2	
Speakers N Parcel Level 01	Point	-12.3	
Speakers N Parcel Level 01	Point	-12.4	
Speakers N Parcel Level 01	Point	-12.5	
Speakers N Parcel Level 01	Point	-12.6	
Speakers N Parcel Level 01	Point	-12.7	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	-11.4	
Speakers N Parcel Level 01	Point	-11.4	
Speakers N Parcel Level 01	Point	-11.5	
Speakers N Parcel Level 01	Point	-14.1	
Speakers N Parcel Level 01	Point	-1.9	
Speakers N Parcel Level 01	Point	-12.0	
Speakers N Parcel Level 01	Point	-11.2	
Speakers N Parcel Level 01	Point	-14.1	
Speakers N Parcel Level 01	Point	-8.7	
Speakers N Parcel Level 01	Point	-11.9	
Speakers N Parcel Level 01	Point	-14.7	
Speakers N Parcel Level 01	Point	-14.8	
Speakers N Parcel Level 01	Point	-15.1	
Speakers N Parcel Level 01	Point	-15.3	
Speakers N Parcel Level 01	Point	-15.4	
Speakers N Parcel Level 01	Point	-15.3	
Speakers N Parcel Level 01	Point	-16.1	
Speakers S Parcel Level 01	Point	7.0	
Speakers S Parcel Level 01	Point	6.3	
Speakers S Parcel Level 01	Point	12.4	
Speakers S Parcel Level 01	Point	22.0	
Speakers S Parcel Level 01	Point	14.0	
Speakers S Parcel Level 01	Point	2.6	
Speakers S Parcel Level 01	Point	2.4	
Speakers S Parcel Level 01	Point	3.8	
Speakers S Parcel Level 01	Point	27.2	
Speakers S Parcel Level 01	Point	6.9	
Speakers S Parcel Level 01	Point	2.2	
Speakers S Parcel Level 01	Point	1.2	
Speakers S Parcel Level 01	Point	0.4	
Speakers S Parcel Level 01	Point	-0.2	
Speakers S Parcel Level 01	Point	-0.8	
Speakers S Parcel Level 01	Point	14.3	
Speakers S Parcel Level 01	Point	-1.0	
Speakers S Parcel Level 01	Point	0.3	
Speakers S Parcel Level 01	Point	0.0	
Speakers S Parcel Level 01	Point	-1.8	
Speakers S Parcel Level 01	Point	-0.4	
Speakers S Parcel Level 01	Point	-3.5	
Speakers S Parcel Level 01	Point	-16.5	
Speakers S Parcel Level 01	Point	-4.5	
Speakers S Parcel Level 01	Point	-4.8	
Speakers S Parcel Level 01	Point	-5.1	
Speakers S Parcel Level 01	Point	-5.4	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	-19.7	
Speakers S Parcel Level 01	Point	-7.0	
Speakers S Parcel Level 01	Point	-19.5	
Speakers S Parcel Level 01	Point	36.3	
Speakers S Parcel Level 01	Point	36.1	
Speakers S Parcel Level 01	Point	39.2	
Speakers N Parcel Level 03	Point	-3.2	
Speakers N Parcel Level 03	Point	-3.4	
Speakers N Parcel Level 03	Point	-2.8	
Speakers N Parcel Level 03	Point	-4.5	
Speakers S Parcel Level 05	Point	7.2	
Speakers S Parcel Level 05	Point	7.9	
Speakers S Parcel Level 05	Point	31.5	
Speakers S Parcel Level 05	Point	28.9	
Speakers S Parcel Level 05	Point	10.7	
Speakers S Parcel Level 05	Point	12.6	
Speakers S Parcel Level 05	Point	10.7	
Speakers S Parcel Level 05	Point	31.8	
Speakers S Parcel Level 05	Point	21.7	
Speakers S Parcel Level 05	Point	18.0	
Speakers S Parcel Level 05	Point	12.6	
Speakers S Parcel Level 05	Point	0.1	
Speakers S Parcel Level 05	Point	0.2	
Speakers S Parcel Level 05	Point	-0.8	
Speakers S Parcel Level 05	Point	0.4	
Speakers N Parcel Level 06	Point	5.2	
Speakers N Parcel Level 06	Point	5.0	
Speakers N Parcel Level 06	Point	6.7	
Speakers N Parcel Level 06	Point	5.7	
Speakers N Parcel Level 14	Point	10.9	
Speakers N Parcel Level 14	Point	11.0	
Speakers N Parcel Level 14	Point	7.4	
Speakers S Parcel Level 22	Point	26.2	
Speakers S Parcel Level 22	Point	10.4	
Speakers S Parcel Level 22	Point	10.4	
Speakers S Parcel Level 22	Point	14.4	
Speakers S Parcel Level 26	Point	4.9	
Speakers S Parcel Level 26	Point	4.9	
Speakers S Parcel Level 26	Point	5.4	
Speakers S Parcel Level 26	Point	5.7	
Speakers S Parcel Level 26	Point	17.9	
Speakers S Parcel Level P3	Point	-6.9	
Speakers S Parcel Level P3	Point	-6.9	
Speakers S Parcel Level P3	Point	-7.1	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level P3	Point	-7.2	
Receiver R6 FI G Leq,d 52.4 dB(A)			
Speakers N Parcel Level 01	Point	11.9	
Speakers N Parcel Level 01	Point	4.6	
Speakers N Parcel Level 01	Point	3.0	
Speakers N Parcel Level 01	Point	1.1	
Speakers N Parcel Level 01	Point	1.3	
Speakers N Parcel Level 01	Point	0.8	
Speakers N Parcel Level 01	Point	0.4	
Speakers N Parcel Level 01	Point	2.7	
Speakers N Parcel Level 01	Point	1.6	
Speakers N Parcel Level 01	Point	-0.8	
Speakers N Parcel Level 01	Point	3.3	
Speakers N Parcel Level 01	Point	0.7	
Speakers N Parcel Level 01	Point	-0.4	
Speakers N Parcel Level 01	Point	-1.2	
Speakers N Parcel Level 01	Point	-1.7	
Speakers N Parcel Level 01	Point	-2.0	
Speakers N Parcel Level 01	Point	3.2	
Speakers N Parcel Level 01	Point	3.3	
Speakers N Parcel Level 01	Point	3.4	
Speakers N Parcel Level 01	Point	-3.4	
Speakers N Parcel Level 01	Point	7.2	
Speakers N Parcel Level 01	Point	-5.6	
Speakers N Parcel Level 01	Point	-4.3	
Speakers N Parcel Level 01	Point	-8.9	
Speakers N Parcel Level 01	Point	-3.3	
Speakers N Parcel Level 01	Point	-5.9	
Speakers N Parcel Level 01	Point	-10.3	
Speakers N Parcel Level 01	Point	-10.5	
Speakers N Parcel Level 01	Point	-10.6	
Speakers N Parcel Level 01	Point	-10.7	
Speakers N Parcel Level 01	Point	-10.0	
Speakers N Parcel Level 01	Point	-10.7	
Speakers N Parcel Level 01	Point	-11.9	
Speakers S Parcel Level 01	Point	44.5	
Speakers S Parcel Level 01	Point	42.4	
Speakers S Parcel Level 01	Point	34.0	
Speakers S Parcel Level 01	Point	35.6	
Speakers S Parcel Level 01	Point	35.8	
Speakers S Parcel Level 01	Point	15.9	
Speakers S Parcel Level 01	Point	7.6	
Speakers S Parcel Level 01	Point	6.6	

Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	7.6	
Speakers S Parcel Level 01	Point	4.3	
Speakers S Parcel Level 01	Point	3.6	
Speakers S Parcel Level 01	Point	3.0	
Speakers S Parcel Level 01	Point	2.5	
Speakers S Parcel Level 01	Point	-10.1	
Speakers S Parcel Level 01	Point	-10.4	
Speakers S Parcel Level 01	Point	-5.8	
Speakers S Parcel Level 01	Point	0.9	
Speakers S Parcel Level 01	Point	0.9	
Speakers S Parcel Level 01	Point	0.0	
Speakers S Parcel Level 01	Point	-0.4	
Speakers S Parcel Level 01	Point	-0.8	
Speakers S Parcel Level 01	Point	-13.7	
Speakers S Parcel Level 01	Point	-13.7	
Speakers S Parcel Level 01	Point	-2.1	
Speakers S Parcel Level 01	Point	-2.4	
Speakers S Parcel Level 01	Point	-2.7	
Speakers S Parcel Level 01	Point	-3.0	
Speakers S Parcel Level 01	Point	-18.3	
Speakers S Parcel Level 01	Point	-3.0	
Speakers S Parcel Level 01	Point	-17.2	
Speakers S Parcel Level 01	Point	37.4	
Speakers S Parcel Level 01	Point	43.9	
Speakers S Parcel Level 01	Point	42.9	
Speakers N Parcel Level 03	Point	13.0	
Speakers N Parcel Level 03	Point	14.4	
Speakers N Parcel Level 03	Point	12.3	
Speakers N Parcel Level 03	Point	9.8	
Speakers S Parcel Level 05	Point	11.1	
Speakers S Parcel Level 05	Point	10.6	
Speakers S Parcel Level 05	Point	11.1	
Speakers S Parcel Level 05	Point	11.3	
Speakers S Parcel Level 05	Point	41.9	
Speakers S Parcel Level 05	Point	46.2	
Speakers S Parcel Level 05	Point	39.2	
Speakers S Parcel Level 05	Point	21.1	
Speakers S Parcel Level 05	Point	20.1	
Speakers S Parcel Level 05	Point	20.8	
Speakers S Parcel Level 05	Point	13.5	
Speakers S Parcel Level 05	Point	0.3	
Speakers S Parcel Level 05	Point	0.3	
Speakers S Parcel Level 05	Point	-1.9	
Speakers S Parcel Level 05	Point	3.0	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 06	Point	16.6	
Speakers N Parcel Level 06	Point	17.3	
Speakers N Parcel Level 06	Point	19.6	
Speakers N Parcel Level 06	Point	18.8	
Speakers N Parcel Level 14	Point	22.0	
Speakers N Parcel Level 14	Point	23.8	
Speakers N Parcel Level 14	Point	18.6	
Speakers S Parcel Level 22	Point	13.0	
Speakers S Parcel Level 22	Point	13.4	
Speakers S Parcel Level 22	Point	13.6	
Speakers S Parcel Level 22	Point	26.4	
Speakers S Parcel Level 26	Point	7.7	
Speakers S Parcel Level 26	Point	7.9	
Speakers S Parcel Level 26	Point	10.9	
Speakers S Parcel Level 26	Point	13.0	
Speakers S Parcel Level 26	Point	24.4	
Speakers S Parcel Level P3	Point	-7.8	
Speakers S Parcel Level P3	Point	-5.5	
Speakers S Parcel Level P3	Point	-8.1	
Speakers S Parcel Level P3	Point	-8.3	
Receiver R7 FI G Leq,d 46.3 dB(A)			
Speakers N Parcel Level 01	Point	2.6	
Speakers N Parcel Level 01	Point	-4.6	
Speakers N Parcel Level 01	Point	-4.8	
Speakers N Parcel Level 01	Point	-4.9	
Speakers N Parcel Level 01	Point	-5.1	
Speakers N Parcel Level 01	Point	-4.2	
Speakers N Parcel Level 01	Point	-4.3	
Speakers N Parcel Level 01	Point	-0.8	
Speakers N Parcel Level 01	Point	-2.6	
Speakers N Parcel Level 01	Point	-2.6	
Speakers N Parcel Level 01	Point	-5.6	
Speakers N Parcel Level 01	Point	-6.0	
Speakers N Parcel Level 01	Point	-6.0	
Speakers N Parcel Level 01	Point	-6.1	
Speakers N Parcel Level 01	Point	-6.3	
Speakers N Parcel Level 01	Point	-6.4	
Speakers N Parcel Level 01	Point	-3.1	
Speakers N Parcel Level 01	Point	-4.8	
Speakers N Parcel Level 01	Point	-5.4	
Speakers N Parcel Level 01	Point	-7.1	
Speakers N Parcel Level 01	Point	3.1	
Speakers N Parcel Level 01	Point	-9.2	

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**Buena Vista
Calculated Noise Levels - 02e Speakers**

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	-9.3	
Speakers N Parcel Level 01	Point	-5.3	
Speakers N Parcel Level 01	Point	-4.0	
Speakers N Parcel Level 01	Point	-9.3	
Speakers N Parcel Level 01	Point	-10.0	
Speakers N Parcel Level 01	Point	-10.1	
Speakers N Parcel Level 01	Point	-10.3	
Speakers N Parcel Level 01	Point	-10.4	
Speakers N Parcel Level 01	Point	-10.6	
Speakers N Parcel Level 01	Point	-10.7	
Speakers N Parcel Level 01	Point	-11.8	
Speakers S Parcel Level 01	Point	34.1	
Speakers S Parcel Level 01	Point	35.7	
Speakers S Parcel Level 01	Point	21.8	
Speakers S Parcel Level 01	Point	21.9	
Speakers S Parcel Level 01	Point	22.4	
Speakers S Parcel Level 01	Point	19.6	
Speakers S Parcel Level 01	Point	11.3	
Speakers S Parcel Level 01	Point	21.7	
Speakers S Parcel Level 01	Point	9.4	
Speakers S Parcel Level 01	Point	20.1	
Speakers S Parcel Level 01	Point	19.6	
Speakers S Parcel Level 01	Point	20.5	
Speakers S Parcel Level 01	Point	20.3	
Speakers S Parcel Level 01	Point	14.8	
Speakers S Parcel Level 01	Point	18.0	
Speakers S Parcel Level 01	Point	19.9	
Speakers S Parcel Level 01	Point	18.1	
Speakers S Parcel Level 01	Point	17.7	
Speakers S Parcel Level 01	Point	18.5	
Speakers S Parcel Level 01	Point	18.0	
Speakers S Parcel Level 01	Point	17.6	
Speakers S Parcel Level 01	Point	4.8	
Speakers S Parcel Level 01	Point	2.7	
Speakers S Parcel Level 01	Point	16.0	
Speakers S Parcel Level 01	Point	15.7	
Speakers S Parcel Level 01	Point	15.4	
Speakers S Parcel Level 01	Point	15.1	
Speakers S Parcel Level 01	Point	-14.5	
Speakers S Parcel Level 01	Point	6.1	
Speakers S Parcel Level 01	Point	-12.9	
Speakers S Parcel Level 01	Point	18.3	
Speakers S Parcel Level 01	Point	26.6	
Speakers S Parcel Level 01	Point	11.8	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 03	Point	0.1	
Speakers N Parcel Level 03	Point	1.6	
Speakers N Parcel Level 03	Point	0.0	
Speakers N Parcel Level 03	Point	1.1	
Speakers S Parcel Level 05	Point	9.8	
Speakers S Parcel Level 05	Point	22.4	
Speakers S Parcel Level 05	Point	2.8	
Speakers S Parcel Level 05	Point	2.3	
Speakers S Parcel Level 05	Point	38.9	
Speakers S Parcel Level 05	Point	38.7	
Speakers S Parcel Level 05	Point	39.0	
Speakers S Parcel Level 05	Point	16.0	
Speakers S Parcel Level 05	Point	16.0	
Speakers S Parcel Level 05	Point	18.2	
Speakers S Parcel Level 05	Point	27.7	
Speakers S Parcel Level 05	Point	2.8	
Speakers S Parcel Level 05	Point	-0.2	
Speakers S Parcel Level 05	Point	-1.0	
Speakers S Parcel Level 05	Point	19.6	
Speakers N Parcel Level 06	Point	9.5	
Speakers N Parcel Level 06	Point	10.4	
Speakers N Parcel Level 06	Point	11.9	
Speakers N Parcel Level 06	Point	11.2	
Speakers N Parcel Level 14	Point	14.1	
Speakers N Parcel Level 14	Point	14.7	
Speakers N Parcel Level 14	Point	11.6	
Speakers S Parcel Level 22	Point	8.8	
Speakers S Parcel Level 22	Point	9.6	
Speakers S Parcel Level 22	Point	22.3	
Speakers S Parcel Level 22	Point	37.7	
Speakers S Parcel Level 26	Point	5.2	
Speakers S Parcel Level 26	Point	6.9	
Speakers S Parcel Level 26	Point	22.0	
Speakers S Parcel Level 26	Point	23.0	
Speakers S Parcel Level 26	Point	34.7	
Speakers S Parcel Level P3	Point	-11.0	
Speakers S Parcel Level P3	Point	-10.4	
Speakers S Parcel Level P3	Point	-9.3	
Speakers S Parcel Level P3	Point	0.4	
Receiver R8 FI G Leq,d 46.0 dB(A)			
Speakers N Parcel Level 01	Point	32.5	
Speakers N Parcel Level 01	Point	32.7	
Speakers N Parcel Level 01	Point	32.7	

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**Buena Vista
Calculated Noise Levels - 02e Speakers**

Source	Source type	Leq,d dB(A)
Speakers N Parcel Level 01	Point	32.3
Speakers N Parcel Level 01	Point	31.5
Speakers N Parcel Level 01	Point	30.8
Speakers N Parcel Level 01	Point	30.3
Speakers N Parcel Level 01	Point	18.4
Speakers N Parcel Level 01	Point	19.9
Speakers N Parcel Level 01	Point	21.4
Speakers N Parcel Level 01	Point	18.2
Speakers N Parcel Level 01	Point	15.8
Speakers N Parcel Level 01	Point	14.5
Speakers N Parcel Level 01	Point	13.5
Speakers N Parcel Level 01	Point	12.8
Speakers N Parcel Level 01	Point	12.8
Speakers N Parcel Level 01	Point	19.3
Speakers N Parcel Level 01	Point	19.3
Speakers N Parcel Level 01	Point	19.8
Speakers N Parcel Level 01	Point	17.2
Speakers N Parcel Level 01	Point	-0.9
Speakers N Parcel Level 01	Point	4.4
Speakers N Parcel Level 01	Point	2.7
Speakers N Parcel Level 01	Point	3.6
Speakers N Parcel Level 01	Point	4.5
Speakers N Parcel Level 01	Point	16.0
Speakers N Parcel Level 01	Point	16.1
Speakers N Parcel Level 01	Point	17.1
Speakers N Parcel Level 01	Point	16.2
Speakers N Parcel Level 01	Point	17.5
Speakers N Parcel Level 01	Point	15.9
Speakers N Parcel Level 01	Point	17.4
Speakers N Parcel Level 01	Point	2.2
Speakers S Parcel Level 01	Point	30.5
Speakers S Parcel Level 01	Point	31.0
Speakers S Parcel Level 01	Point	18.0
Speakers S Parcel Level 01	Point	17.5
Speakers S Parcel Level 01	Point	17.4
Speakers S Parcel Level 01	Point	18.1
Speakers S Parcel Level 01	Point	15.2
Speakers S Parcel Level 01	Point	18.5
Speakers S Parcel Level 01	Point	18.0
Speakers S Parcel Level 01	Point	19.6
Speakers S Parcel Level 01	Point	20.1
Speakers S Parcel Level 01	Point	20.3
Speakers S Parcel Level 01	Point	19.7
Speakers S Parcel Level 01	Point	15.8

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	21.7	
Speakers S Parcel Level 01	Point	17.8	
Speakers S Parcel Level 01	Point	17.7	
Speakers S Parcel Level 01	Point	17.9	
Speakers S Parcel Level 01	Point	17.7	
Speakers S Parcel Level 01	Point	17.4	
Speakers S Parcel Level 01	Point	17.2	
Speakers S Parcel Level 01	Point	7.0	
Speakers S Parcel Level 01	Point	17.7	
Speakers S Parcel Level 01	Point	15.6	
Speakers S Parcel Level 01	Point	16.4	
Speakers S Parcel Level 01	Point	15.1	
Speakers S Parcel Level 01	Point	14.9	
Speakers S Parcel Level 01	Point	-17.4	
Speakers S Parcel Level 01	Point	0.9	
Speakers S Parcel Level 01	Point	-14.1	
Speakers S Parcel Level 01	Point	13.3	
Speakers S Parcel Level 01	Point	15.5	
Speakers S Parcel Level 01	Point	7.8	
Speakers N Parcel Level 03	Point	7.2	
Speakers N Parcel Level 03	Point	8.6	
Speakers N Parcel Level 03	Point	6.1	
Speakers N Parcel Level 03	Point	7.6	
Speakers S Parcel Level 05	Point	13.2	
Speakers S Parcel Level 05	Point	11.2	
Speakers S Parcel Level 05	Point	22.7	
Speakers S Parcel Level 05	Point	24.6	
Speakers S Parcel Level 05	Point	35.9	
Speakers S Parcel Level 05	Point	35.4	
Speakers S Parcel Level 05	Point	36.1	
Speakers S Parcel Level 05	Point	14.1	
Speakers S Parcel Level 05	Point	11.2	
Speakers S Parcel Level 05	Point	18.0	
Speakers S Parcel Level 05	Point	28.1	
Speakers S Parcel Level 05	Point	10.5	
Speakers S Parcel Level 05	Point	2.1	
Speakers S Parcel Level 05	Point	-3.0	
Speakers S Parcel Level 05	Point	21.7	
Speakers N Parcel Level 06	Point	18.0	
Speakers N Parcel Level 06	Point	25.4	
Speakers N Parcel Level 06	Point	28.5	
Speakers N Parcel Level 06	Point	28.4	
Speakers N Parcel Level 14	Point	10.2	
Speakers N Parcel Level 14	Point	26.1	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 14	Point	24.4	
Speakers S Parcel Level 22	Point	5.3	
Speakers S Parcel Level 22	Point	21.9	
Speakers S Parcel Level 22	Point	22.6	
Speakers S Parcel Level 22	Point	37.4	
Speakers S Parcel Level 26	Point	5.9	
Speakers S Parcel Level 26	Point	22.5	
Speakers S Parcel Level 26	Point	23.7	
Speakers S Parcel Level 26	Point	23.0	
Speakers S Parcel Level 26	Point	32.4	
Speakers S Parcel Level P3	Point	-12.0	
Speakers S Parcel Level P3	Point	-11.9	
Speakers S Parcel Level P3	Point	-10.9	
Speakers S Parcel Level P3	Point	-0.2	
Receiver R9 FI G Leq,d 49.5 dB(A)			
Speakers N Parcel Level 01	Point	22.0	
Speakers N Parcel Level 01	Point	22.0	
Speakers N Parcel Level 01	Point	23.8	
Speakers N Parcel Level 01	Point	23.9	
Speakers N Parcel Level 01	Point	25.9	
Speakers N Parcel Level 01	Point	29.1	
Speakers N Parcel Level 01	Point	35.7	
Speakers N Parcel Level 01	Point	40.6	
Speakers N Parcel Level 01	Point	41.6	
Speakers N Parcel Level 01	Point	44.5	
Speakers N Parcel Level 01	Point	38.5	
Speakers N Parcel Level 01	Point	37.8	
Speakers N Parcel Level 01	Point	36.1	
Speakers N Parcel Level 01	Point	29.0	
Speakers N Parcel Level 01	Point	30.8	
Speakers N Parcel Level 01	Point	29.7	
Speakers N Parcel Level 01	Point	22.1	
Speakers N Parcel Level 01	Point	27.2	
Speakers N Parcel Level 01	Point	22.5	
Speakers N Parcel Level 01	Point	11.3	
Speakers N Parcel Level 01	Point	4.0	
Speakers N Parcel Level 01	Point	18.2	
Speakers N Parcel Level 01	Point	22.7	
Speakers N Parcel Level 01	Point	19.3	
Speakers N Parcel Level 01	Point	21.6	
Speakers N Parcel Level 01	Point	17.5	
Speakers N Parcel Level 01	Point	14.1	
Speakers N Parcel Level 01	Point	13.2	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	12.6	
Speakers N Parcel Level 01	Point	11.8	
Speakers N Parcel Level 01	Point	11.4	
Speakers N Parcel Level 01	Point	11.2	
Speakers N Parcel Level 01	Point	-1.6	
Speakers S Parcel Level 01	Point	19.0	
Speakers S Parcel Level 01	Point	19.1	
Speakers S Parcel Level 01	Point	7.1	
Speakers S Parcel Level 01	Point	6.6	
Speakers S Parcel Level 01	Point	6.3	
Speakers S Parcel Level 01	Point	7.6	
Speakers S Parcel Level 01	Point	5.6	
Speakers S Parcel Level 01	Point	10.0	
Speakers S Parcel Level 01	Point	9.5	
Speakers S Parcel Level 01	Point	9.9	
Speakers S Parcel Level 01	Point	10.3	
Speakers S Parcel Level 01	Point	10.0	
Speakers S Parcel Level 01	Point	9.6	
Speakers S Parcel Level 01	Point	1.5	
Speakers S Parcel Level 01	Point	11.9	
Speakers S Parcel Level 01	Point	10.3	
Speakers S Parcel Level 01	Point	10.0	
Speakers S Parcel Level 01	Point	10.3	
Speakers S Parcel Level 01	Point	9.9	
Speakers S Parcel Level 01	Point	9.8	
Speakers S Parcel Level 01	Point	9.6	
Speakers S Parcel Level 01	Point	-4.9	
Speakers S Parcel Level 01	Point	9.9	
Speakers S Parcel Level 01	Point	8.4	
Speakers S Parcel Level 01	Point	9.0	
Speakers S Parcel Level 01	Point	8.3	
Speakers S Parcel Level 01	Point	7.1	
Speakers S Parcel Level 01	Point		
Speakers S Parcel Level 01	Point		
Speakers S Parcel Level 01	Point	2.1	
Speakers S Parcel Level 01	Point	2.8	
Speakers S Parcel Level 01	Point	2.0	
Speakers N Parcel Level 03	Point	6.8	
Speakers N Parcel Level 03	Point	16.5	
Speakers N Parcel Level 03	Point	17.2	
Speakers N Parcel Level 03	Point	17.2	
Speakers S Parcel Level 05	Point	9.2	
Speakers S Parcel Level 05	Point	7.1	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 05	Point	16.0	
Speakers S Parcel Level 05	Point	19.4	
Speakers S Parcel Level 05	Point	26.1	
Speakers S Parcel Level 05	Point	26.1	
Speakers S Parcel Level 05	Point	26.1	
Speakers S Parcel Level 05	Point	7.3	
Speakers S Parcel Level 05	Point	4.7	
Speakers S Parcel Level 05	Point	6.5	
Speakers S Parcel Level 05	Point	22.1	
Speakers S Parcel Level 05	Point	10.7	
Speakers S Parcel Level 05	Point	-4.2	
Speakers S Parcel Level 05	Point	-10.2	
Speakers S Parcel Level 05	Point	15.7	
Speakers N Parcel Level 06	Point	9.8	
Speakers N Parcel Level 06	Point	9.8	
Speakers N Parcel Level 06	Point	11.6	
Speakers N Parcel Level 06	Point	12.4	
Speakers N Parcel Level 14	Point	7.9	
Speakers N Parcel Level 14	Point	9.1	
Speakers N Parcel Level 14	Point	28.9	
Speakers S Parcel Level 22	Point	1.2	
Speakers S Parcel Level 22	Point	19.4	
Speakers S Parcel Level 22	Point	20.4	
Speakers S Parcel Level 22	Point	35.0	
Speakers S Parcel Level 26	Point	1.3	
Speakers S Parcel Level 26	Point	20.1	
Speakers S Parcel Level 26	Point	21.6	
Speakers S Parcel Level 26	Point	21.5	
Speakers S Parcel Level 26	Point	29.1	
Speakers S Parcel Level P3	Point	-15.8	
Speakers S Parcel Level P3	Point	-5.6	
Speakers S Parcel Level P3	Point	-8.1	
Speakers S Parcel Level P3	Point	-6.1	
Receiver R10 FI G Leq,d 62.5 dB(A)			
Speakers N Parcel Level 01	Point	31.0	
Speakers N Parcel Level 01	Point	33.1	
Speakers N Parcel Level 01	Point	33.8	
Speakers N Parcel Level 01	Point	34.1	
Speakers N Parcel Level 01	Point	34.1	
Speakers N Parcel Level 01	Point	29.9	
Speakers N Parcel Level 01	Point	27.2	
Speakers N Parcel Level 01	Point	23.9	
Speakers N Parcel Level 01	Point	23.4	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)
Speakers N Parcel Level 01	Point	24.6
Speakers N Parcel Level 01	Point	40.0
Speakers N Parcel Level 01	Point	42.0
Speakers N Parcel Level 01	Point	43.4
Speakers N Parcel Level 01	Point	48.2
Speakers N Parcel Level 01	Point	51.2
Speakers N Parcel Level 01	Point	53.6
Speakers N Parcel Level 01	Point	55.5
Speakers N Parcel Level 01	Point	56.5
Speakers N Parcel Level 01	Point	54.6
Speakers N Parcel Level 01	Point	36.3
Speakers N Parcel Level 01	Point	26.4
Speakers N Parcel Level 01	Point	48.1
Speakers N Parcel Level 01	Point	46.5
Speakers N Parcel Level 01	Point	44.5
Speakers N Parcel Level 01	Point	43.5
Speakers N Parcel Level 01	Point	40.2
Speakers N Parcel Level 01	Point	39.0
Speakers N Parcel Level 01	Point	37.7
Speakers N Parcel Level 01	Point	36.3
Speakers N Parcel Level 01	Point	35.2
Speakers N Parcel Level 01	Point	34.1
Speakers N Parcel Level 01	Point	33.3
Speakers N Parcel Level 01	Point	18.3
Speakers S Parcel Level 01	Point	23.2
Speakers S Parcel Level 01	Point	23.0
Speakers S Parcel Level 01	Point	11.8
Speakers S Parcel Level 01	Point	11.3
Speakers S Parcel Level 01	Point	11.2
Speakers S Parcel Level 01	Point	12.0
Speakers S Parcel Level 01	Point	8.8
Speakers S Parcel Level 01	Point	11.9
Speakers S Parcel Level 01	Point	11.9
Speakers S Parcel Level 01	Point	10.9
Speakers S Parcel Level 01	Point	11.4
Speakers S Parcel Level 01	Point	11.2
Speakers S Parcel Level 01	Point	11.1
Speakers S Parcel Level 01	Point	2.6
Speakers S Parcel Level 01	Point	13.5
Speakers S Parcel Level 01	Point	12.1
Speakers S Parcel Level 01	Point	10.7
Speakers S Parcel Level 01	Point	9.4
Speakers S Parcel Level 01	Point	9.3
Speakers S Parcel Level 01	Point	3.4

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	1.9	
Speakers S Parcel Level 01	Point	-17.3	
Speakers S Parcel Level 01	Point	0.0	
Speakers S Parcel Level 01	Point	-0.1	
Speakers S Parcel Level 01	Point	1.5	
Speakers S Parcel Level 01	Point	0.8	
Speakers S Parcel Level 01	Point	0.6	
Speakers S Parcel Level 01	Point	-36.5	
Speakers S Parcel Level 01	Point	-25.4	
Speakers S Parcel Level 01	Point	-31.2	
Speakers S Parcel Level 01	Point	-1.3	
Speakers S Parcel Level 01	Point	2.9	
Speakers S Parcel Level 01	Point	-0.1	
Speakers N Parcel Level 03	Point	34.0	
Speakers N Parcel Level 03	Point	35.4	
Speakers N Parcel Level 03	Point	33.7	
Speakers N Parcel Level 03	Point	31.9	
Speakers S Parcel Level 05	Point	13.3	
Speakers S Parcel Level 05	Point	13.2	
Speakers S Parcel Level 05	Point	11.9	
Speakers S Parcel Level 05	Point	19.0	
Speakers S Parcel Level 05	Point	28.0	
Speakers S Parcel Level 05	Point	28.0	
Speakers S Parcel Level 05	Point	28.0	
Speakers S Parcel Level 05	Point	3.0	
Speakers S Parcel Level 05	Point	0.0	
Speakers S Parcel Level 05	Point	0.8	
Speakers S Parcel Level 05	Point	12.0	
Speakers S Parcel Level 05	Point	7.3	
Speakers S Parcel Level 05	Point	-7.5	
Speakers S Parcel Level 05	Point	-13.0	
Speakers S Parcel Level 05	Point	8.8	
Speakers N Parcel Level 06	Point	15.8	
Speakers N Parcel Level 06	Point	14.7	
Speakers N Parcel Level 06	Point	15.6	
Speakers N Parcel Level 06	Point	16.1	
Speakers N Parcel Level 14	Point	12.2	
Speakers N Parcel Level 14	Point	13.0	
Speakers N Parcel Level 14	Point	30.4	
Speakers S Parcel Level 22	Point	2.0	
Speakers S Parcel Level 22	Point	17.1	
Speakers S Parcel Level 22	Point	17.3	
Speakers S Parcel Level 22	Point	32.4	
Speakers S Parcel Level 26	Point	-1.5	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 26	Point	10.0	
Speakers S Parcel Level 26	Point	11.0	
Speakers S Parcel Level 26	Point	19.4	
Speakers S Parcel Level 26	Point	25.6	
Speakers S Parcel Level P3	Point	-18.6	
Speakers S Parcel Level P3	Point	-11.6	
Speakers S Parcel Level P3	Point	-11.0	
Speakers S Parcel Level P3	Point	-5.6	
Receiver R11 FI G Leq,d 53.9 dB(A)			
Speakers N Parcel Level 01	Point	-9.9	
Speakers N Parcel Level 01	Point	-9.9	
Speakers N Parcel Level 01	Point	-14.0	
Speakers N Parcel Level 01	Point	-14.3	
Speakers N Parcel Level 01	Point	-14.5	
Speakers N Parcel Level 01	Point	-14.7	
Speakers N Parcel Level 01	Point	-14.8	
Speakers N Parcel Level 01	Point	-12.3	
Speakers N Parcel Level 01	Point	1.5	
Speakers N Parcel Level 01	Point	1.9	
Speakers N Parcel Level 01	Point	-14.1	
Speakers N Parcel Level 01	Point	-14.3	
Speakers N Parcel Level 01	Point	-14.4	
Speakers N Parcel Level 01	Point	-14.1	
Speakers N Parcel Level 01	Point	8.0	
Speakers N Parcel Level 01	Point	7.8	
Speakers N Parcel Level 01	Point	-14.1	
Speakers N Parcel Level 01	Point	-15.2	
Speakers N Parcel Level 01	Point	-15.9	
Speakers N Parcel Level 01	Point	6.8	
Speakers N Parcel Level 01	Point	-18.0	
Speakers N Parcel Level 01	Point	-16.6	
Speakers N Parcel Level 01	Point	-16.5	
Speakers N Parcel Level 01	Point	-12.8	
Speakers N Parcel Level 01	Point	-11.3	
Speakers N Parcel Level 01	Point	-13.8	
Speakers N Parcel Level 01	Point	-16.7	
Speakers N Parcel Level 01	Point	-18.1	
Speakers N Parcel Level 01	Point	-18.2	
Speakers N Parcel Level 01	Point	-18.2	
Speakers N Parcel Level 01	Point	-18.3	
Speakers N Parcel Level 01	Point	-18.4	
Speakers N Parcel Level 01	Point	-17.7	
Speakers S Parcel Level 01	Point	-5.5	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	-0.9	
Speakers S Parcel Level 01	Point	22.7	
Speakers S Parcel Level 01	Point	25.1	
Speakers S Parcel Level 01	Point	24.6	
Speakers S Parcel Level 01	Point	24.1	
Speakers S Parcel Level 01	Point	25.7	
Speakers S Parcel Level 01	Point	24.3	
Speakers S Parcel Level 01	Point	23.4	
Speakers S Parcel Level 01	Point	26.5	
Speakers S Parcel Level 01	Point	27.3	
Speakers S Parcel Level 01	Point	27.9	
Speakers S Parcel Level 01	Point	28.4	
Speakers S Parcel Level 01	Point	29.4	
Speakers S Parcel Level 01	Point	16.1	
Speakers S Parcel Level 01	Point	22.8	
Speakers S Parcel Level 01	Point	31.9	
Speakers S Parcel Level 01	Point	33.1	
Speakers S Parcel Level 01	Point	34.2	
Speakers S Parcel Level 01	Point	35.4	
Speakers S Parcel Level 01	Point	36.8	
Speakers S Parcel Level 01	Point	36.7	
Speakers S Parcel Level 01	Point	35.2	
Speakers S Parcel Level 01	Point	42.2	
Speakers S Parcel Level 01	Point	44.2	
Speakers S Parcel Level 01	Point	46.7	
Speakers S Parcel Level 01	Point	48.7	
Speakers S Parcel Level 01	Point	31.2	
Speakers S Parcel Level 01	Point	19.2	
Speakers S Parcel Level 01	Point	34.6	
Speakers S Parcel Level 01	Point	8.2	
Speakers S Parcel Level 01	Point	20.1	
Speakers S Parcel Level 01	Point	8.6	
Speakers N Parcel Level 03	Point	2.2	
Speakers N Parcel Level 03	Point	16.0	
Speakers N Parcel Level 03	Point	16.0	
Speakers N Parcel Level 03	Point	17.7	
Speakers S Parcel Level 05	Point	30.4	
Speakers S Parcel Level 05	Point	30.5	
Speakers S Parcel Level 05	Point	14.6	
Speakers S Parcel Level 05	Point	13.4	
Speakers S Parcel Level 05	Point	2.8	
Speakers S Parcel Level 05	Point	0.6	
Speakers S Parcel Level 05	Point	3.3	
Speakers S Parcel Level 05	Point	29.5	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 05	Point	31.8	
Speakers S Parcel Level 05	Point	27.9	
Speakers S Parcel Level 05	Point	32.5	
Speakers S Parcel Level 05	Point	37.3	
Speakers S Parcel Level 05	Point	35.1	
Speakers S Parcel Level 05	Point	34.2	
Speakers S Parcel Level 05	Point	43.3	
Speakers N Parcel Level 06	Point	16.1	
Speakers N Parcel Level 06	Point	16.2	
Speakers N Parcel Level 06	Point	17.6	
Speakers N Parcel Level 06	Point	18.1	
Speakers N Parcel Level 14	Point	18.7	
Speakers N Parcel Level 14	Point	20.1	
Speakers N Parcel Level 14	Point	12.7	
Speakers S Parcel Level 22	Point	29.6	
Speakers S Parcel Level 22	Point	28.9	
Speakers S Parcel Level 22	Point	28.7	
Speakers S Parcel Level 22	Point	6.0	
Speakers S Parcel Level 26	Point	26.9	
Speakers S Parcel Level 26	Point	25.2	
Speakers S Parcel Level 26	Point	25.6	
Speakers S Parcel Level 26	Point	24.9	
Speakers S Parcel Level 26	Point	10.5	
Speakers S Parcel Level P3	Point	32.4	
Speakers S Parcel Level P3	Point	33.3	
Speakers S Parcel Level P3	Point	32.3	
Speakers S Parcel Level P3	Point	33.0	
Receiver R11 FI F2 Leq,d 58.5 dB(A)			
Speakers N Parcel Level 01	Point	-6.3	
Speakers N Parcel Level 01	Point	-8.9	
Speakers N Parcel Level 01	Point	-12.2	
Speakers N Parcel Level 01	Point	-12.6	
Speakers N Parcel Level 01	Point	-13.0	
Speakers N Parcel Level 01	Point	-13.3	
Speakers N Parcel Level 01	Point	-13.5	
Speakers N Parcel Level 01	Point	-7.0	
Speakers N Parcel Level 01	Point	2.6	
Speakers N Parcel Level 01	Point	3.0	
Speakers N Parcel Level 01	Point	-12.9	
Speakers N Parcel Level 01	Point	-13.2	
Speakers N Parcel Level 01	Point	-13.4	
Speakers N Parcel Level 01	Point	-13.1	
Speakers N Parcel Level 01	Point	8.9	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	8.8	
Speakers N Parcel Level 01	Point	-11.0	
Speakers N Parcel Level 01	Point	-12.6	
Speakers N Parcel Level 01	Point	-13.6	
Speakers N Parcel Level 01	Point	7.9	
Speakers N Parcel Level 01	Point	-17.2	
Speakers N Parcel Level 01	Point	-16.1	
Speakers N Parcel Level 01	Point	-15.9	
Speakers N Parcel Level 01	Point	-9.1	
Speakers N Parcel Level 01	Point	-7.5	
Speakers N Parcel Level 01	Point	-12.9	
Speakers N Parcel Level 01	Point	-15.7	
Speakers N Parcel Level 01	Point	-17.2	
Speakers N Parcel Level 01	Point	-17.3	
Speakers N Parcel Level 01	Point	-17.4	
Speakers N Parcel Level 01	Point	-17.5	
Speakers N Parcel Level 01	Point	-17.7	
Speakers N Parcel Level 01	Point	-16.8	
Speakers S Parcel Level 01	Point	-1.2	
Speakers S Parcel Level 01	Point	2.6	
Speakers S Parcel Level 01	Point	27.0	
Speakers S Parcel Level 01	Point	26.6	
Speakers S Parcel Level 01	Point	26.1	
Speakers S Parcel Level 01	Point	28.2	
Speakers S Parcel Level 01	Point	29.2	
Speakers S Parcel Level 01	Point	26.0	
Speakers S Parcel Level 01	Point	26.9	
Speakers S Parcel Level 01	Point	28.5	
Speakers S Parcel Level 01	Point	29.3	
Speakers S Parcel Level 01	Point	29.4	
Speakers S Parcel Level 01	Point	30.1	
Speakers S Parcel Level 01	Point	33.6	
Speakers S Parcel Level 01	Point	22.7	
Speakers S Parcel Level 01	Point	27.5	
Speakers S Parcel Level 01	Point	33.2	
Speakers S Parcel Level 01	Point	34.2	
Speakers S Parcel Level 01	Point	35.2	
Speakers S Parcel Level 01	Point	36.4	
Speakers S Parcel Level 01	Point	37.7	
Speakers S Parcel Level 01	Point	40.9	
Speakers S Parcel Level 01	Point	40.9	
Speakers S Parcel Level 01	Point	42.9	
Speakers S Parcel Level 01	Point	44.5	
Speakers S Parcel Level 01	Point	46.9	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	48.9	
Speakers S Parcel Level 01	Point	42.1	
Speakers S Parcel Level 01	Point	31.5	
Speakers S Parcel Level 01	Point	46.7	
Speakers S Parcel Level 01	Point	12.3	
Speakers S Parcel Level 01	Point	24.6	
Speakers S Parcel Level 01	Point	8.7	
Speakers N Parcel Level 03	Point	4.9	
Speakers N Parcel Level 03	Point	18.4	
Speakers N Parcel Level 03	Point	18.5	
Speakers N Parcel Level 03	Point	20.3	
Speakers S Parcel Level 05	Point	33.9	
Speakers S Parcel Level 05	Point	34.8	
Speakers S Parcel Level 05	Point	19.7	
Speakers S Parcel Level 05	Point	16.5	
Speakers S Parcel Level 05	Point	4.7	
Speakers S Parcel Level 05	Point	2.8	
Speakers S Parcel Level 05	Point	5.5	
Speakers S Parcel Level 05	Point	39.5	
Speakers S Parcel Level 05	Point	41.5	
Speakers S Parcel Level 05	Point	33.2	
Speakers S Parcel Level 05	Point	38.2	
Speakers S Parcel Level 05	Point	52.1	
Speakers S Parcel Level 05	Point	50.0	
Speakers S Parcel Level 05	Point	44.9	
Speakers S Parcel Level 05	Point	48.4	
Speakers N Parcel Level 06	Point	18.7	
Speakers N Parcel Level 06	Point	18.8	
Speakers N Parcel Level 06	Point	19.9	
Speakers N Parcel Level 06	Point	20.3	
Speakers N Parcel Level 14	Point	19.6	
Speakers N Parcel Level 14	Point	22.1	
Speakers N Parcel Level 14	Point	16.4	
Speakers S Parcel Level 22	Point	33.1	
Speakers S Parcel Level 22	Point	32.4	
Speakers S Parcel Level 22	Point	32.1	
Speakers S Parcel Level 22	Point	8.1	
Speakers S Parcel Level 26	Point	30.2	
Speakers S Parcel Level 26	Point	27.9	
Speakers S Parcel Level 26	Point	28.6	
Speakers S Parcel Level 26	Point	27.9	
Speakers S Parcel Level 26	Point	12.5	
Speakers S Parcel Level P3	Point	34.5	
Speakers S Parcel Level P3	Point	35.2	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level P3	Point	33.9	
Speakers S Parcel Level P3	Point	34.5	
Receiver R12 FI G Leq,d 46.9 dB(A)			
Speakers N Parcel Level 01	Point	1.7	
Speakers N Parcel Level 01	Point	1.9	
Speakers N Parcel Level 01	Point	2.2	
Speakers N Parcel Level 01	Point	3.2	
Speakers N Parcel Level 01	Point	2.8	
Speakers N Parcel Level 01	Point	25.2	
Speakers N Parcel Level 01	Point	20.1	
Speakers N Parcel Level 01	Point	25.8	
Speakers N Parcel Level 01	Point	25.9	
Speakers N Parcel Level 01	Point	26.1	
Speakers N Parcel Level 01	Point	2.7	
Speakers N Parcel Level 01	Point	2.7	
Speakers N Parcel Level 01	Point	2.9	
Speakers N Parcel Level 01	Point	3.0	
Speakers N Parcel Level 01	Point	3.6	
Speakers N Parcel Level 01	Point	15.5	
Speakers N Parcel Level 01	Point	14.7	
Speakers N Parcel Level 01	Point	12.6	
Speakers N Parcel Level 01	Point	11.8	
Speakers N Parcel Level 01	Point	14.3	
Speakers N Parcel Level 01	Point	3.0	
Speakers N Parcel Level 01	Point	3.6	
Speakers N Parcel Level 01	Point	4.5	
Speakers N Parcel Level 01	Point	6.2	
Speakers N Parcel Level 01	Point	6.4	
Speakers N Parcel Level 01	Point	3.7	
Speakers N Parcel Level 01	Point	0.9	
Speakers N Parcel Level 01	Point	0.3	
Speakers N Parcel Level 01	Point	-0.1	
Speakers N Parcel Level 01	Point	7.6	
Speakers N Parcel Level 01	Point	-0.9	
Speakers N Parcel Level 01	Point	-1.2	
Speakers N Parcel Level 01	Point	4.3	
Speakers S Parcel Level 01	Point	21.2	
Speakers S Parcel Level 01	Point	23.9	
Speakers S Parcel Level 01	Point	14.0	
Speakers S Parcel Level 01	Point	14.3	
Speakers S Parcel Level 01	Point	15.0	
Speakers S Parcel Level 01	Point	15.3	
Speakers S Parcel Level 01	Point	13.9	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	17.3	
Speakers S Parcel Level 01	Point	16.5	
Speakers S Parcel Level 01	Point	16.6	
Speakers S Parcel Level 01	Point	16.8	
Speakers S Parcel Level 01	Point	16.6	
Speakers S Parcel Level 01	Point	16.3	
Speakers S Parcel Level 01	Point	15.3	
Speakers S Parcel Level 01	Point	17.7	
Speakers S Parcel Level 01	Point	17.2	
Speakers S Parcel Level 01	Point	15.0	
Speakers S Parcel Level 01	Point	15.0	
Speakers S Parcel Level 01	Point	14.7	
Speakers S Parcel Level 01	Point	14.5	
Speakers S Parcel Level 01	Point	14.2	
Speakers S Parcel Level 01	Point	2.4	
Speakers S Parcel Level 01	Point	13.4	
Speakers S Parcel Level 01	Point	13.0	
Speakers S Parcel Level 01	Point	13.4	
Speakers S Parcel Level 01	Point	12.4	
Speakers S Parcel Level 01	Point	12.2	
Speakers S Parcel Level 01	Point	-15.8	
Speakers S Parcel Level 01	Point	3.3	
Speakers S Parcel Level 01	Point	-12.8	
Speakers S Parcel Level 01	Point	-10.3	
Speakers S Parcel Level 01	Point	1.1	
Speakers S Parcel Level 01	Point	0.7	
Speakers N Parcel Level 03	Point	30.5	
Speakers N Parcel Level 03	Point	37.9	
Speakers N Parcel Level 03	Point	38.0	
Speakers N Parcel Level 03	Point	38.0	
Speakers S Parcel Level 05	Point	17.7	
Speakers S Parcel Level 05	Point	17.3	
Speakers S Parcel Level 05	Point	20.7	
Speakers S Parcel Level 05	Point	21.4	
Speakers S Parcel Level 05	Point	27.6	
Speakers S Parcel Level 05	Point	27.5	
Speakers S Parcel Level 05	Point	27.7	
Speakers S Parcel Level 05	Point	4.8	
Speakers S Parcel Level 05	Point	8.2	
Speakers S Parcel Level 05	Point	22.4	
Speakers S Parcel Level 05	Point	21.2	
Speakers S Parcel Level 05	Point	15.4	
Speakers S Parcel Level 05	Point	3.9	
Speakers S Parcel Level 05	Point	-4.9	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 05	Point	18.4	
Speakers N Parcel Level 06	Point	37.0	
Speakers N Parcel Level 06	Point	37.5	
Speakers N Parcel Level 06	Point	36.0	
Speakers N Parcel Level 06	Point	35.4	
Speakers N Parcel Level 14	Point	27.2	
Speakers N Parcel Level 14	Point	30.5	
Speakers N Parcel Level 14	Point	31.7	
Speakers S Parcel Level 22	Point	19.7	
Speakers S Parcel Level 22	Point	20.4	
Speakers S Parcel Level 22	Point	20.1	
Speakers S Parcel Level 22	Point	30.8	
Speakers S Parcel Level 26	Point	7.0	
Speakers S Parcel Level 26	Point	20.3	
Speakers S Parcel Level 26	Point	21.0	
Speakers S Parcel Level 26	Point	20.9	
Speakers S Parcel Level 26	Point	24.5	
Speakers S Parcel Level P3	Point	-16.4	
Speakers S Parcel Level P3	Point	-15.9	
Speakers S Parcel Level P3	Point	1.5	
Speakers S Parcel Level P3	Point	3.9	
Receiver R13 FI G Leq,d 45.9 dB(A)			
Speakers N Parcel Level 01	Point	6.0	
Speakers N Parcel Level 01	Point	-1.0	
Speakers N Parcel Level 01	Point	0.0	
Speakers N Parcel Level 01	Point	-3.2	
Speakers N Parcel Level 01	Point	-0.9	
Speakers N Parcel Level 01	Point	-4.3	
Speakers N Parcel Level 01	Point	-3.0	
Speakers N Parcel Level 01	Point	8.8	
Speakers N Parcel Level 01	Point	0.0	
Speakers N Parcel Level 01	Point	0.4	
Speakers N Parcel Level 01	Point	-2.6	
Speakers N Parcel Level 01	Point	-5.5	
Speakers N Parcel Level 01	Point	-6.0	
Speakers N Parcel Level 01	Point	-6.5	
Speakers N Parcel Level 01	Point	-6.4	
Speakers N Parcel Level 01	Point	16.7	
Speakers N Parcel Level 01	Point	-3.6	
Speakers N Parcel Level 01	Point	-8.8	
Speakers N Parcel Level 01	Point	-9.0	
Speakers N Parcel Level 01	Point	-10.8	
Speakers N Parcel Level 01	Point	-11.2	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	-6.6	
Speakers N Parcel Level 01	Point	-5.6	
Speakers N Parcel Level 01	Point	-5.2	
Speakers N Parcel Level 01	Point	-8.6	
Speakers N Parcel Level 01	Point	-7.7	
Speakers N Parcel Level 01	Point	-9.8	
Speakers N Parcel Level 01	Point	-10.0	
Speakers N Parcel Level 01	Point	-10.3	
Speakers N Parcel Level 01	Point	-10.8	
Speakers N Parcel Level 01	Point	-11.0	
Speakers N Parcel Level 01	Point	-11.1	
Speakers N Parcel Level 01	Point	-11.6	
Speakers S Parcel Level 01	Point	33.0	
Speakers S Parcel Level 01	Point	34.4	
Speakers S Parcel Level 01	Point	28.5	
Speakers S Parcel Level 01	Point	26.3	
Speakers S Parcel Level 01	Point	26.9	
Speakers S Parcel Level 01	Point	26.8	
Speakers S Parcel Level 01	Point	25.7	
Speakers S Parcel Level 01	Point	26.4	
Speakers S Parcel Level 01	Point	22.4	
Speakers S Parcel Level 01	Point	24.7	
Speakers S Parcel Level 01	Point	24.4	
Speakers S Parcel Level 01	Point	24.0	
Speakers S Parcel Level 01	Point	23.6	
Speakers S Parcel Level 01	Point	13.9	
Speakers S Parcel Level 01	Point	23.6	
Speakers S Parcel Level 01	Point	23.4	
Speakers S Parcel Level 01	Point	21.1	
Speakers S Parcel Level 01	Point	20.9	
Speakers S Parcel Level 01	Point	20.4	
Speakers S Parcel Level 01	Point	19.9	
Speakers S Parcel Level 01	Point	19.5	
Speakers S Parcel Level 01	Point	9.2	
Speakers S Parcel Level 01	Point	20.6	
Speakers S Parcel Level 01	Point	17.4	
Speakers S Parcel Level 01	Point	17.8	
Speakers S Parcel Level 01	Point	16.5	
Speakers S Parcel Level 01	Point	16.1	
Speakers S Parcel Level 01	Point	-13.1	
Speakers S Parcel Level 01	Point	5.5	
Speakers S Parcel Level 01	Point	-9.3	
Speakers S Parcel Level 01	Point	-3.5	
Speakers S Parcel Level 01	Point	10.3	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	10.3	
Speakers N Parcel Level 03	Point	6.4	
Speakers N Parcel Level 03	Point	16.4	
Speakers N Parcel Level 03	Point	18.1	
Speakers N Parcel Level 03	Point	20.5	
Speakers S Parcel Level 05	Point	26.4	
Speakers S Parcel Level 05	Point	23.3	
Speakers S Parcel Level 05	Point	24.9	
Speakers S Parcel Level 05	Point	29.5	
Speakers S Parcel Level 05	Point	36.6	
Speakers S Parcel Level 05	Point	36.3	
Speakers S Parcel Level 05	Point	37.9	
Speakers S Parcel Level 05	Point	13.6	
Speakers S Parcel Level 05	Point	13.8	
Speakers S Parcel Level 05	Point	23.0	
Speakers S Parcel Level 05	Point	29.9	
Speakers S Parcel Level 05	Point	10.5	
Speakers S Parcel Level 05	Point	5.7	
Speakers S Parcel Level 05	Point	0.1	
Speakers S Parcel Level 05	Point	23.9	
Speakers N Parcel Level 06	Point	22.2	
Speakers N Parcel Level 06	Point	22.5	
Speakers N Parcel Level 06	Point	23.0	
Speakers N Parcel Level 06	Point	25.2	
Speakers N Parcel Level 14	Point	24.1	
Speakers N Parcel Level 14	Point	24.3	
Speakers N Parcel Level 14	Point	19.9	
Speakers S Parcel Level 22	Point	19.2	
Speakers S Parcel Level 22	Point	21.4	
Speakers S Parcel Level 22	Point	23.9	
Speakers S Parcel Level 22	Point	37.0	
Speakers S Parcel Level 26	Point	7.5	
Speakers S Parcel Level 26	Point	21.4	
Speakers S Parcel Level 26	Point	23.8	
Speakers S Parcel Level 26	Point	24.8	
Speakers S Parcel Level 26	Point	33.0	
Speakers S Parcel Level P3	Point	-11.4	
Speakers S Parcel Level P3	Point	-3.3	
Speakers S Parcel Level P3	Point	-11.4	
Speakers S Parcel Level P3	Point	-11.5	
Receiver R14 FI G Leq,d 30.5 dB(A)			
Speakers N Parcel Level 01	Point	-18.4	
Speakers N Parcel Level 01	Point	-18.5	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	-18.6	
Speakers N Parcel Level 01	Point	-18.6	
Speakers N Parcel Level 01	Point	-18.7	
Speakers N Parcel Level 01	Point	-18.8	
Speakers N Parcel Level 01	Point	-17.2	
Speakers N Parcel Level 01	Point	-14.8	
Speakers N Parcel Level 01	Point	-16.9	
Speakers N Parcel Level 01	Point	-16.8	
Speakers N Parcel Level 01	Point	-19.9	
Speakers N Parcel Level 01	Point	-19.9	
Speakers N Parcel Level 01	Point	-20.0	
Speakers N Parcel Level 01	Point	-20.1	
Speakers N Parcel Level 01	Point	-20.2	
Speakers N Parcel Level 01	Point	-20.3	
Speakers N Parcel Level 01	Point	-20.0	
Speakers N Parcel Level 01	Point	-20.2	
Speakers N Parcel Level 01	Point	-20.5	
Speakers N Parcel Level 01	Point	-22.1	
Speakers N Parcel Level 01	Point	-22.0	
Speakers N Parcel Level 01	Point	-19.2	
Speakers N Parcel Level 01	Point	-17.4	
Speakers N Parcel Level 01	Point	-16.2	
Speakers N Parcel Level 01	Point	-20.6	
Speakers N Parcel Level 01	Point	-18.4	
Speakers N Parcel Level 01	Point	-20.9	
Speakers N Parcel Level 01	Point	-20.9	
Speakers N Parcel Level 01	Point	-21.0	
Speakers N Parcel Level 01	Point	-21.1	
Speakers N Parcel Level 01	Point	-21.2	
Speakers N Parcel Level 01	Point	-21.3	
Speakers N Parcel Level 01	Point	-21.5	
Speakers S Parcel Level 01	Point	-11.4	
Speakers S Parcel Level 01	Point	-12.2	
Speakers S Parcel Level 01	Point	-10.5	
Speakers S Parcel Level 01	Point	-10.7	
Speakers S Parcel Level 01	Point	-10.9	
Speakers S Parcel Level 01	Point	-10.2	
Speakers S Parcel Level 01	Point	-10.0	
Speakers S Parcel Level 01	Point	-11.2	
Speakers S Parcel Level 01	Point	-10.8	
Speakers S Parcel Level 01	Point	-10.6	
Speakers S Parcel Level 01	Point	-10.4	
Speakers S Parcel Level 01	Point	-10.2	
Speakers S Parcel Level 01	Point	-10.0	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	-9.7	
Speakers S Parcel Level 01	Point	-9.5	
Speakers S Parcel Level 01	Point	-10.6	
Speakers S Parcel Level 01	Point	-9.5	
Speakers S Parcel Level 01	Point	-9.3	
Speakers S Parcel Level 01	Point	-9.2	
Speakers S Parcel Level 01	Point	-9.0	
Speakers S Parcel Level 01	Point	-8.9	
Speakers S Parcel Level 01	Point	-8.5	
Speakers S Parcel Level 01	Point	-8.3	
Speakers S Parcel Level 01	Point	-8.4	
Speakers S Parcel Level 01	Point	-8.0	
Speakers S Parcel Level 01	Point	-4.4	
Speakers S Parcel Level 01	Point	-0.8	
Speakers S Parcel Level 01	Point	-5.0	
Speakers S Parcel Level 01	Point	-6.9	
Speakers S Parcel Level 01	Point	-24.6	
Speakers S Parcel Level 01	Point	-4.6	
Speakers S Parcel Level 01	Point	11.3	
Speakers S Parcel Level 01	Point	11.6	
Speakers N Parcel Level 03	Point	-11.6	
Speakers N Parcel Level 03	Point	4.6	
Speakers N Parcel Level 03	Point	5.0	
Speakers N Parcel Level 03	Point	-0.2	
Speakers S Parcel Level 05	Point	-4.7	
Speakers S Parcel Level 05	Point	15.1	
Speakers S Parcel Level 05	Point	17.3	
Speakers S Parcel Level 05	Point	16.4	
Speakers S Parcel Level 05	Point	-6.6	
Speakers S Parcel Level 05	Point	-6.4	
Speakers S Parcel Level 05	Point	-6.7	
Speakers S Parcel Level 05	Point	0.4	
Speakers S Parcel Level 05	Point	25.2	
Speakers S Parcel Level 05	Point	-1.0	
Speakers S Parcel Level 05	Point	24.0	
Speakers S Parcel Level 05	Point	-1.4	
Speakers S Parcel Level 05	Point	4.9	
Speakers S Parcel Level 05	Point	10.7	
Speakers S Parcel Level 05	Point	-3.2	
Speakers N Parcel Level 06	Point	-1.8	
Speakers N Parcel Level 06	Point	-4.0	
Speakers N Parcel Level 06	Point	-3.4	
Speakers N Parcel Level 06	Point	-5.1	
Speakers N Parcel Level 14	Point	9.3	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 14	Point	7.6	
Speakers N Parcel Level 14	Point	7.3	
Speakers S Parcel Level 22	Point	20.3	
Speakers S Parcel Level 22	Point	20.0	
Speakers S Parcel Level 22	Point	19.5	
Speakers S Parcel Level 22	Point	-0.7	
Speakers S Parcel Level 26	Point	9.6	
Speakers S Parcel Level 26	Point	3.4	
Speakers S Parcel Level 26	Point	2.3	
Speakers S Parcel Level 26	Point	2.3	
Speakers S Parcel Level 26	Point	2.5	
Speakers S Parcel Level P3	Point	8.0	
Speakers S Parcel Level P3	Point	7.2	
Speakers S Parcel Level P3	Point	4.6	
Speakers S Parcel Level P3	Point	2.4	
Receiver R15 (Trail) FI G Leq,d 45.6 dB(A)			
Speakers N Parcel Level 01	Point	34.6	
Speakers N Parcel Level 01	Point	34.2	
Speakers N Parcel Level 01	Point	33.7	
Speakers N Parcel Level 01	Point	33.3	
Speakers N Parcel Level 01	Point	32.8	
Speakers N Parcel Level 01	Point	32.9	
Speakers N Parcel Level 01	Point	32.6	
Speakers N Parcel Level 01	Point	31.8	
Speakers N Parcel Level 01	Point	31.1	
Speakers N Parcel Level 01	Point	30.8	
Speakers N Parcel Level 01	Point	27.9	
Speakers N Parcel Level 01	Point	27.4	
Speakers N Parcel Level 01	Point	26.9	
Speakers N Parcel Level 01	Point	26.5	
Speakers N Parcel Level 01	Point	26.0	
Speakers N Parcel Level 01	Point	25.7	
Speakers N Parcel Level 01	Point	6.6	
Speakers N Parcel Level 01	Point	10.1	
Speakers N Parcel Level 01	Point	20.3	
Speakers N Parcel Level 01	Point	13.0	
Speakers N Parcel Level 01	Point	-3.9	
Speakers N Parcel Level 01	Point	4.9	
Speakers N Parcel Level 01	Point	8.2	
Speakers N Parcel Level 01	Point	16.5	
Speakers N Parcel Level 01	Point	18.5	
Speakers N Parcel Level 01	Point	22.1	
Speakers N Parcel Level 01	Point	22.2	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	21.9	
Speakers N Parcel Level 01	Point	21.6	
Speakers N Parcel Level 01	Point	21.3	
Speakers N Parcel Level 01	Point	21.0	
Speakers N Parcel Level 01	Point	20.7	
Speakers N Parcel Level 01	Point	7.7	
Speakers S Parcel Level 01	Point	24.9	
Speakers S Parcel Level 01	Point	25.3	
Speakers S Parcel Level 01	Point	13.2	
Speakers S Parcel Level 01	Point	12.7	
Speakers S Parcel Level 01	Point	11.7	
Speakers S Parcel Level 01	Point	11.1	
Speakers S Parcel Level 01	Point	-10.8	
Speakers S Parcel Level 01	Point	14.2	
Speakers S Parcel Level 01	Point	0.4	
Speakers S Parcel Level 01	Point	13.6	
Speakers S Parcel Level 01	Point	14.9	
Speakers S Parcel Level 01	Point	14.9	
Speakers S Parcel Level 01	Point	14.9	
Speakers S Parcel Level 01	Point	13.6	
Speakers S Parcel Level 01	Point	10.5	
Speakers S Parcel Level 01	Point	11.4	
Speakers S Parcel Level 01	Point	12.4	
Speakers S Parcel Level 01	Point	12.2	
Speakers S Parcel Level 01	Point	12.1	
Speakers S Parcel Level 01	Point	12.0	
Speakers S Parcel Level 01	Point	11.7	
Speakers S Parcel Level 01	Point	0.9	
Speakers S Parcel Level 01	Point	4.9	
Speakers S Parcel Level 01	Point	10.7	
Speakers S Parcel Level 01	Point	10.4	
Speakers S Parcel Level 01	Point	10.2	
Speakers S Parcel Level 01	Point	10.0	
Speakers S Parcel Level 01	Point		
Speakers S Parcel Level 01	Point	-1.4	
Speakers S Parcel Level 01	Point	-17.2	
Speakers S Parcel Level 01	Point	12.1	
Speakers S Parcel Level 01	Point	23.5	
Speakers S Parcel Level 01	Point	8.9	
Speakers N Parcel Level 03	Point	6.4	
Speakers N Parcel Level 03	Point	10.9	
Speakers N Parcel Level 03	Point	18.4	
Speakers N Parcel Level 03	Point	16.3	
Speakers S Parcel Level 05	Point	-6.0	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 05	Point	5.5	
Speakers S Parcel Level 05	Point	-6.4	
Speakers S Parcel Level 05	Point	-6.6	
Speakers S Parcel Level 05	Point	31.2	
Speakers S Parcel Level 05	Point	31.3	
Speakers S Parcel Level 05	Point	31.1	
Speakers S Parcel Level 05	Point	16.6	
Speakers S Parcel Level 05	Point	16.6	
Speakers S Parcel Level 05	Point	14.5	
Speakers S Parcel Level 05	Point	26.6	
Speakers S Parcel Level 05	Point	5.6	
Speakers S Parcel Level 05	Point	-2.5	
Speakers S Parcel Level 05	Point	-6.1	
Speakers S Parcel Level 05	Point	15.6	
Speakers N Parcel Level 06	Point	12.2	
Speakers N Parcel Level 06	Point	12.2	
Speakers N Parcel Level 06	Point	16.8	
Speakers N Parcel Level 06	Point	20.7	
Speakers N Parcel Level 14	Point	11.5	
Speakers N Parcel Level 14	Point	15.0	
Speakers N Parcel Level 14	Point	23.3	
Speakers S Parcel Level 22	Point	2.9	
Speakers S Parcel Level 22	Point	12.8	
Speakers S Parcel Level 22	Point	19.8	
Speakers S Parcel Level 22	Point	36.2	
Speakers S Parcel Level 26	Point	3.6	
Speakers S Parcel Level 26	Point	6.4	
Speakers S Parcel Level 26	Point	19.1	
Speakers S Parcel Level 26	Point	19.9	
Speakers S Parcel Level 26	Point	32.4	
Speakers S Parcel Level P3	Point	-16.1	
Speakers S Parcel Level P3	Point	-15.8	
Speakers S Parcel Level P3	Point	-14.8	
Speakers S Parcel Level P3	Point	-3.6	
Receiver R16 (Trail) FI G Leq,d 47.7 dB(A)			
Speakers N Parcel Level 01	Point	16.8	
Speakers N Parcel Level 01	Point	17.0	
Speakers N Parcel Level 01	Point	17.2	
Speakers N Parcel Level 01	Point	17.4	
Speakers N Parcel Level 01	Point	17.6	
Speakers N Parcel Level 01	Point	17.9	
Speakers N Parcel Level 01	Point	18.1	
Speakers N Parcel Level 01	Point	16.5	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers N Parcel Level 01	Point	10.4	
Speakers N Parcel Level 01	Point	10.2	
Speakers N Parcel Level 01	Point	17.1	
Speakers N Parcel Level 01	Point	17.4	
Speakers N Parcel Level 01	Point	17.9	
Speakers N Parcel Level 01	Point	18.5	
Speakers N Parcel Level 01	Point	17.2	
Speakers N Parcel Level 01	Point	17.4	
Speakers N Parcel Level 01	Point	23.2	
Speakers N Parcel Level 01	Point	22.2	
Speakers N Parcel Level 01	Point	22.3	
Speakers N Parcel Level 01	Point	34.1	
Speakers N Parcel Level 01	Point	34.3	
Speakers N Parcel Level 01	Point	28.1	
Speakers N Parcel Level 01	Point	26.8	
Speakers N Parcel Level 01	Point	24.2	
Speakers N Parcel Level 01	Point	22.4	
Speakers N Parcel Level 01	Point	27.7	
Speakers N Parcel Level 01	Point	29.1	
Speakers N Parcel Level 01	Point	30.0	
Speakers N Parcel Level 01	Point	31.1	
Speakers N Parcel Level 01	Point	33.0	
Speakers N Parcel Level 01	Point	35.4	
Speakers N Parcel Level 01	Point	36.7	
Speakers N Parcel Level 01	Point	45.2	
Speakers S Parcel Level 01	Point	14.4	
Speakers S Parcel Level 01	Point	14.6	
Speakers S Parcel Level 01	Point	5.6	
Speakers S Parcel Level 01	Point	5.4	
Speakers S Parcel Level 01	Point	5.3	
Speakers S Parcel Level 01	Point	6.2	
Speakers S Parcel Level 01	Point	5.0	
Speakers S Parcel Level 01	Point	8.7	
Speakers S Parcel Level 01	Point	8.5	
Speakers S Parcel Level 01	Point	8.4	
Speakers S Parcel Level 01	Point	8.7	
Speakers S Parcel Level 01	Point	0.6	
Speakers S Parcel Level 01	Point	-7.0	
Speakers S Parcel Level 01	Point	-7.7	
Speakers S Parcel Level 01	Point	-4.4	
Speakers S Parcel Level 01	Point	9.1	
Speakers S Parcel Level 01	Point	-4.9	
Speakers S Parcel Level 01	Point	-7.4	
Speakers S Parcel Level 01	Point	-7.1	

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Buena Vista Calculated Noise Levels - 02e Speakers

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 01	Point	-7.4	
Speakers S Parcel Level 01	Point	-8.6	
Speakers S Parcel Level 01	Point	-20.0	
Speakers S Parcel Level 01	Point	-11.1	
Speakers S Parcel Level 01	Point	-8.4	
Speakers S Parcel Level 01	Point	-8.6	
Speakers S Parcel Level 01	Point	-9.8	
Speakers S Parcel Level 01	Point	-10.0	
Speakers S Parcel Level 01	Point	-21.9	
Speakers S Parcel Level 01	Point	-17.7	
Speakers S Parcel Level 01	Point	-24.1	
Speakers S Parcel Level 01	Point	-15.3	
Speakers S Parcel Level 01	Point	-3.9	
Speakers S Parcel Level 01	Point	-4.1	
Speakers N Parcel Level 03	Point	28.9	
Speakers N Parcel Level 03	Point	27.0	
Speakers N Parcel Level 03	Point	25.3	
Speakers N Parcel Level 03	Point	22.0	
Speakers S Parcel Level 05	Point	10.1	
Speakers S Parcel Level 05	Point	9.9	
Speakers S Parcel Level 05	Point	10.0	
Speakers S Parcel Level 05	Point	16.5	
Speakers S Parcel Level 05	Point	20.6	
Speakers S Parcel Level 05	Point	20.6	
Speakers S Parcel Level 05	Point	20.6	
Speakers S Parcel Level 05	Point	-1.7	
Speakers S Parcel Level 05	Point	-3.2	
Speakers S Parcel Level 05	Point	-2.0	
Speakers S Parcel Level 05	Point	5.1	
Speakers S Parcel Level 05	Point	1.6	
Speakers S Parcel Level 05	Point	-7.9	
Speakers S Parcel Level 05	Point	-14.4	
Speakers S Parcel Level 05	Point	2.6	
Speakers N Parcel Level 06	Point	12.5	
Speakers N Parcel Level 06	Point	10.3	
Speakers N Parcel Level 06	Point	11.2	
Speakers N Parcel Level 06	Point	12.9	
Speakers N Parcel Level 14	Point	12.6	
Speakers N Parcel Level 14	Point	11.8	
Speakers N Parcel Level 14	Point	26.5	
Speakers S Parcel Level 22	Point	15.1	
Speakers S Parcel Level 22	Point	15.2	
Speakers S Parcel Level 22	Point	15.8	
Speakers S Parcel Level 22	Point	28.6	

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**Buena Vista
Calculated Noise Levels - 02e Speakers**

Source	Source type	Leq,d dB(A)	
Speakers S Parcel Level 26	Point	-2.2	
Speakers S Parcel Level 26	Point	3.8	
Speakers S Parcel Level 26	Point	6.6	
Speakers S Parcel Level 26	Point	10.0	
Speakers S Parcel Level 26	Point	14.4	
Speakers S Parcel Level P3	Point	-20.5	
Speakers S Parcel Level P3	Point	-20.4	
Speakers S Parcel Level P3	Point	-13.0	
Speakers S Parcel Level P3	Point	-13.9	

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Off-Site Traffic Noise Calculations
Project: Buena Vista Project

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

PHV to
ADT factor
10%

EXISTING CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	1,734	17,340	10%	0	0	71.8
- Between Cesar Chavez and Ord St.	60	10	40	35	1,768	17,680	10%	0	0	71.3
- Between Cesar Ord St. and Alpine St.	60	10	40	35	1,686	16,860	10%	0	0	71.1
- Between Alpine St. and College St.	60	10	35	35	1,861	18,610	10%	0	0	72.2
- Between College St. and Bernard St.	60	10	35	35	2,141	21,410	10%	0	0	72.8
- Between Bernard St. and Bishop Rd.	60	10	35	35	1,986	19,860	10%	0	0	72.4
- Between Bishop Rd. and Solano Ave.	60	10	35	35	2,378	23,780	10%	0	0	73.2
- Between Solano Ave. and Ave. 18	60	10	35	35	2,042	20,420	10%	0	0	72.6
- Between Ave. 18 and Ave. 19	60	10	35	35	1,719	17,190	10%	0	0	71.8
Spring Street										
- Between Alpine St. and College St.	50	10	35	35	1,956	19,560	10%	0	0	72.4
- Between College St. and Ave. 18	50	10	35	35	1,920	19,200	10%	0	0	72.3
College Street										
- Between Hill St. and Broadway	50	10	35	25	865	8,650	10%	0	0	68.9
- Between Broadway and Spring St.	50	10	35	25	836	8,360	10%	0	0	68.8
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	791	7,910	10%	0	0	68.5
- Between Broadway and Spring St.	40	10	35	25	796	7,960	10%	0	0	68.6
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	324	3,240	10%	0	0	64.7
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	598	5,980	10%	0	0	67.3
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	566	5,660	10%	0	0	67.1
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	309	3,090	10%	0	0	64.4
- Between Broadway and Albion St.	40	10	35	35	402	4,020	10%	0	0	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: Buena Vista Project

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

PHV to
ADT factor
10%

EXISTING + PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	1,791	17,910	10%	0	0	72.0
- Between Cesar Chavez and Ord St.	60	10	40	35	1,866	18,660	10%	0	0	71.6
- Between Cesar Ord St. and Alpine St.	60	10	40	35	1,785	17,850	10%	0	0	71.4
- Between Alpine St. and College St.	60	10	35	35	1,969	19,690	10%	0	0	72.4
- Between College St. and Bernard St.	60	10	35	35	2,313	23,130	10%	0	0	73.1
- Between Bernard St. and Bishop Rd.	60	10	35	35	2,128	21,280	10%	0	0	72.7
- Between Bishop Rd. and Solano Ave.	60	10	35	35	2,504	25,040	10%	0	0	73.4
- Between Solano Ave. and Ave. 18	60	10	35	35	2,108	21,080	10%	0	0	72.7
- Between Ave. 18 and Ave. 19	60	10	35	35	1,781	17,810	10%	0	0	72.0
Spring Street										
- Between College St. and Wilhard St.	50	10	35	35	2,022	20,220	10%	0	0	72.5
- Between Wilhard St. and Ave. 18	50	10	35	35	1,991	19,910	10%	0	0	72.4
College Street										
- Between Hill St. and Broadway	50	10	35	25	914	9,140	10%	0	0	69.2
- Between Broadway and Spring St.	50	10	35	25	859	8,590	10%	0	0	68.9
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	811	8,110	10%	0	0	68.6
- Between Broadway and Spring St.	40	10	35	25	799	7,990	10%	0	0	68.6
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	324	3,240	10%	0	0	64.7
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	610	6,100	10%	0	0	67.4
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	596	5,960	10%	0	0	67.3
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	309	3,090	10%	0	0	64.4
- Between Broadway and Albion St.	40	10	35	35	402	4,020	10%	0	0	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: Buena Vista Project

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

PHV to
ADT factor
10%

FUTURE NO PROJECT CONDITIONS (2034)

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume		PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
					PHV	ADT				
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	2,367	23,670	10%	0	0	73.2
- Between Cesar Chavez and Ord St.	60	10	40	35	2,437	24,370	10%	0	0	72.7
- Between Cesar Ord St. and Alpine St.	60	10	40	35	2,279	22,790	10%	0	0	72.4
- Between Alpine St. and College St.	60	10	35	35	2,468	24,680	10%	0	0	73.4
- Between College St. and Bernard St.	60	10	35	35	2,683	26,830	10%	0	0	73.7
- Between Bernard St. and Bishop Rd.	60	10	35	35	2,480	24,800	10%	0	0	73.4
- Between Bishop Rd. and Solano Ave.	60	10	35	35	2,955	29,550	10%	0	0	74.2
- Between Solano Ave. and Ave. 18	60	10	35	35	2,574	25,740	10%	0	0	73.6
- Between Ave. 18 and Ave. 19	60	10	35	35	2,257	22,570	10%	0	0	73.0
Spring Street										
- Between College St. and Wilhard St.	50	10	35	35	2,689	26,890	10%	0	0	73.8
- Between Wilhard St. and Ave. 18	50	10	35	35	2,645	26,450	10%	0	0	73.7
College Street										
- Between Hill St. and Broadway	50	10	35	25	1,343	13,430	10%	0	0	70.8
- Between Broadway and Spring St.	50	10	35	25	1,336	13,360	10%	0	0	70.8
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	1,030	10,300	10%	0	0	69.7
- Between Broadway and Spring St.	40	10	35	25	989	9,890	10%	0	0	69.5
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	380	3,800	10%	0	0	65.4
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	804	8,040	10%	0	0	68.6
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	706	7,060	10%	0	0	68.0
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	352	3,520	10%	0	0	64.9
- Between Broadway and Albion St.	40	10	35	35	458	4,580	10%	0	0	66.1

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations
Project: Buena Vista Project

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

PHV to
ADT factor
10%

FUTURE PLUS PROJECT CONDITIONS (2034)

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	2,424	24,240	10%	0	0	73.3
- Between Cesar Chavez and Ord St.	60	10	40	35	2,536	25,360	10%	0	0	72.9
- Between Cesar Ord St. and Alpine St.	60	10	40	35	2,377	23,770	10%	0	0	72.6
- Between Alpine St. and College St.	60	10	35	35	2,576	25,760	10%	0	0	73.6
- Between College St. and Bernard St.	60	10	35	35	2,855	28,550	10%	0	0	74.0
- Between Bernard St. and Bishop Rd.	60	10	35	35	2,622	26,220	10%	0	0	73.6
- Between Bishop Rd. and Solano Ave.	60	10	35	35	3,080	30,800	10%	0	0	74.3
- Between Solano Ave. and Ave. 18	60	10	35	35	2,639	26,390	10%	0	0	73.7
- Between Ave. 18 and Ave. 19	60	10	35	35	2,319	23,190	10%	0	0	73.1
Spring Street										
- Between College St. and Wilhard St.	50	10	35	35	2,754	27,540	10%	0	0	73.9
- Between Wilhard St. and Ave. 18	50	10	35	35	2,716	27,160	10%	0	0	73.8
College Street										
- Between Hill St. and Broadway	50	10	35	25	1,392	13,920	10%	0	0	71.0
- Between Broadway and Spring St.	50	10	35	25	1,359	13,590	10%	0	0	70.9
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	1,050	10,500	10%	0	0	69.8
- Between Broadway and Spring St.	40	10	35	25	992	9,920	10%	0	0	69.5
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	380	3,800	10%	0	0	65.4
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	816	8,160	10%	0	0	68.7
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	736	7,360	10%	0	0	68.2
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	352	3,520	10%	0	0	64.9
- Between Broadway and Albion St.	40	10	35	35	458	4,580	10%	0	0	66.1

* Estimated based on Google Earth map.

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

Alternatives Analysis

Noise

Project: Buena Vista

Off-Site Haul/Concrete/Delivery Trucks - ALTERNATIVE TO REDUCE IMPACTS

Phase 1 South Parcel: Broadway and Spring

Phase 2 North Parcel: Broadway

Phase	Maximum Number of Truck One Way Trips (delivery/haul)		Estimated Project Noise Levels (From TNM Outputs), Leq(hr)	
	Per Day	Per Hour (8- hr day)	Broadway	Spring St.
TNM noise level for 1 trucks		1	49.4	48.5
Phase 1				
1. Site Prep	54	9	58.9	58.0
2. Demo	12	2	52.4	51.5
3. Grading	144	24	63.2	62.3
4. Trenching	6	1	49.4	48.5
5. Mat Foundation	426	17	61.7	60.8
6. Building Construction	130	17	61.7	60.8
7. Methane Safety Design	2	1	49.4	48.5
8. Architectural Coating	2	1	49.4	48.5
9. Paving/Landscape	8	1	49.4	48.5
Phase 2				
10. Site Prep	60	10	59.4	--
11. Grading	144	24	63.2	--
12. Well Re-abandonment	6	1	49.4	--
13. Trenching	6	1	49.4	--
14. Mat Foundation	479	35	64.8	--
15. Building Construction	84	11	59.8	--
16. Methane Safety Design	2	1	49.4	--
17. Architectural Coating	2	1	49.4	--
18. Paving/Landscape	4	1	49.4	--
Overlapping Construction				
19. P1 Grading + P1 Trenching	150	25	63.4	62.5
20. P1 Trenching + P1 Foundation	432	18	62.0	61.1
21. P1 Trenching + P1 Building	136	18	62.0	61.1
22. P1 Building + P1 Arch. Coating	132	18	62.0	61.1
23. P1 Building + P1 Arch. Coating + P1 Paving	140	19	62.2	61.3
24. P2 Grading + P2 Well Re-abandonment	150	25	63.4	--
25. P2 Trenching + P2 Foundation	485	36	65.0	--
26. P2 Trenching + P2 Building	90	12	60.2	--
27. P2 Building + P2 Arch. Coating	86	12	60.2	--
28. P2 Building + P2 Arch. Coating + P2 Paving	90	13	60.5	--
** 6-hours for haul trucks (grading)		Ambient, dBA	68.7	63.3
* 8-hours for concrete/delivery trucks		Significance Criteria, dBA	73.7	68.3

Estimated Noise Levels - Project +
Ambient, Leq(hr)

	Broadway	Spring St.
Phase 1		
1. Site Prep	69.1	64.4
2. Demo	68.8	63.6
3. Grading	69.8	65.8
4. Trenching	68.8	63.4
5. Mat Foundation	69.5	65.2
6. Building Construction	69.5	65.2
7. Methane Safety Design	68.8	63.4
8. Architectural Coating	68.8	63.4
9. Paving/Landscape	68.8	63.4
Phase 2		
10. Site Prep	69.2	--
11. Grading	69.8	--
12. Well Re-abandonment	68.8	--
13. Trenching	68.8	--
14. Mat Foundation	70.2	--
15. Building Construction	69.2	--
16. Methane Safety Design	68.8	--
17. Architectural Coating	68.8	--
18. Paving/Landscape	68.8	--
Overlapping Construction		
19. P1 Grading + P1 Trenching	69.8	65.9
20. P1 Trenching + P1 Foundation	69.5	65.3
21. P1 Trenching + P1 Building	69.5	65.3
22. P1 Building + P1 Arch. Coating	69.5	65.3
23. P1 Building + P1 Arch. Coating + P1 Paving	69.6	65.4
24. P2 Grading + P2 Well Re-abandonment	69.8	--
25. P2 Trenching + P2 Foundation	70.2	--
26. P2 Trenching + P2 Building	69.3	--
27. P2 Building + P2 Arch. Coating	69.3	--
28. P2 Building + P2 Arch. Coating + P2 Paving	69.3	--

	Estimated Noise Increase, Leq(hr)	
	Broadway	Spring St.
Phase 1		
1. Site Prep	0.4	1.1
2. Demo	0.1	0.3
3. Grading	1.1	2.5
4. Trenching	0.1	0.1
5. Mat Foundation	0.8	1.9
6. Building Construction	0.8	1.9
7. Methane Safety Design	0.1	0.1
8. Architectural Coating	0.1	0.1
9. Paving/Landscape	0.1	0.1
Phase 2		
10. Site Prep	0.5	--
11. Grading	1.1	--
12. Well Re-abandonment	0.1	--
13. Trenching	0.1	--
14. Mat Foundation	1.5	--
15. Building Construction	0.5	--
16. Methane Safety Design	0.1	--
17. Architectural Coating	0.1	--
18. Paving/Landscape	0.1	--
Overlapping Construction		
19. P1 Grading + P1 Trenching	1.1	2.6
20. P1 Trenching + P1 Foundation	0.8	2.0
21. P1 Trenching + P1 Building	0.8	2.0
22. P1 Building + P1 Arch. Coating	0.8	2.0
23. P1 Building + P1 Arch. Coating + P1 Paving	0.9	2.1
24. P2 Grading + P2 Well Re-abandonment	1.1	--
25. P2 Trenching + P2 Foundation	1.5	--
26. P2 Trenching + P2 Building	0.6	--
27. P2 Building + P2 Arch. Coating	0.6	--
28. P2 Building + P2 Arch. Coating + P2 Paving	0.6	--
Maximum Noise Increase	1.5	2.6

Nighttime Construction

Nighttime Ambient, dBA	61.6	57.6
Significance Criteria, dBA	66.6	62.6

		ted Noise Levels - Project + Ambient, l	
		Broadway	Spring St.
Phase 1 Mat Foundation	426	17	64.7
Phase 2 Mat Foundation	479	35	66.5

		Estimated Noise Increase, Leq(hr)	
		Broadway	Spring St.
Phase 1 Mat Foundation		3.1	4.9
Phase 2 Mat Foundation		4.9	--
	Maximum Noise Increase	5.0	4.9

Off-Site Traffic Noise Calculations

Project: Buena Vista Project - ALTERNATIVE 2

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

PHV to
ADT factor
10%

EXISTING + PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	1,743	17,430	10%	0	0	71.9
- Between Cesar Chavez and Ord St.	60	10	40	35	1,777	17,770	10%	0	0	71.4
- Between Cesar Ord St. and Alpine St.	60	10	40	35	1,696	16,960	10%	0	0	71.1
- Between Alpine St. and College St.	60	10	35	35	1,875	18,750	10%	0	0	72.2
- Between College St. and Bernard St.	60	10	35	35	2,151	21,510	10%	0	0	72.8
- Between Bernard St. and Bishop Rd.	60	10	35	35	1,997	19,970	10%	0	0	72.5
- Between Bishop Rd. and Solano Ave.	60	10	35	35	2,389	23,890	10%	0	0	73.2
- Between Solano Ave. and Ave. 18	60	10	35	35	2,050	20,500	10%	0	0	72.6
- Between Ave. 18 and Ave. 19	60	10	35	35	1,728	17,280	10%	0	0	71.8
Spring Street										
- Between College St. and Wilhard St.	50	10	35	35	1,963	19,630	10%	0	0	72.4
- Between Wilhard St. and Ave. 18	50	10	35	35	1,934	19,340	10%	0	0	72.3
College Street										
- Between Hill St. and Broadway	50	10	35	25	871	8,710	10%	0	0	69.0
- Between Broadway and Spring St.	50	10	35	25	845	8,450	10%	0	0	68.8
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	791	7,910	10%	0	0	68.5
- Between Broadway and Spring St.	40	10	35	25	800	8,000	10%	0	0	68.6
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	324	3,240	10%	0	0	64.7
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	598	5,980	10%	0	0	67.3
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	568	5,680	10%	0	0	67.1
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	309	3,090	10%	0	0	64.4
- Between Broadway and Albion St.	40	10	35	35	402	4,020	10%	0	0	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: Buena Vista Project - ALTERNATIVE 2

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

PHV to
ADT factor
10%

FUTURE PLUS PROJECT CONDITIONS (2034)

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	2,376	23,760	10%	0	0	73.2
- Between Cesar Chavez and Ord St.	60	10	40	35	2,447	24,470	10%	0	0	72.7
- Between Cesar Ord St. and Alpine St.	60	10	40	35	2,288	22,880	10%	0	0	72.5
- Between Alpine St. and College St.	60	10	35	35	2,482	24,820	10%	0	0	73.4
- Between College St. and Bernard St.	60	10	35	35	2,694	26,940	10%	0	0	73.8
- Between Bernard St. and Bishop Rd.	60	10	35	35	2,491	24,910	10%	0	0	73.4
- Between Bishop Rd. and Solano Ave.	60	10	35	35	2,966	29,660	10%	0	0	74.2
- Between Solano Ave. and Ave. 18	60	10	35	35	2,582	25,820	10%	0	0	73.6
- Between Ave. 18 and Ave. 19	60	10	35	35	2,266	22,660	10%	0	0	73.0
Spring Street										
- Between College St. and Wilhard St.	50	10	35	35	2,695	26,950	10%	0	0	73.8
- Between Wilhard St. and Ave. 18	50	10	35	35	2,659	26,590	10%	0	0	73.7
College Street										
- Between Hill St. and Broadway	50	10	35	25	1,349	13,490	10%	0	0	70.9
- Between Broadway and Spring St.	50	10	35	25	1,345	13,450	10%	0	0	70.8
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	1,030	10,300	10%	0	0	69.7
- Between Broadway and Spring St.	40	10	35	25	993	9,930	10%	0	0	69.5
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	380	3,800	10%	0	0	65.4
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	804	8,040	10%	0	0	68.6
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	708	7,080	10%	0	0	68.1
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	352	3,520	10%	0	0	64.9
- Between Broadway and Albion St.	40	10	35	35	458	4,580	10%	0	0	66.1

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: Buena Vista Project - ALTERNATIVE 3

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

PHV to
ADT factor
10%

EXISTING + PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	1,778	17,780	10%	0	0	72.0
- Between Cesar Chavez and Ord St.	60	10	40	35	1,845	18,450	10%	0	0	71.5
- Between Cesar Ord St. and Alpine St.	60	10	40	35	1,764	17,640	10%	0	0	71.3
- Between Alpine St. and College St.	60	10	35	35	1,946	19,460	10%	0	0	72.3
- Between College St. and Bernard St.	60	10	35	35	2,277	22,770	10%	0	0	73.0
- Between Bernard St. and Bishop Rd.	60	10	35	35	2,098	20,980	10%	0	0	72.7
- Between Bishop Rd. and Solano Ave.	60	10	35	35	2,475	24,750	10%	0	0	73.4
- Between Solano Ave. and Ave. 18	60	10	35	35	2,094	20,940	10%	0	0	72.7
- Between Ave. 18 and Ave. 19	60	10	35	35	1,769	17,690	10%	0	0	71.9
Spring Street										
- Between College St. and Wilhard St.	50	10	35	35	2,009	20,090	10%	0	0	72.5
- Between Wilhard St. and Ave. 18	50	10	35	35	1,977	19,770	10%	0	0	72.4
College Street										
- Between Hill St. and Broadway	50	10	35	25	904	9,040	10%	0	0	69.1
- Between Broadway and Spring St.	50	10	35	25	854	8,540	10%	0	0	68.9
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	807	8,070	10%	0	0	68.6
- Between Broadway and Spring St.	40	10	35	25	798	7,980	10%	0	0	68.6
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	324	3,240	10%	0	0	64.7
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	607	6,070	10%	0	0	67.4
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	589	5,890	10%	0	0	67.3
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	309	3,090	10%	0	0	64.4
- Between Broadway and Albion St.	40	10	35	35	402	4,020	10%	0	0	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: Buena Vista Project - ALTERNATIVE 3

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

PHV to
ADT factor
10%

FUTURE PLUS PROJECT CONDITIONS (2034)

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	2,411	24,110	10%	0	0	73.3
- Between Cesar Chavez and Ord St.	60	10	40	35	2,514	25,140	10%	0	0	72.9
- Between Cesar Ord St. and Alpine St.	60	10	40	35	2,356	23,560	10%	0	0	72.6
- Between Alpine St. and College St.	60	10	35	35	2,553	25,530	10%	0	0	73.5
- Between College St. and Bernard St.	60	10	35	35	2,819	28,190	10%	0	0	74.0
- Between Bernard St. and Bishop Rd.	60	10	35	35	2,592	25,920	10%	0	0	73.6
- Between Bishop Rd. and Solano Ave.	60	10	35	35	3,051	30,510	10%	0	0	74.3
- Between Solano Ave. and Ave. 18	60	10	35	35	2,626	26,260	10%	0	0	73.6
- Between Ave. 18 and Ave. 19	60	10	35	35	2,307	23,070	10%	0	0	73.1
Spring Street										
- Between College St. and Wilhard St.	50	10	35	35	2,741	27,410	10%	0	0	73.8
- Between Wilhard St. and Ave. 18	50	10	35	35	2,702	27,020	10%	0	0	73.8
College Street										
- Between Hill St. and Broadway	50	10	35	25	1,382	13,820	10%	0	0	71.0
- Between Broadway and Spring St.	50	10	35	25	1,354	13,540	10%	0	0	70.9
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	1,045	10,450	10%	0	0	69.7
- Between Broadway and Spring St.	40	10	35	25	991	9,910	10%	0	0	69.5
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	380	3,800	10%	0	0	65.4
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	813	8,130	10%	0	0	68.7
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	729	7,290	10%	0	0	68.2
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	352	3,520	10%	0	0	64.9
- Between Broadway and Albion St.	40	10	35	35	458	4,580	10%	0	0	66.1

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: Buena Vista Project - ALTERNATIVE 4

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

PHV to
ADT factor
10%

EXISTING + PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume		PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
					PHV	ADT				
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	1,775	17,750	10%	0	0	71.9
- Between Cesar Chavez and Ord St.	60	10	40	35	1,839	18,390	10%	0	0	71.5
- Between Cesar Ord St. and Alpine St.	60	10	40	35	1,757	17,570	10%	0	0	71.3
- Between Alpine St. and College St.	60	10	35	35	1,939	19,390	10%	0	0	72.3
- Between College St. and Bernard St.	60	10	35	35	2,264	22,640	10%	0	0	73.0
- Between Bernard St. and Bishop Rd.	60	10	35	35	2,088	20,880	10%	0	0	72.7
- Between Bishop Rd. and Solano Ave.	60	10	35	35	2,467	24,670	10%	0	0	73.4
- Between Solano Ave. and Ave. 18	60	10	35	35	2,089	20,890	10%	0	0	72.7
- Between Ave. 18 and Ave. 19	60	10	35	35	1,763	17,630	10%	0	0	71.9
Spring Street										
- Between College St. and Wilhard St.	50	10	35	35	2,003	20,030	10%	0	0	72.5
- Between Wilhard St. and Ave. 18	50	10	35	35	1,972	19,720	10%	0	0	72.4
College Street										
- Between Hill St. and Broadway	50	10	35	25	900	9,000	10%	0	0	69.1
- Between Broadway and Spring St.	50	10	35	25	853	8,530	10%	0	0	68.9
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	805	8,050	10%	0	0	68.6
- Between Broadway and Spring St.	40	10	35	25	798	7,980	10%	0	0	68.6
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	324	3,240	10%	0	0	64.7
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	606	6,060	10%	0	0	67.4
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	588	5,880	10%	0	0	67.2
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	309	3,090	10%	0	0	64.4
- Between Broadway and Albion St.	40	10	35	35	402	4,020	10%	0	0	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: Buena Vista Project - ALTERNATIVE 4

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

PHV to
ADT factor
10%

FUTURE PLUS PROJECT CONDITIONS (2034)

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	2,408	24,080	10%	0	0	73.3
- Between Cesar Chavez and Ord St.	60	10	40	35	2,508	25,080	10%	0	0	72.8
- Between Cesar Ord St. and Alpine St.	60	10	40	35	2,350	23,500	10%	0	0	72.6
- Between Alpine St. and College St.	60	10	35	35	2,545	25,450	10%	0	0	73.5
- Between College St. and Bernard St.	60	10	35	35	2,806	28,060	10%	0	0	73.9
- Between Bernard St. and Bishop Rd.	60	10	35	35	2,582	25,820	10%	0	0	73.6
- Between Bishop Rd. and Solano Ave.	60	10	35	35	3,044	30,440	10%	0	0	74.3
- Between Solano Ave. and Ave. 18	60	10	35	35	2,621	26,210	10%	0	0	73.6
- Between Ave. 18 and Ave. 19	60	10	35	35	2,301	23,010	10%	0	0	73.1
Spring Street										
- Between College St. and Wilhard St.	50	10	35	35	2,736	27,360	10%	0	0	73.8
- Between Wilhard St. and Ave. 18	50	10	35	35	2,697	26,970	10%	0	0	73.8
College Street										
- Between Hill St. and Broadway	50	10	35	25	1,378	13,780	10%	0	0	70.9
- Between Broadway and Spring St.	50	10	35	25	1,353	13,530	10%	0	0	70.9
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	1,044	10,440	10%	0	0	69.7
- Between Broadway and Spring St.	40	10	35	25	991	9,910	10%	0	0	69.5
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	380	3,800	10%	0	0	65.4
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	812	8,120	10%	0	0	68.7
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	727	7,270	10%	0	0	68.2
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	352	3,520	10%	0	0	64.9
- Between Broadway and Albion St.	40	10	35	35	458	4,580	10%	0	0	66.1

* Estimated based on Google Earth map.

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

Off-Site Traffic Noise Calculations

Project: Buena Vista Project - ALTERNATIVE 5

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

PHV to
ADT factor
10%

EXISTING + PROJECT CONDITIONS

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	1,798	17,980	10%	0	0	72.0
- Between Cesar Chavez and Ord St.	60	10	40	35	1,878	18,780	10%	0	0	71.6
- Between Cesar Ord St. and Alpine St.	60	10	40	35	1,797	17,970	10%	0	0	71.4
- Between Alpine St. and College St.	60	10	35	35	1,982	19,820	10%	0	0	72.4
- Between College St. and Bernard St.	60	10	35	35	2,332	23,320	10%	0	0	73.1
- Between Bernard St. and Bishop Rd.	60	10	35	35	2,142	21,420	10%	0	0	72.8
- Between Bishop Rd. and Solano Ave.	60	10	35	35	2,510	25,100	10%	0	0	73.5
- Between Solano Ave. and Ave. 18	60	10	35	35	2,113	21,130	10%	0	0	72.7
- Between Ave. 18 and Ave. 19	60	10	35	35	1,788	17,880	10%	0	0	72.0
Spring Street										
- Between College St. and Wilhard St.	50	10	35	35	2,031	20,310	10%	0	0	72.5
- Between Wilhard St. and Ave. 18	50	10	35	35	2,003	20,030	10%	0	0	72.5
College Street										
- Between Hill St. and Broadway	50	10	35	25	919	9,190	10%	0	0	69.2
- Between Broadway and Spring St.	50	10	35	25	861	8,610	10%	0	0	68.9
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	813	8,130	10%	0	0	68.7
- Between Broadway and Spring St.	40	10	35	25	799	7,990	10%	0	0	68.6
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	324	3,240	10%	0	0	64.7
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	610	6,100	10%	0	0	67.4
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	598	5,980	10%	0	0	67.3
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	309	3,090	10%	0	0	64.4
- Between Broadway and Albion St.	40	10	35	35	402	4,020	10%	0	0	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: Buena Vista Project - ALTERNATIVE 5

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

PHV to
ADT factor
10%

FUTURE PLUS PROJECT CONDITIONS (2034)

Roadway Segment	Roadway Width*, ft	Distance to Edge of Roadway, ft	Distance to Centerline, feet	Speed mph	Traffic Volume PHV	Traffic Volume ADT	PHV to ADT factor	Barrier Atten.	Site Adjust., dBA	24-Hour CNEL
Broadway										
- Between Arcadia St. and Cesar Chavez	50	10	35	35	2,431	24,310	10%	0	0	73.3
- Between Cesar Chavez and Ord St.	60	10	40	35	2,548	25,480	10%	0	0	72.9
- Between Cesar Ord St. and Alpine St.	60	10	40	35	2,389	23,890	10%	0	0	72.6
- Between Alpine St. and College St.	60	10	35	35	2,589	25,890	10%	0	0	73.6
- Between College St. and Bernard St.	60	10	35	35	2,874	28,740	10%	0	0	74.0
- Between Bernard St. and Bishop Rd.	60	10	35	35	2,636	26,360	10%	0	0	73.7
- Between Bishop Rd. and Solano Ave.	60	10	35	35	3,087	30,870	10%	0	0	74.4
- Between Solano Ave. and Ave. 18	60	10	35	35	2,645	26,450	10%	0	0	73.7
- Between Ave. 18 and Ave. 19	60	10	35	35	2,326	23,260	10%	0	0	73.1
Spring Street										
- Between College St. and Wilhard St.	50	10	35	35	2,754	27,540	10%	0	0	73.9
- Between Wilhard St. and Ave. 18	50	10	35	35	2,722	27,220	10%	0	0	73.8
College Street										
- Between Hill St. and Broadway	50	10	35	25	1,397	13,970	10%	0	0	71.0
- Between Broadway and Spring St.	50	10	35	25	1,361	13,610	10%	0	0	70.9
Alpine Street										
- Between Hill St. and Broadway	40	10	35	25	1,051	10,510	10%	0	0	69.8
- Between Broadway and Spring St.	40	10	35	25	992	9,920	10%	0	0	69.5
Bernard Street										
- Between Hill St. and Broadway	40	10	35	25	380	3,800	10%	0	0	65.4
Bishop Road										
- Between Stadium Wy. and Broadway	40	10	35	25	816	8,160	10%	0	0	68.7
Solano Avenue										
- Between Amador St. and Broadway	40	10	35	25	738	7,380	10%	0	0	68.2
Avenue 18										
- Between Pasadena Ave. and Broadway	40	10	35	35	352	3,520	10%	0	0	64.9
- Between Broadway and Albion St.	40	10	35	35	458	4,580	10%	0	0	66.1

* Estimated based on Google Earth map.

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

Project Composite Noise Calculations (CNEL)

Project: Buena Vista Project - ALTERNATIVE 5

Receptor	Ambient	Traffic ^a	Mechanical	Outdoor	Parking	Loading & Trash Compactor	Project Composite	Ambient + Project	Increase
R1	61.7	48.6	43.2	57.1	23.6	40.9	57.9	63.2	1.5
R1U	61.7	48.6	45.3	59.2	26.2	42.3	59.8	63.9	2.2
R2	64.2	60.8	42.1	42.3	33.4	15.0	60.9	65.9	1.7
R2U	64.2	57.4	42.5	46.4	38.0	14.6	57.9	65.1	0.9
R3	64.9	60.8	49.3	49.6	30.4	17.1	61.4	66.5	1.6
R4	58.7	45.7	42.0	58.3	30.8	36.2	58.6	61.7	3.0
R5	60.2	51.2	47.8	47.5	22.3	14.8	54.0	61.1	0.9
R6	65.9	60.3	50.4	56.5	28.8	17.6	62.1	67.4	1.5
R7	64.1	58.9	39.2	50.4	19.7	27.6	59.5	65.4	1.3
R8	72.8	59.9	48.5	50.1	37.8	36.1	60.7	73.1	0.3
R9	62.8	47.2	48.2	53.6	38.2	29.2	55.5	63.5	0.7
R10	68.8	56.3	46.9	66.6	50.7	57.7	67.6	71.2	2.4
R11	65.5	56.3	43.0	58.0	39.6	31.2	60.3	66.7	1.2
R11U	65.5	52.3	46.4	62.6	36.0	26.9	63.1	67.5	2.0
R12	60.9	45.1	45.5	51.0	31.1	25.8	52.9	61.5	0.6
R13	58.6	44.5	43.3	50.0	22.4	26.8	51.8	59.4	0.8
R14	67.5	55.9	39.1	34.6	21.1	6.3	56.0	67.8	0.3
R15	62.8	46.6	49.6	49.7	38.8	26.3	53.8	63.3	0.5
R16	62.8	50.7	43.8	51.8	37.1	30.1	54.8	63.4	0.6

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

Receptor	Roadway Segment	Traffic Noise Levels, CNEL			distance to roadway, ft	Existing	Existing + Project	barrier	distance to Center Line	adj. for distance
		Existing	Existing + Project	Project Only						
R1	Spring St.	64.9	65.0	48.6	180	72.6	72.7	0	35	-7.7
R1U	Spring St.	64.9	65.0	48.6	180	72.6	72.7	0	35	-7.7
R2	Broadway	72.2	72.5	60.8	15	72.8	73.1	0	35	-0.6
R2U	Broadway	68.9	69.2	57.4	62	72.8	73.1	0	35	-3.9
R3	Broadway	72.2	72.5	60.8	15	72.8	73.1	0	35	-0.6
R4	Spring St.	62.1	62.2	45.7	370	72.6	72.7	0	35	-10.5
R5	Broadway	61.4	61.8	51.2	115	72.4	72.8	-5	35	-6.0
R6	Broadway	70.4	70.8	60.3	30	72.4	72.8	0	35	-2.0
R7	Broadway	69.1	69.5	58.9	50	72.4	72.8	0	35	-3.3
R8	Broadway	73.2	73.4	59.9	10	73.2	73.4	0	35	0.0
R9	Broadway	60.4	60.6	47.2	185	73.2	73.4	-5	35	-7.8
R10	Broadway	72.6	72.7	56.3	10	72.6	72.7	0	35	0.0
R11	Spring St.	72.6	72.7	56.3	10	72.6	72.7	0	35	0.0
R11U	Spring St.	68.7	68.8	52.3	62	72.6	72.7	0	35	-3.9
R12	Spring St.	61.5	61.6	45.1	430	72.6	72.7	0	35	-11.1
R13	Spring St.	60.8	60.9	44.5	500	72.6	72.7	0	35	-11.8
R14	College St.	67.4	67.7	55.9	25	68.9	69.2	0	35	-1.5
R15	Broadway	62.9	63.0	46.6	300	72.6	72.7	0	35	-9.7
R16	Broadway	67.1	67.2	50.7	100	72.6	72.7	0	35	-5.5

FOR REPORT

Receptor	Ambient	Traffic ^a	Mechanical	Outdoor	Parking	Loading & Trash Compactor	Project Composite	Ambient + Project	Increase
R1	61.7	48.6	45.3	59.2	26.2	42.3	59.8	63.9	2.2
R2	64.2	60.8	42.1	42.3	33.4	15.0	60.9	65.9	1.7
R3	64.9	60.8	49.3	49.6	30.4	17.1	61.4	66.5	1.6
R4	58.7	45.7	42.0	58.3	30.8	36.2	58.6	61.7	3.0
R5	60.2	51.2	47.8	47.5	22.3	14.8	54.0	61.1	0.9
R6	65.9	60.3	50.4	56.5	28.8	17.6	62.1	67.4	1.5
R7	64.1	58.9	39.2	50.4	19.7	27.6	59.5	65.4	1.3
R8	72.8	59.9	48.5	50.1	37.8	36.1	60.7	73.1	0.3
R9	62.8	47.2	48.2	53.6	38.2	29.2	55.5	63.5	0.7
R10	68.8	56.3	46.9	66.6	50.7	57.7	67.6	71.2	2.4
R11	65.5	56.3	43.0	58.0	39.6	31.2	60.3	66.7	1.2
R12	60.9	45.1	45.5	51.0	31.1	25.8	52.9	61.5	0.6
R13	58.6	44.5	43.3	50.0	22.4	26.8	51.8	59.4	0.8
R14	67.5	55.9	39.1	34.6	21.1	6.3	56.0	67.8	0.3
R15	62.8	46.6	49.6	49.7	38.8	26.3	53.8	63.3	0.5
R16	62.8	50.7	43.8	51.8	37.1	30.1	54.8	63.4	0.6